

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004097.D
 Acq On : 16 Aug 2018 03:07
 Operator : JC/MD
 Sample : J4495-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5TB02-180814

Quant Time: Aug 16 07:18:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	400095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203932	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	191618	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	
35) Dibromofluoromethane	5.51	113	156222	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	8.72	98	569346	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	11.14	95	193049	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	

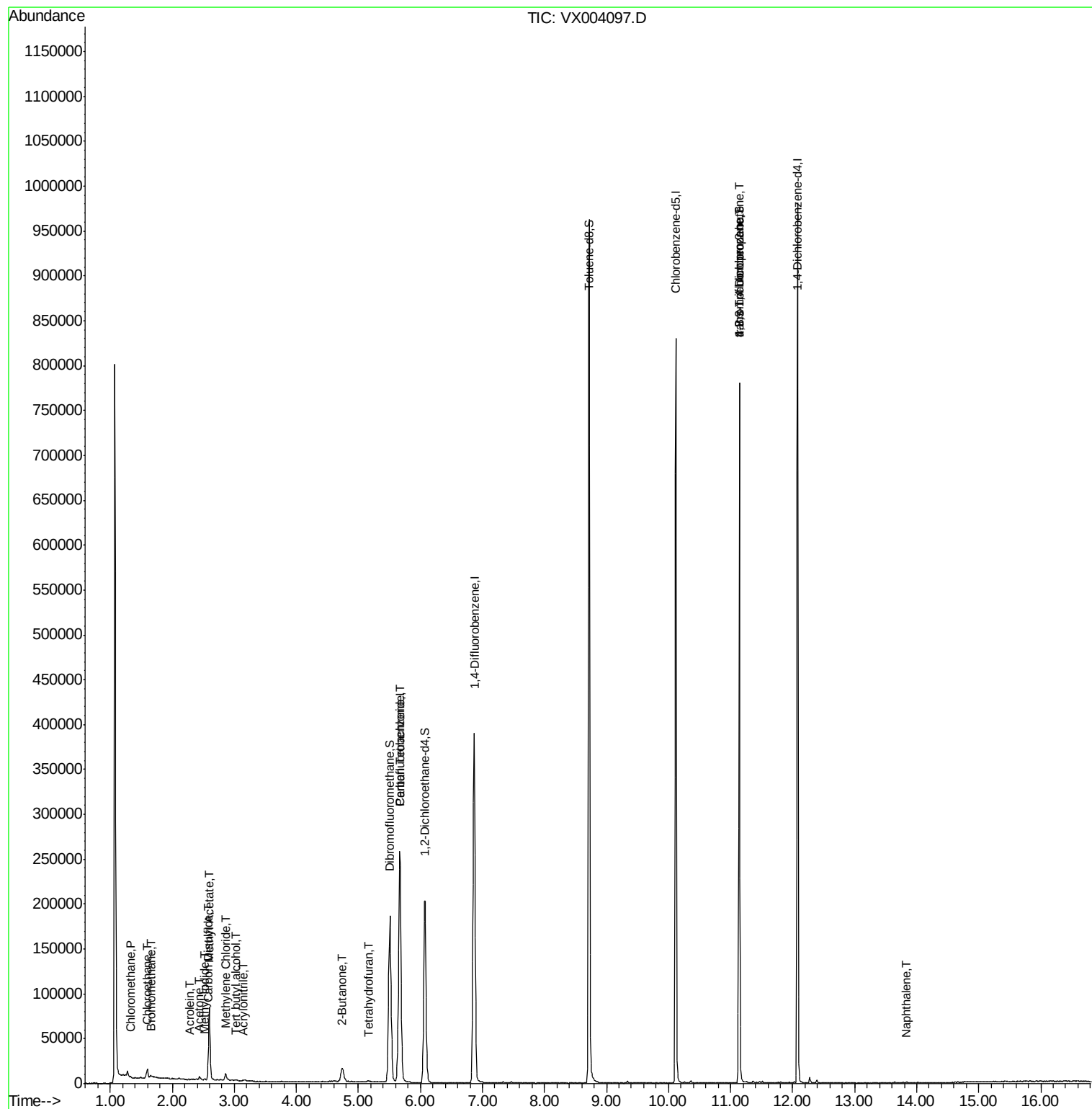
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	708	0.23	ug/l	97
5) Bromomethane	1.65	94	1268	0.59	ug/l	91
6) Chloroethane	1.60	64	5595	0.86	ug/l #	65
10) Methyl Iodide	2.52	142	1105	5.34	ug/l	95
11) Tert butyl alcohol	3.03	59	912	1.27	ug/l #	73
13) Acrolein	2.29	56	109	11.16	ug/l #	1
15) Acrylonitrile	3.15	53	391	0.22	ug/l #	84
16) Acetone	2.43	43	3969	2.15	ug/l	99
17) Carbon Disulfide	2.57	76	1641	0.22	ug/l	97
18) Methyl Acetate	2.59	43	22530	5.49	ug/l #	52
20) Methylene Chloride	2.86	84	3802	0.66	ug/l	93
25) 2-Butanone	4.72	43	1209	0.40	ug/l #	48
29) Tetrahydrofuran	5.15	42	1159	0.75	ug/l #	73
38) Carbon Tetrachloride	5.67	117	22872	5.17	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	93772	22.93	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	93772	70.98	ug/l #	10
95) Naphthalene	13.84	128	792	1.20	ug/l #	90

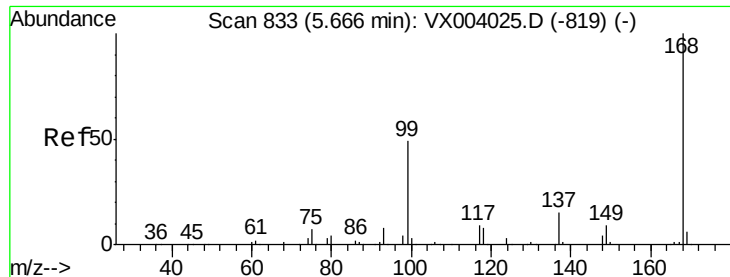
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\
Data File : VX004097.D
Acq On : 16 Aug 2018 03:07
Operator : JC/MD
Sample : J4495-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z5TB02-180814

Quant Time: Aug 16 07:18:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

Instrument :

MSVOA_X

ClientSampleId :

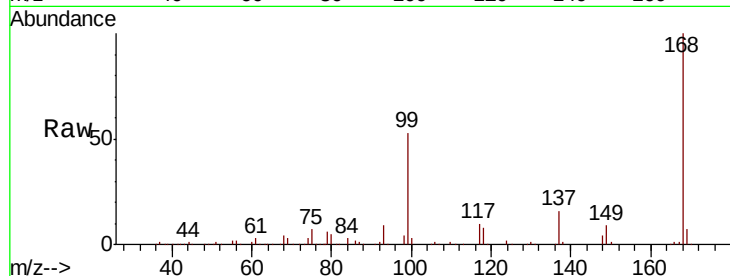
Z5TB02-180814

Tot Ion:168 Resp: 252319

Ion Ratio Lower Upper

168 100

99 53.0 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

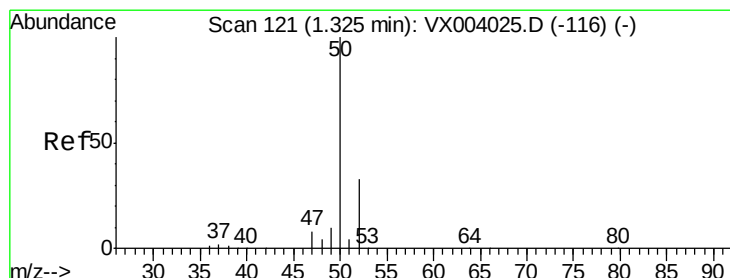
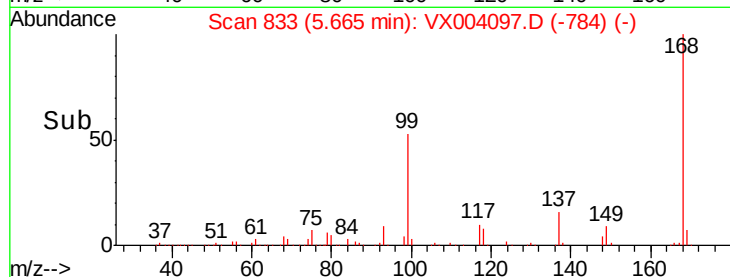
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004097.D

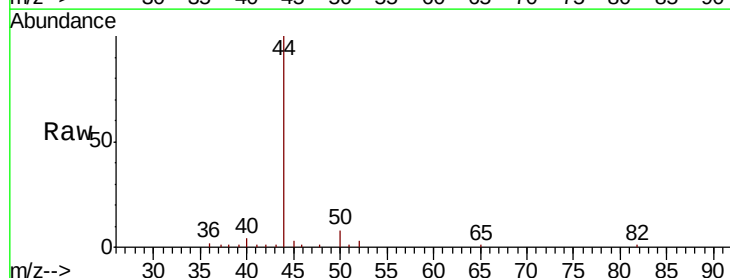
Acq: 16 Aug 2018 03:07

Tgt Ion: 50 Resp: 708

Ion Ratio Lower Upper

50 100

52 31.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

600

500

400

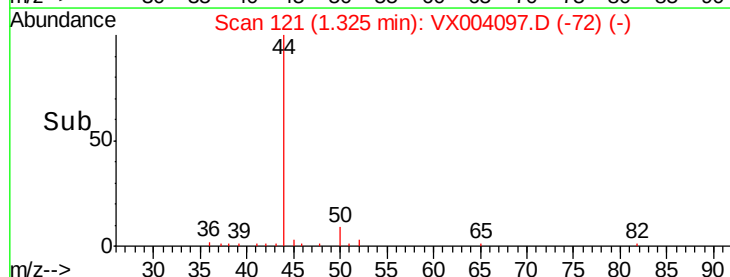
300

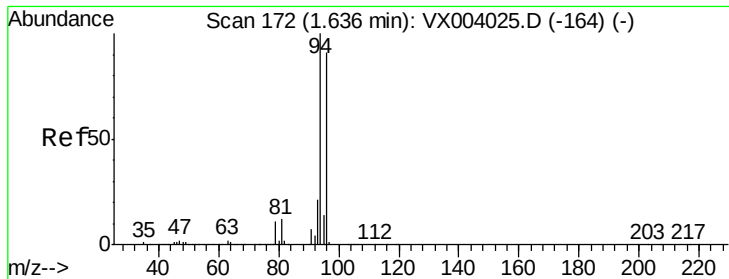
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.59 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

Instrument :

MSVOA_X

ClientSampleId :

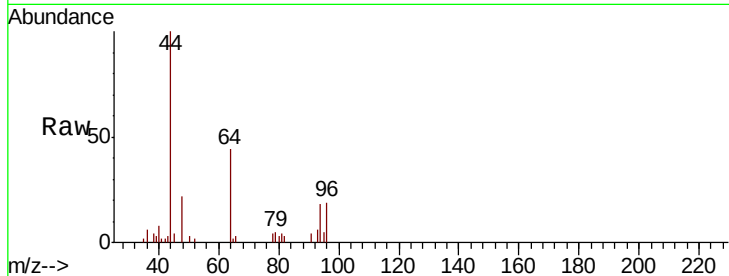
Z5TB02-180814

Tot Ion: 94 Resp: 1268

Ion Ratio Lower Upper

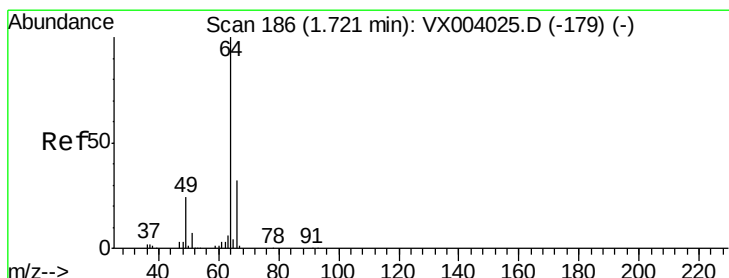
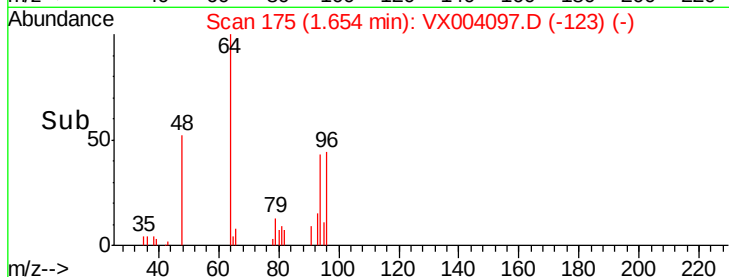
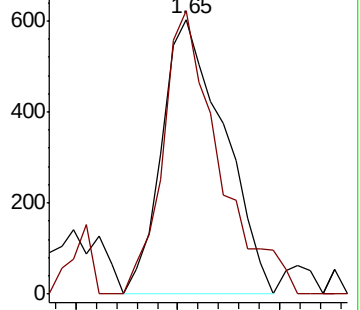
94 100

96 103.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.86 ug/l

RT: 1.60 min Scan# 166

Delta R.T. -0.12 min

Lab File: VX004097.D

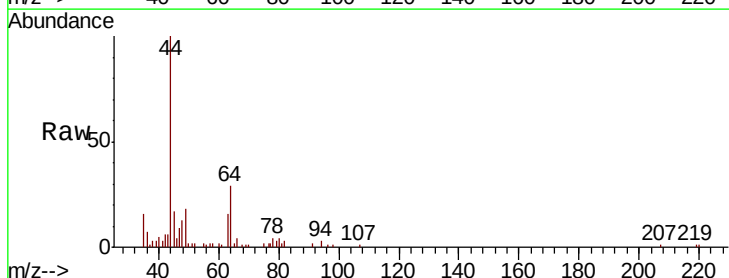
Acq: 16 Aug 2018 03:07

Tgt Ion: 64 Resp: 5595

Ion Ratio Lower Upper

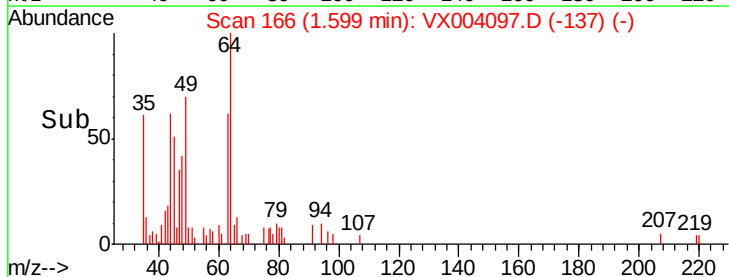
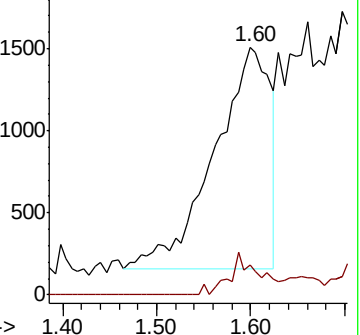
64 100

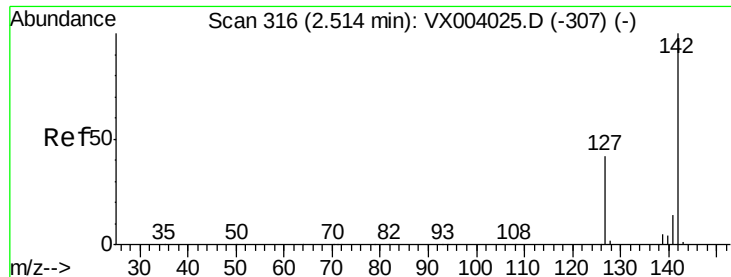
66 13.4 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

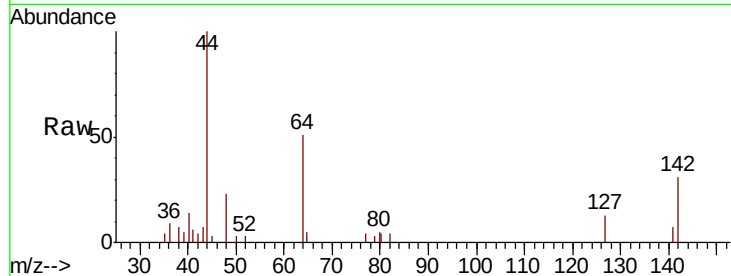




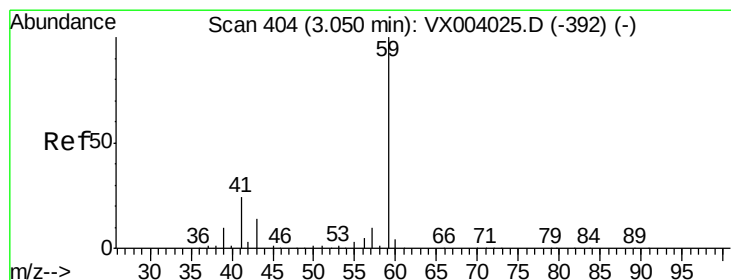
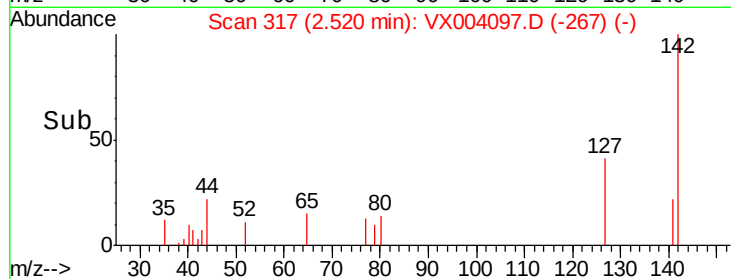
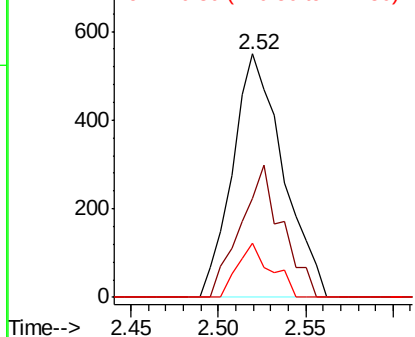
#10
Methvl Iodide
Concen: 5.34 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

Instrument :
MSVOA_X
ClientSampleId :
Z5TB02-180814

Tot Ion:142 Resp: 1105
Ion Ratio Lower Upper
142 100
127 44.7 33.1 49.7
141 14.9 11.1 16.7

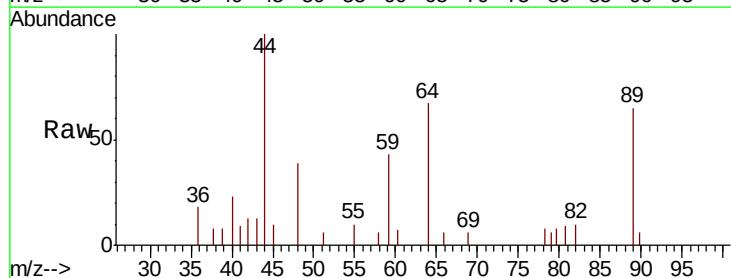


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

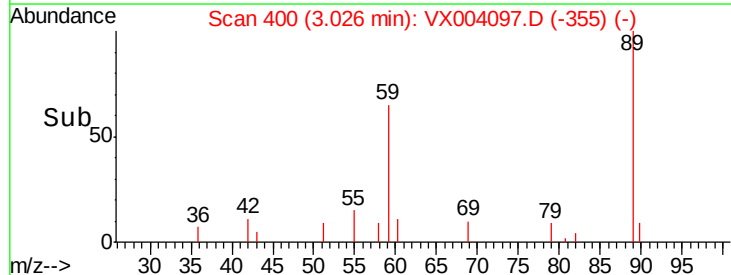
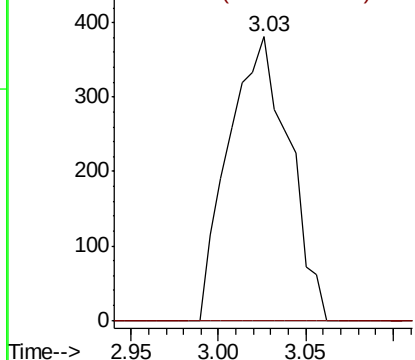


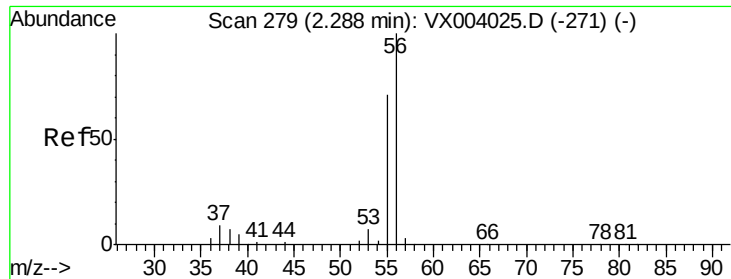
#11
Tert butyl alcohol
Concen: 1.27 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.02 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

Tgt Ion: 59 Resp: 912
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.16 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

Instrument :

MSVOA_X

ClientSampleId :

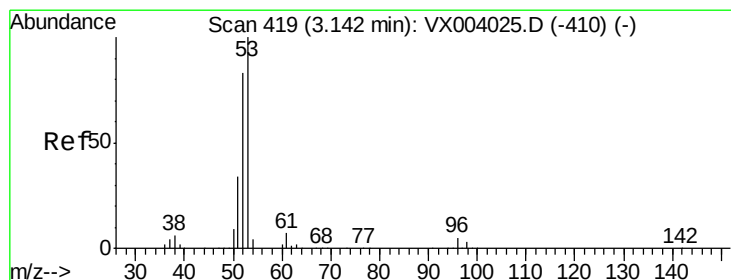
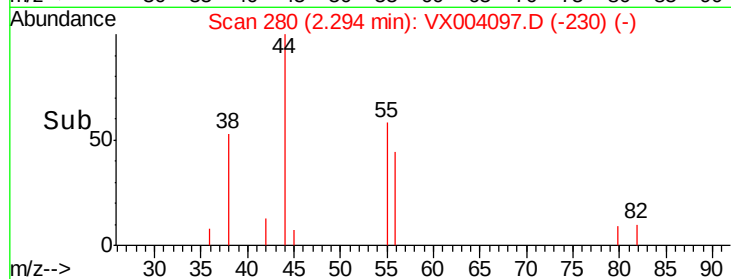
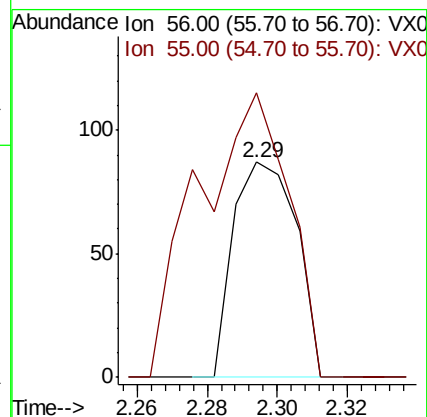
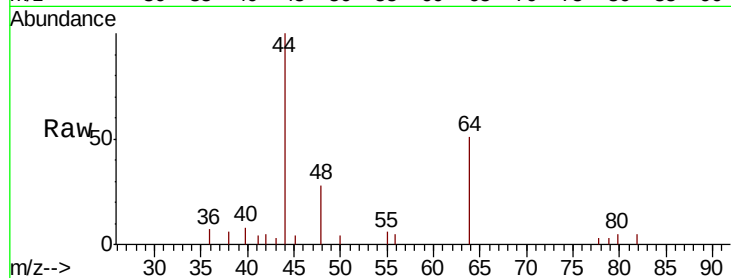
Z5TB02-180814

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 189.9 56.1 84.1#



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

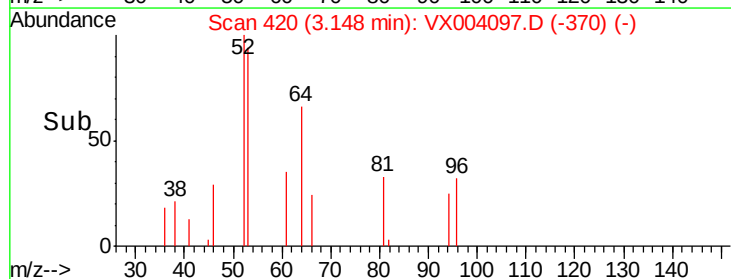
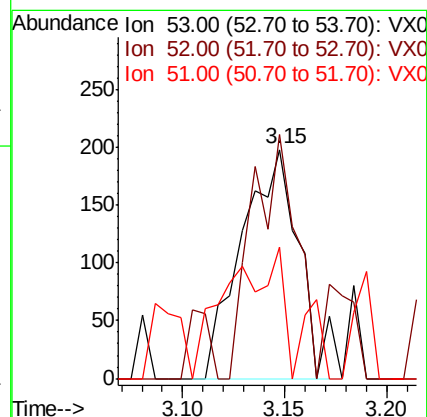
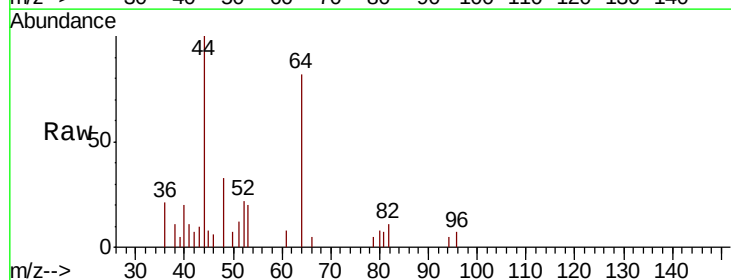
Tgt Ion: 53 Resp: 391

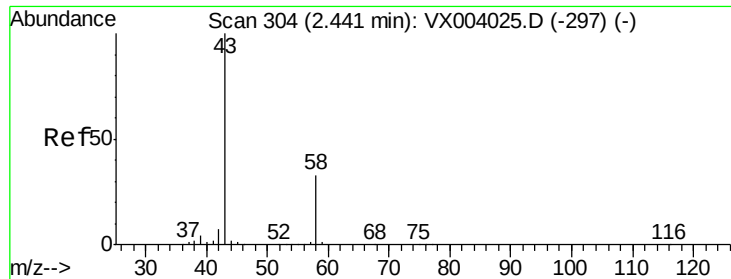
Ion Ratio Lower Upper

53 100

52 80.6 65.3 97.9

51 65.2 27.9 41.9#





#16

Acetone

Concen: 2.15 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

Instrument :

MSVOA_X

ClientSampleId :

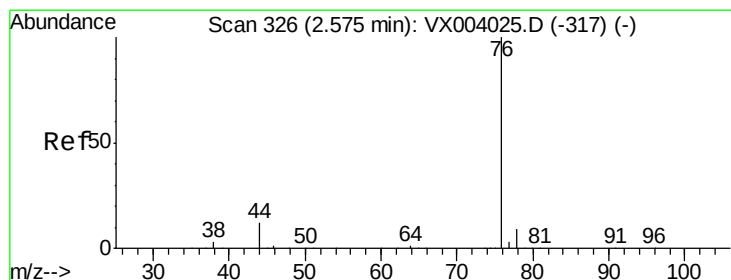
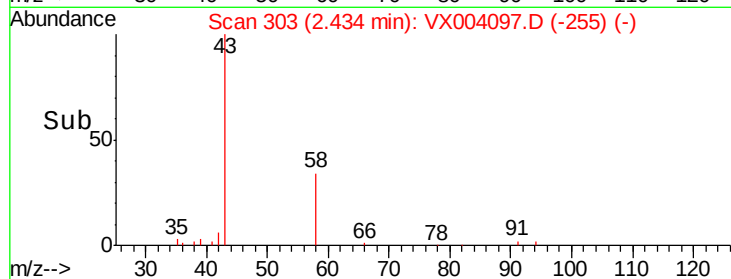
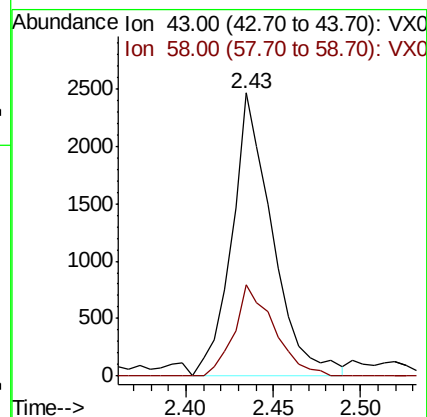
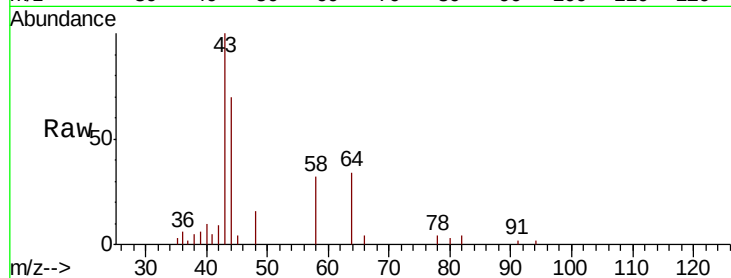
Z5TB02-180814

Tot Ion: 43 Resp: 3969

Ion Ratio Lower Upper

43 100

58 32.3 26.4 39.6



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004097.D

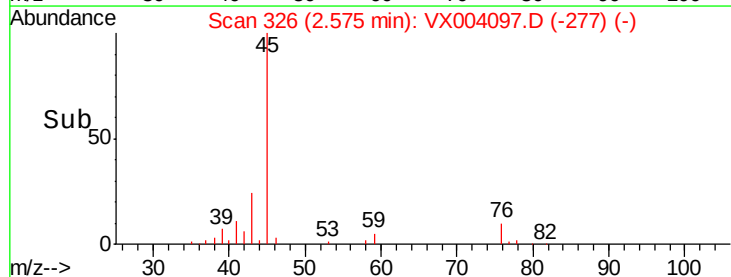
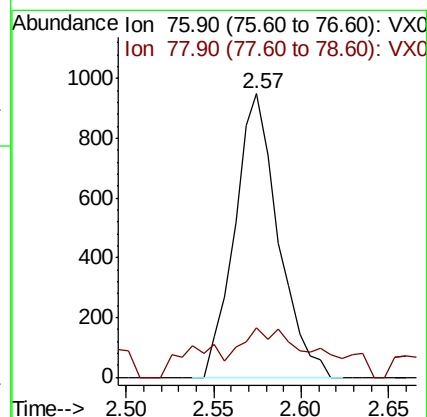
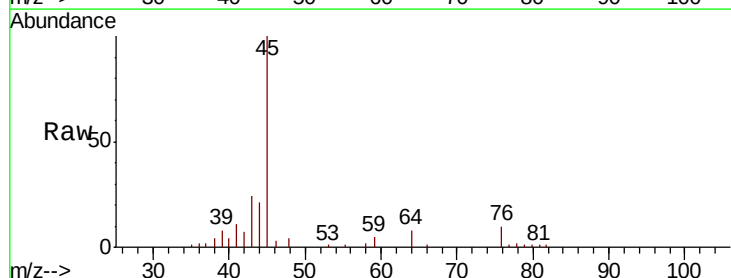
Acq: 16 Aug 2018 03:07

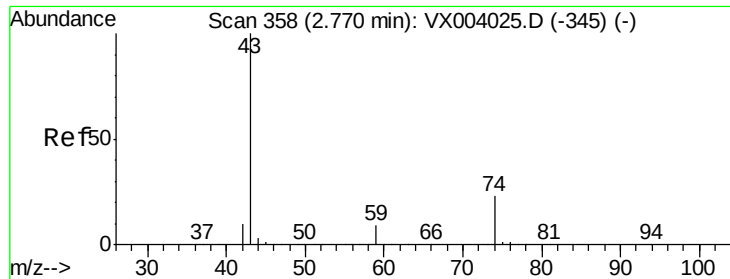
Tgt Ion: 76 Resp: 1641

Ion Ratio Lower Upper

76 100

78 10.6 7.5 11.3

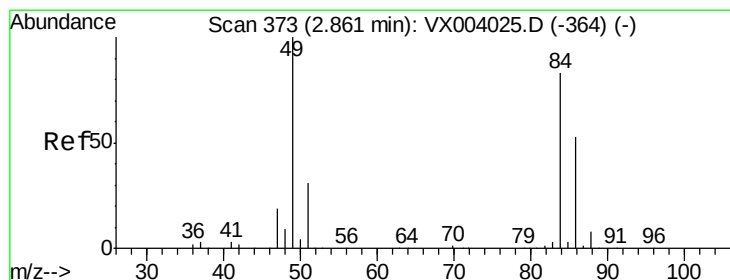
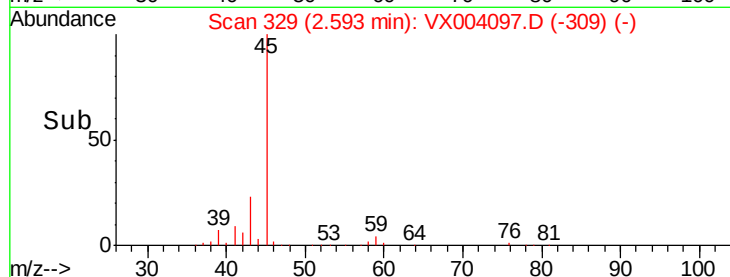
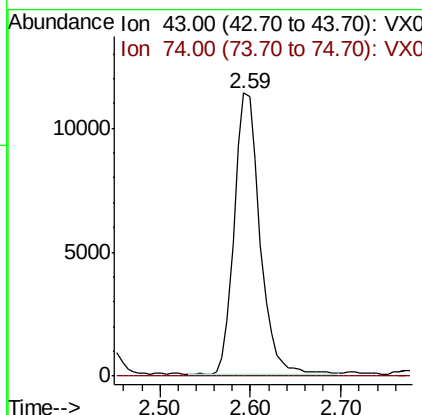
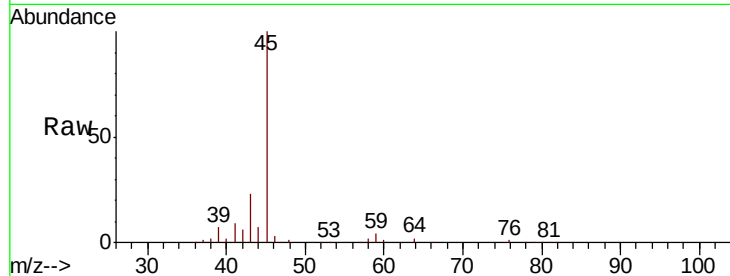




#18
Methvl Acetate
Concen: 5.49 ug/l
RT: 2.59 min Scan# 329
Delta R.T. -0.18 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

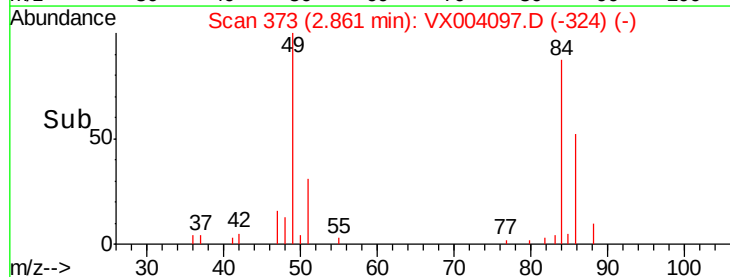
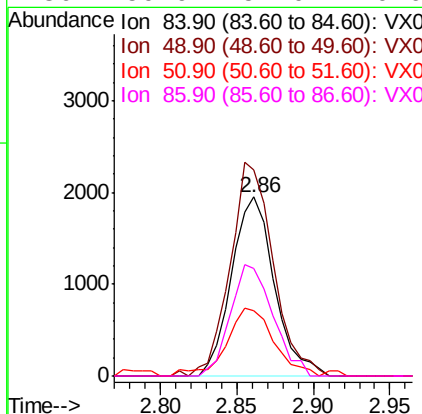
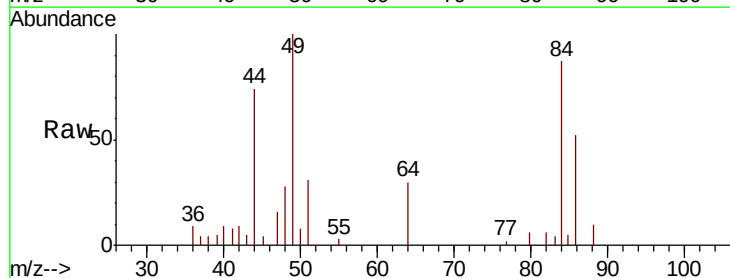
Instrument :
MSVOA_X
ClientSampleId :
Z5TB02-180814

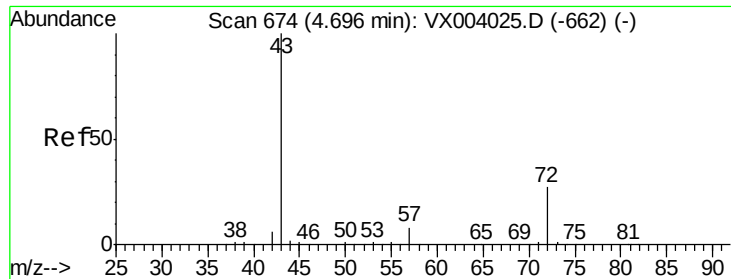
Tot Ion: 43 Resp: 22530
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 0.66 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

Tgt Ion: 84 Resp: 3802
Ion Ratio Lower Upper
84 100
49 115.3 98.9 148.3
51 33.6 29.9 44.9
86 59.9 51.0 76.6





#25

2-Butanone

Concen: 0.40 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.02 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

Instrument :

MSVOA_X

ClientSampleId :

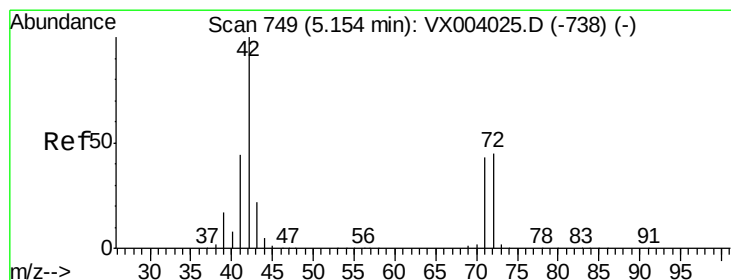
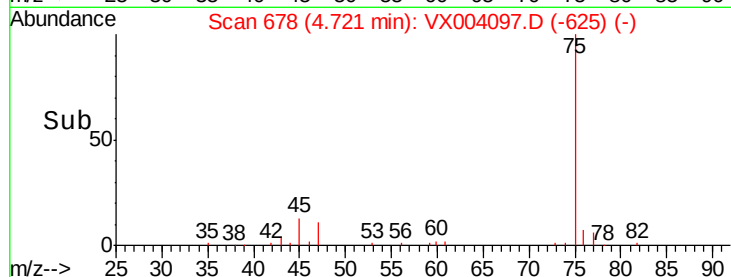
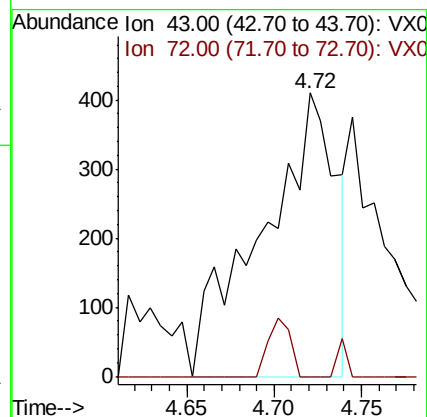
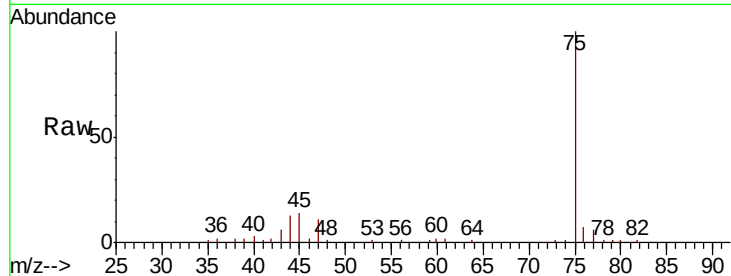
Z5TB02-180814

Tot Ion: 43 Resp: 1209

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#29

Tetrahydrofuran

Concen: 0.75 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

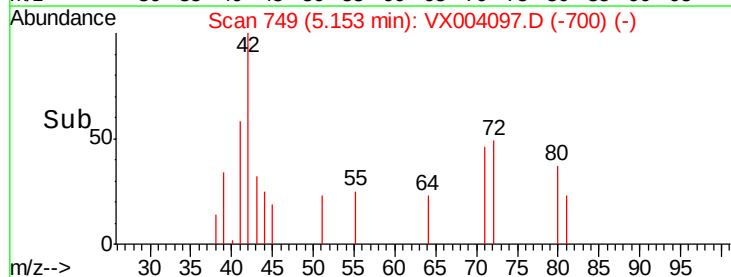
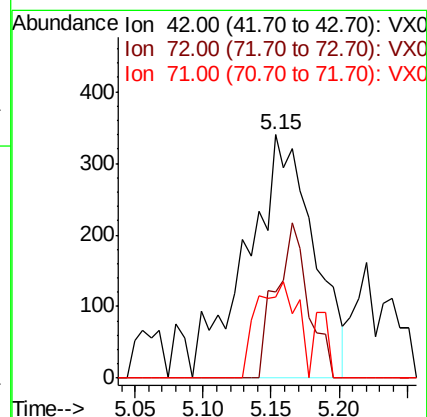
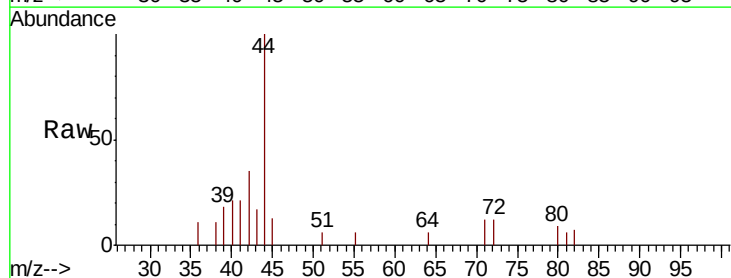
Tgt Ion: 42 Resp: 1159

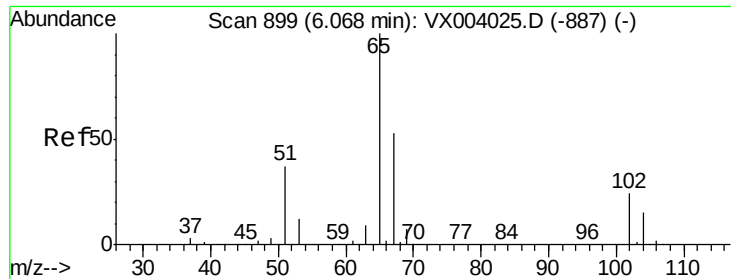
Ion Ratio Lower Upper

42 100

72 31.1 37.7 56.5#

71 23.8 35.0 52.6#

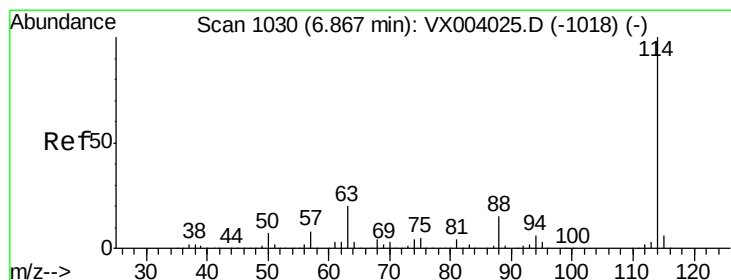
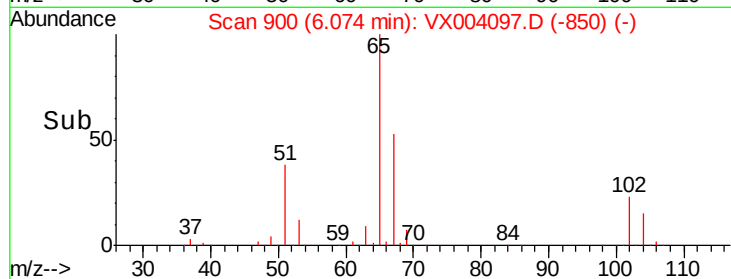
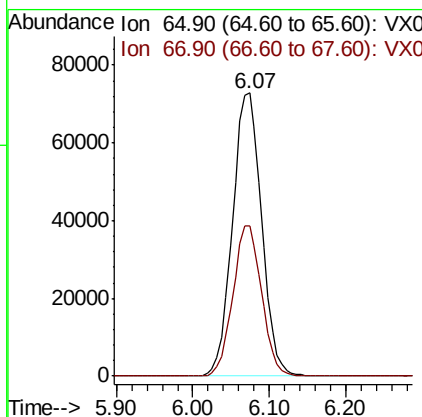
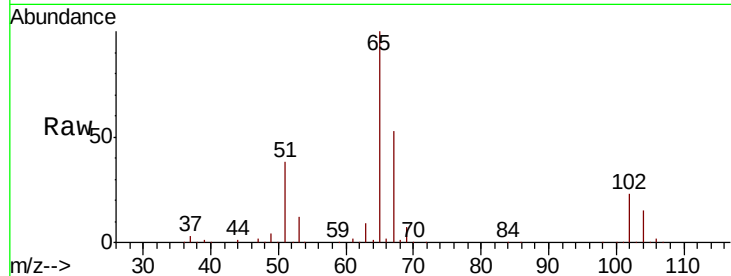




#33
 1,2-Dichloroethane-d4
 Concen: 53.90 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX004097.D
 Acq: 16 Aug 2018 03:07

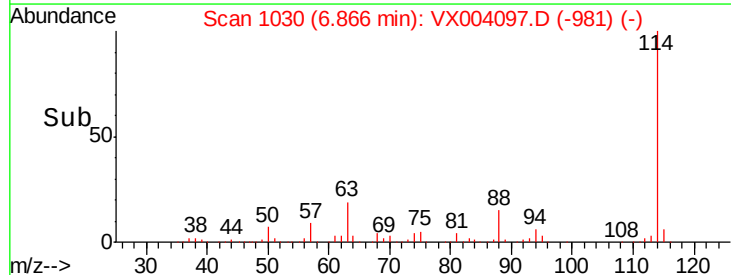
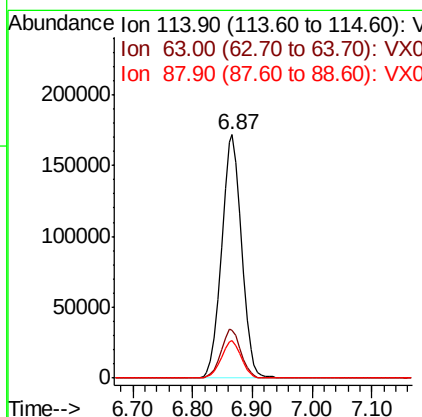
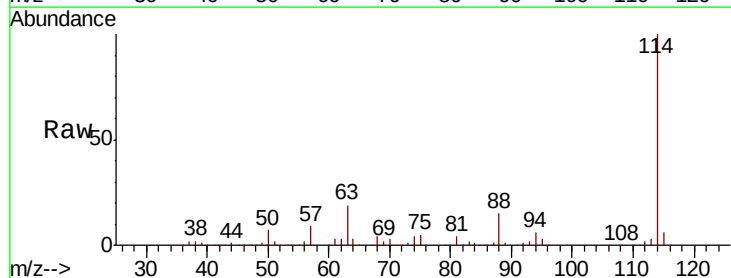
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5TB02-180814

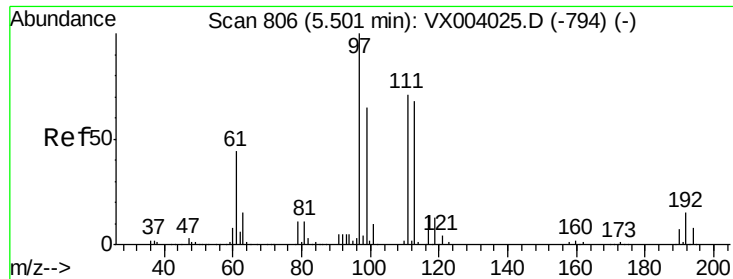
Tot Ion: 65 Resp: 191618
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004097.D
 Acq: 16 Aug 2018 03:07

Tgt Ion: 114 Resp: 400095
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.2 0.0 32.0

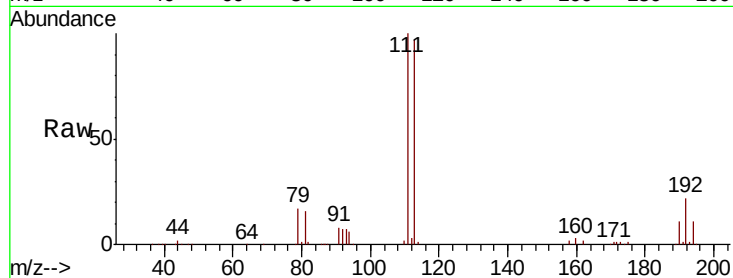




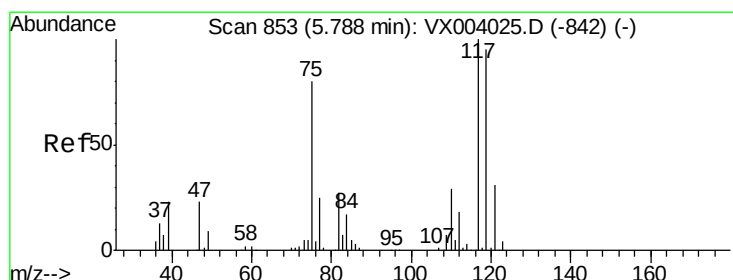
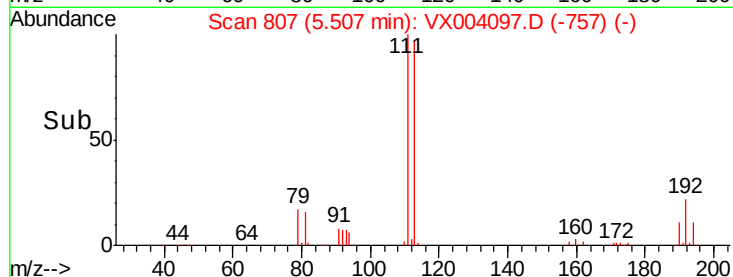
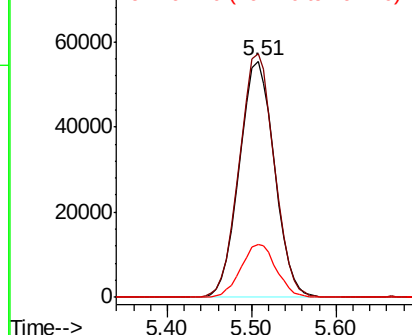
#35
Dibromofluoromethane
Concen: 52.17 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

Instrument :
MSVOA_X
ClientSampleId :
Z5TB02-180814

Tot Ion:113 Resp: 156222
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 22.7 19.0 28.4

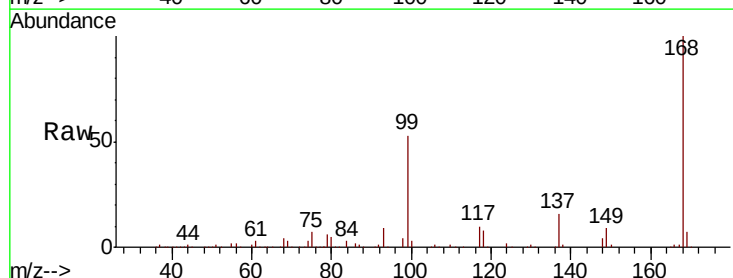


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

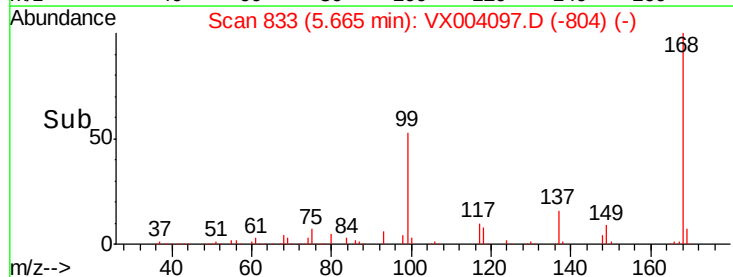
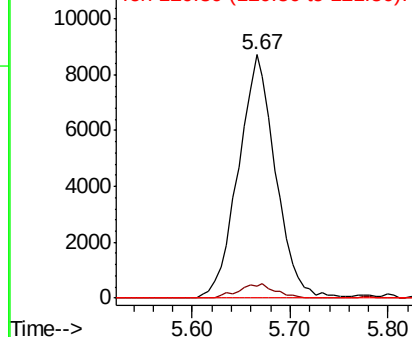


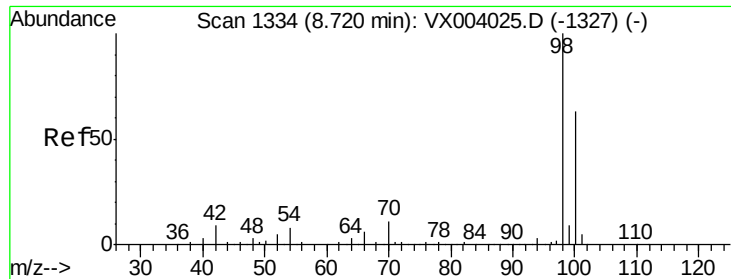
#38
Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

Tgt Ion:117 Resp: 22872
Ion Ratio Lower Upper
117 100
119 4.7 79.5 119.3#
121 0.0 25.0 37.4#



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

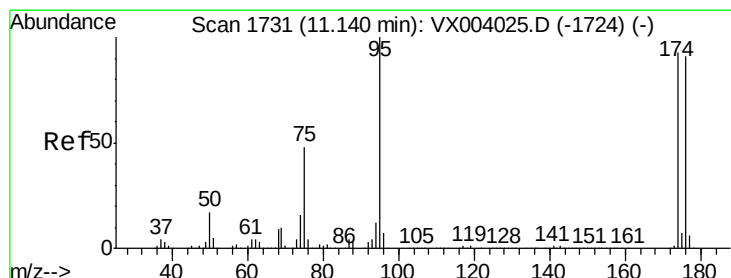
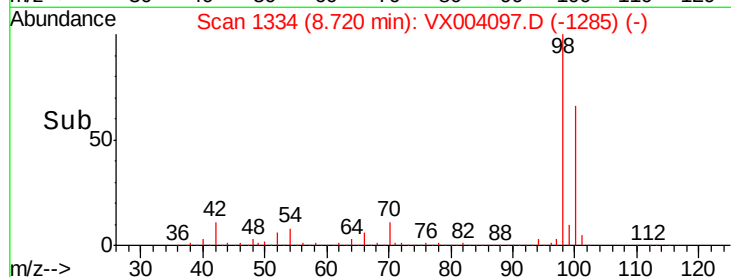
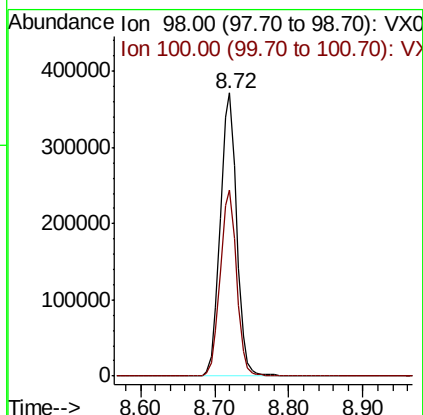
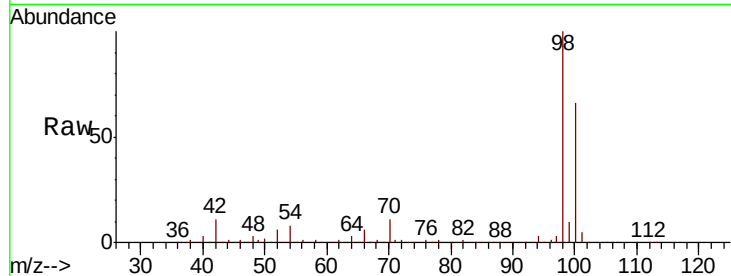




#50
Toluene-d8
Concen: 46.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

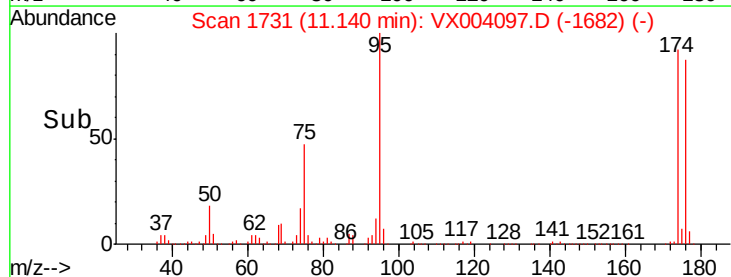
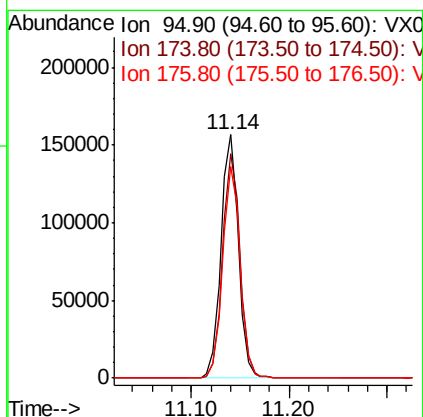
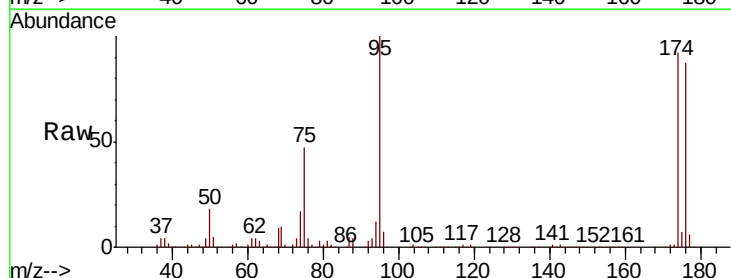
Instrument :
MSVOA_X
ClientSampleId :
Z5TB02-180814

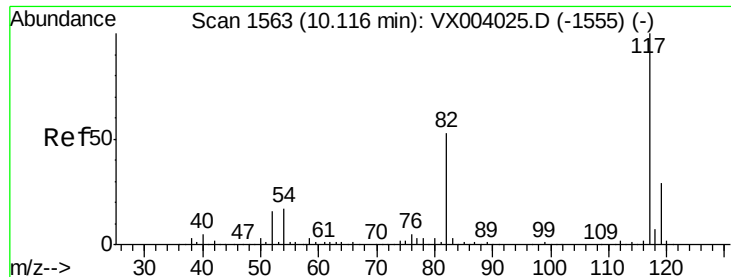
Tot Ion: 98 Resp: 569346
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.84 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

Tgt Ion: 95 Resp: 193049
Ion Ratio Lower Upper
95 100
174 92.9 0.0 182.8
176 87.5 0.0 179.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

Instrument :

MSVOA_X

ClientSampleId :

Z5TB02-180814

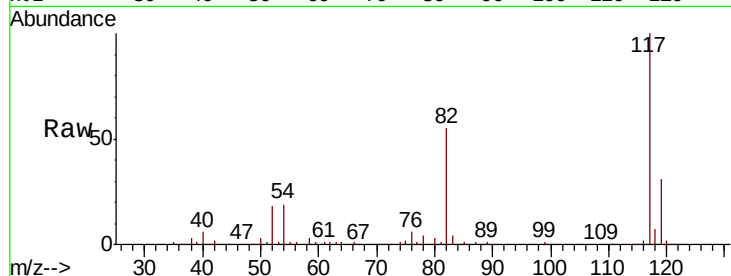
Tot Ion:117 Resp: 377717

Ion Ratio Lower Upper

117 100

82 54.5 45.4 68.0

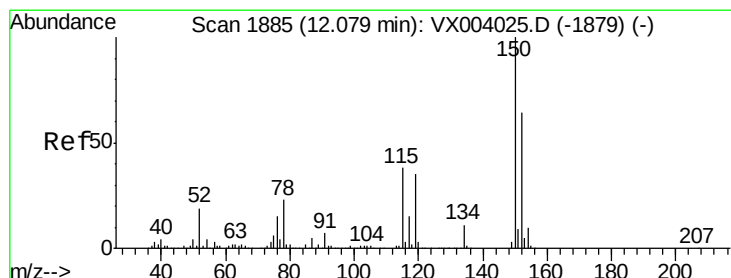
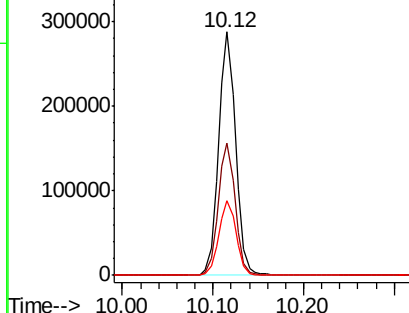
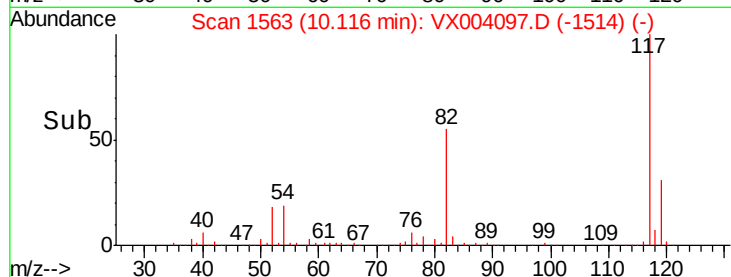
119 30.7 26.6 40.0



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# 1885

Delta R.T. -0.00 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

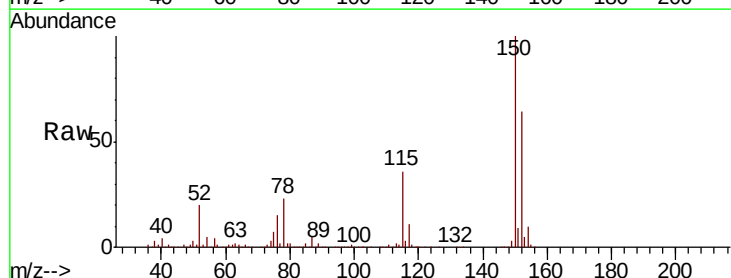
Tgt Ion:152 Resp: 203932

Ion Ratio Lower Upper

152 100

115 54.7 39.1 117.3

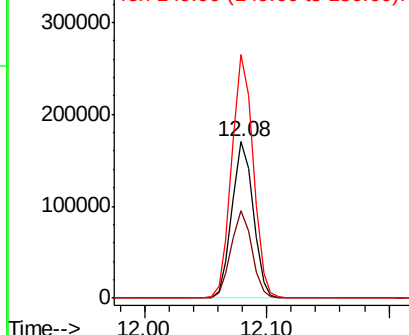
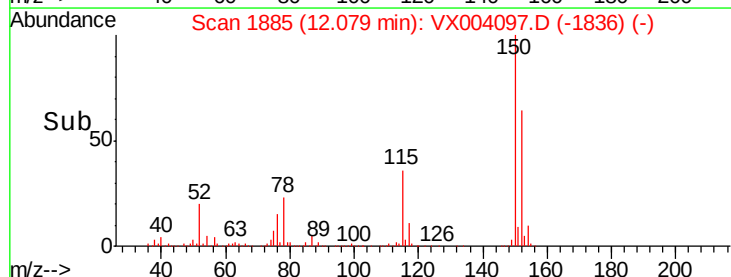
150 156.8 0.0 349.2

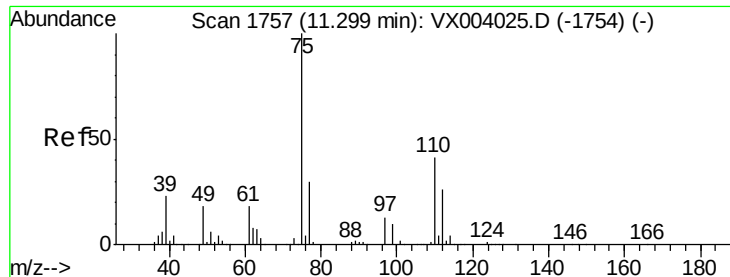


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

Instrument :

MSVOA_X

ClientSampleId :

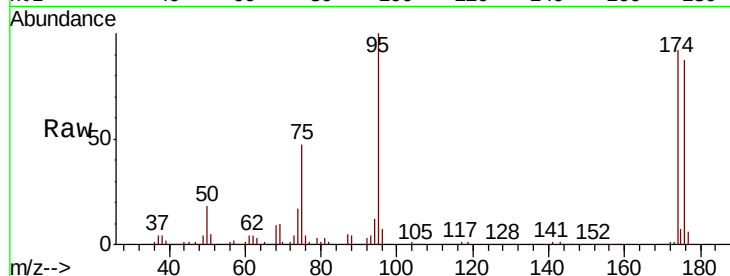
Z5TB02-180814

Tot Ion: 75 Resp: 93772

Ion Ratio Lower Upper

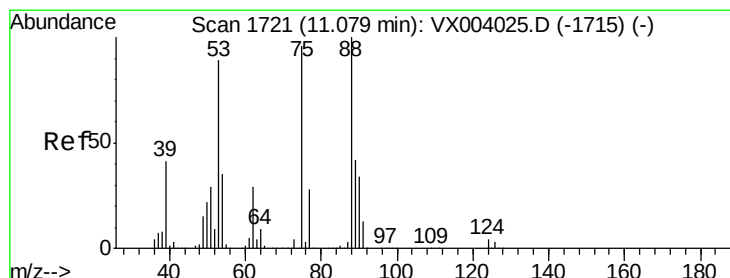
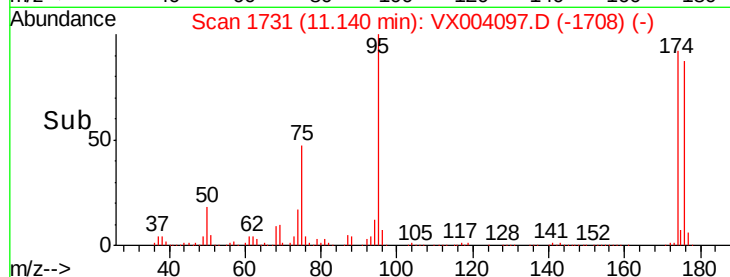
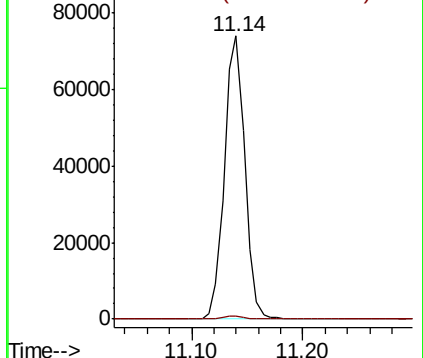
75 100

77 1.3 20.8 62.5#



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: 70.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004097.D

Acq: 16 Aug 2018 03:07

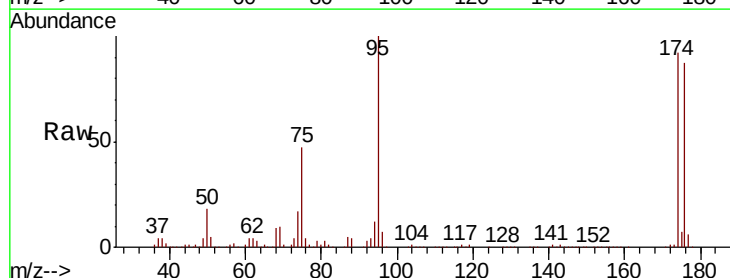
Tgt Ion: 75 Resp: 93772

Ion Ratio Lower Upper

75 100

53 0.4 80.3 120.5#

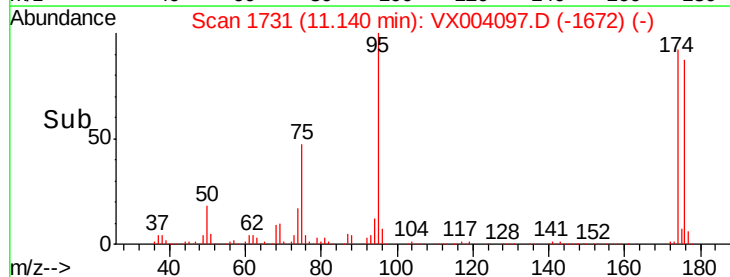
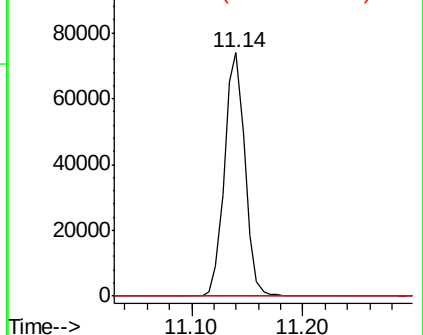
89 0.0 37.8 56.8#

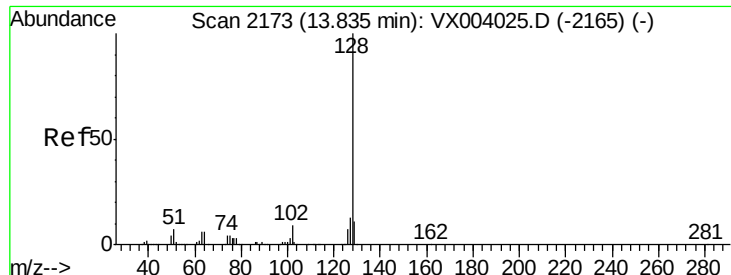


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.20 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX004097.D
Acq: 16 Aug 2018 03:07

Instrument :
MSVOA_X
ClientSampleId :
Z5TB02-180814

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.2	15.2#
129	7.1	8.8	13.2#

