

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004122.D
 Acq On : 17 Aug 2018 10:37
 Operator : JC/MD
 Sample : VX0817WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 01:29:10 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	288943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	433557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209262	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	207544	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
35) Dibromofluoromethane	5.50	113	173043	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
50) Toluene-d8	8.71	98	623013	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	11.14	95	197991	41.49	ug/l	0.00
Spiked Amount			Recovery	=	82.98%	

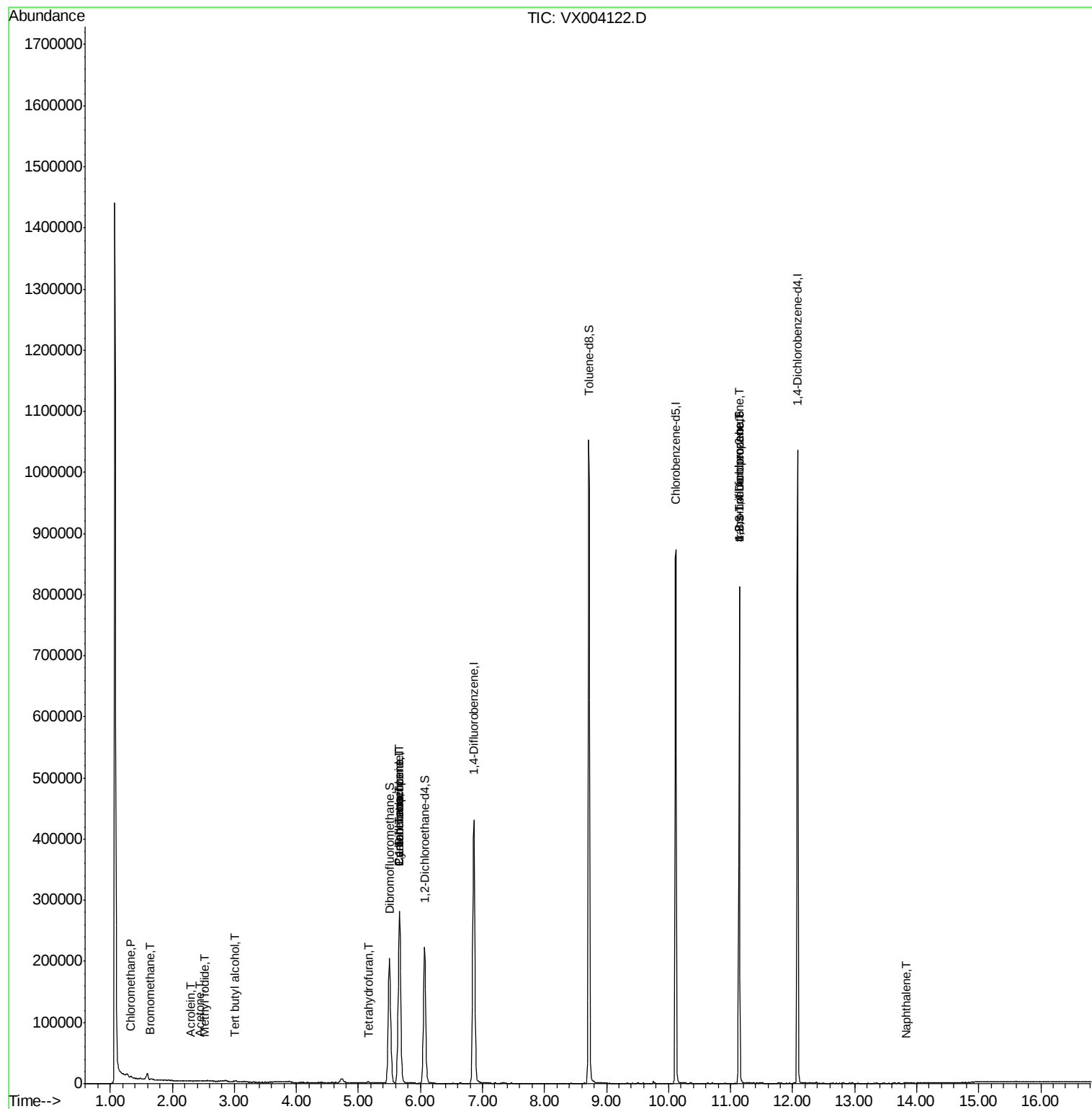
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	6012	1.74	ug/l	95
5) Bromomethane	1.65	94	770	0.23	ug/l	97
6) Chloroethane	1.70	64	161	Below Cal	#	42
10) Methyl Iodide	2.51	142	701	5.19	ug/l	# 86
11) Tert butyl alcohol	3.02	59	1066	1.30	ug/l	# 73
13) Acrolein	2.29	56	211	11.31	ug/l	# 80
16) Acetone	2.44	43	677	0.32	ug/l	91
20) Methylene Chloride	2.86	84	572	Below Cal	#	85
29) Tetrahydrofuran	5.16	42	1563	0.89	ug/l	# 62
31) Cyclohexane	5.66	56	5093	0.91	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	19294	3.91	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	25584	5.34	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	94749	22.58	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	94749	69.89	ug/l	# 9
95) Naphthalene	13.84	128	582	1.18	ug/l	# 81

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

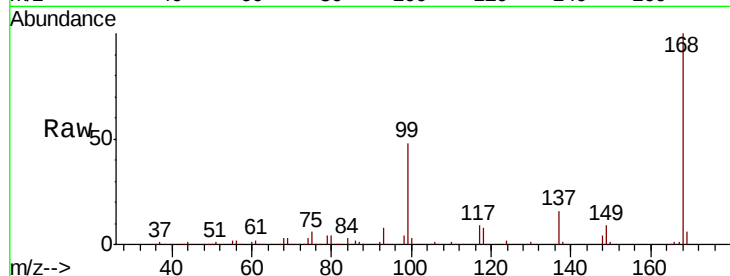
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 288943

Ion Ratio Lower Upper

168 100

99 48.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

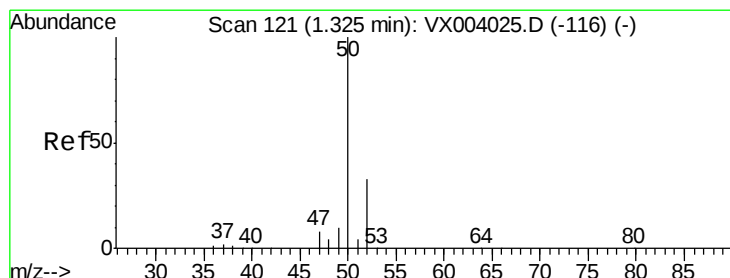
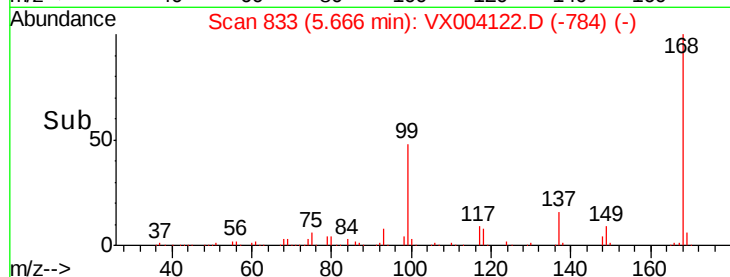
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 1.74 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX004122.D

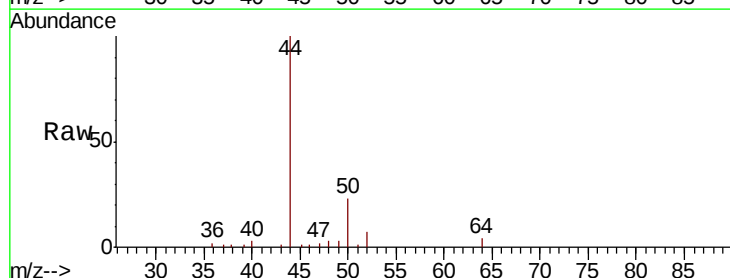
Acq: 17 Aug 2018 10:37

Tgt Ion: 50 Resp: 6012

Ion Ratio Lower Upper

50 100

52 30.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

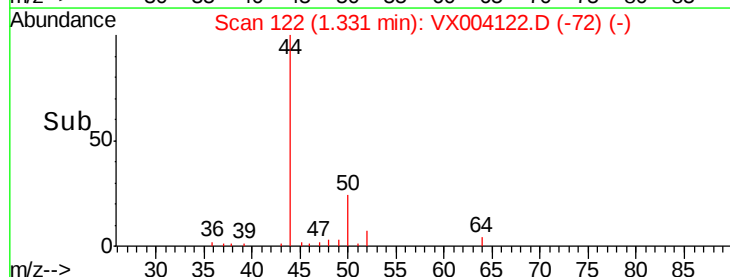
1000

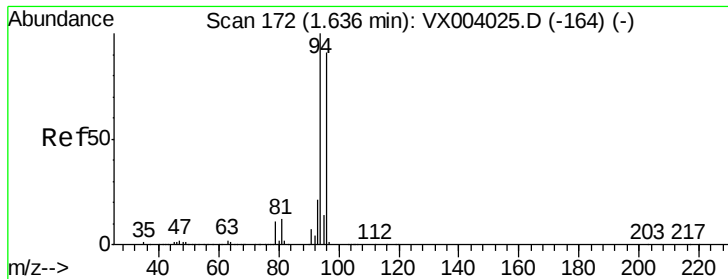
500

0

1.25 1.30 1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 0.23 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

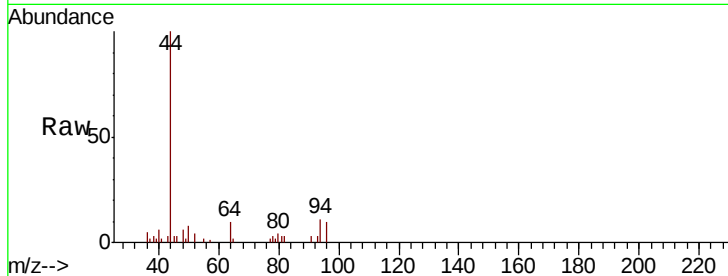
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 770

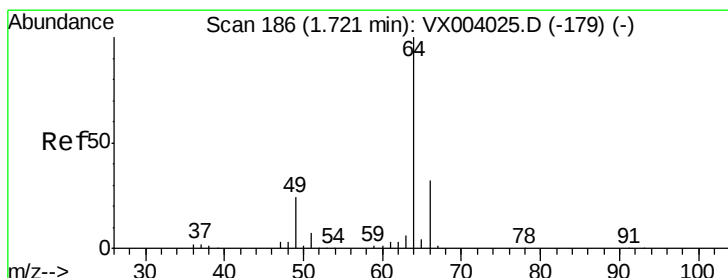
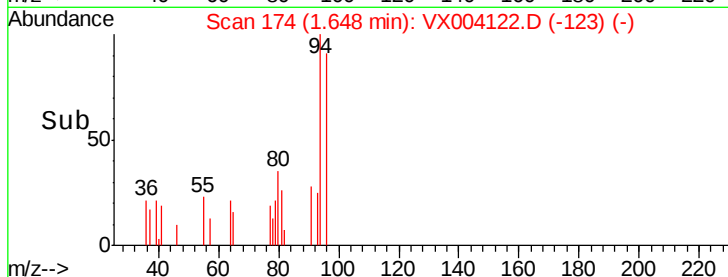
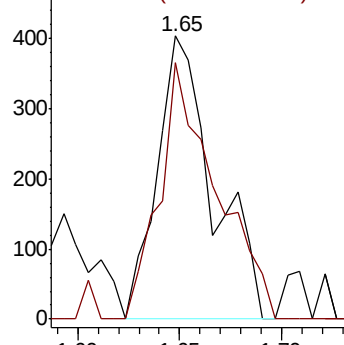
Ion Ratio Lower Upper

94 100

96 90.8 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: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX004122.D

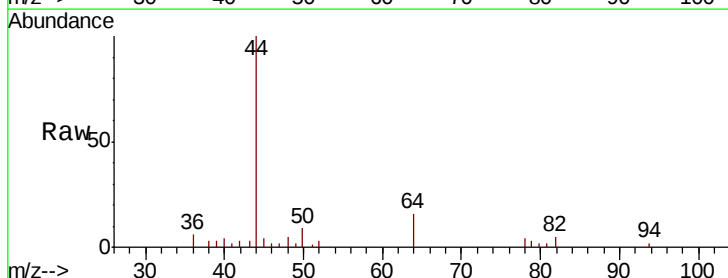
Acq: 17 Aug 2018 10:37

Tgt Ion: 64 Resp: 161

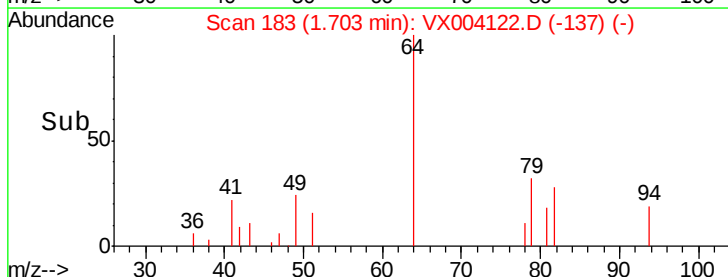
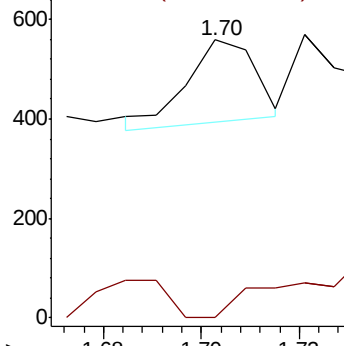
Ion Ratio Lower Upper

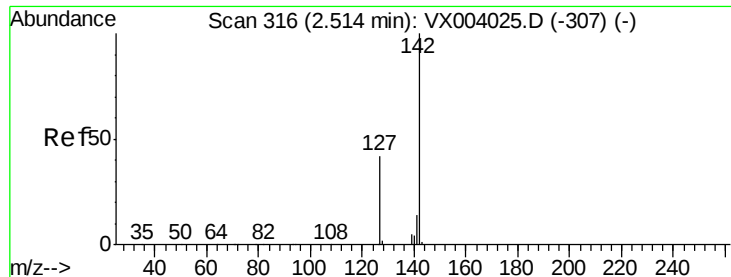
64 100

66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0

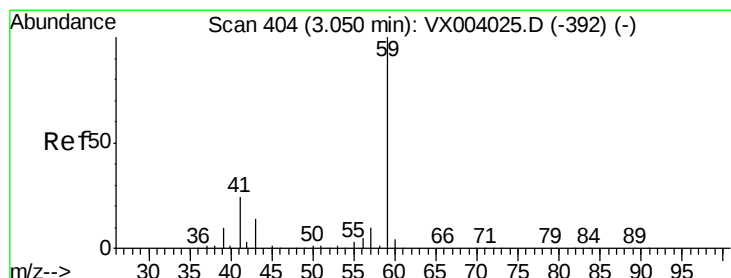
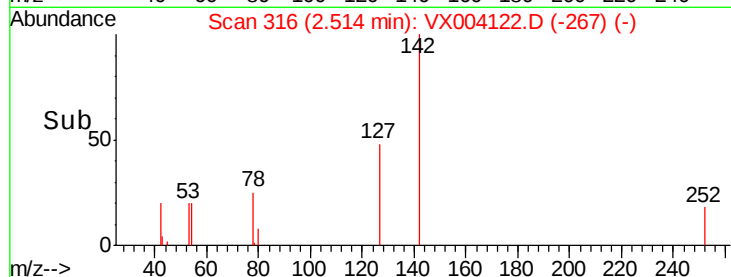
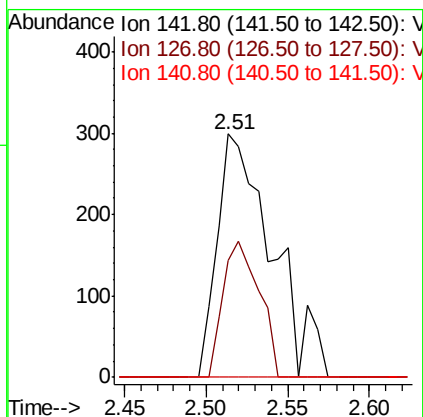
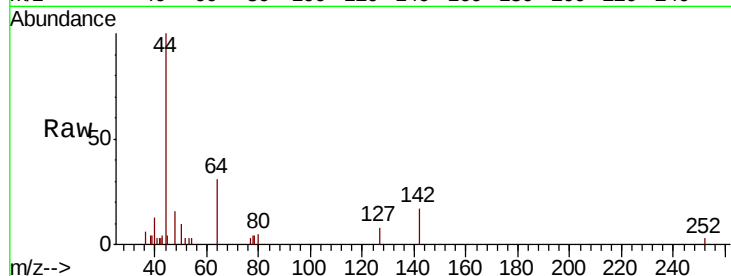




#10
Methyl Iodide
Concen: 5.19 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004122.D
Acq: 17 Aug 2018 10:37

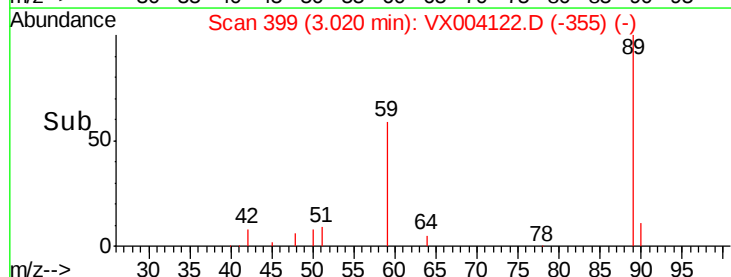
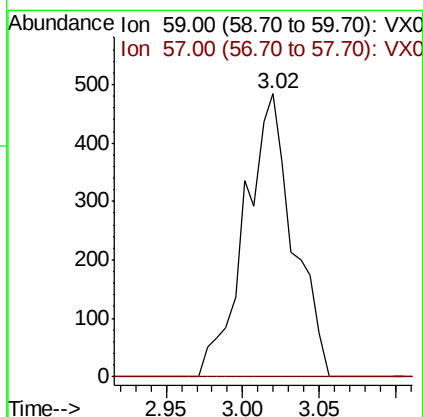
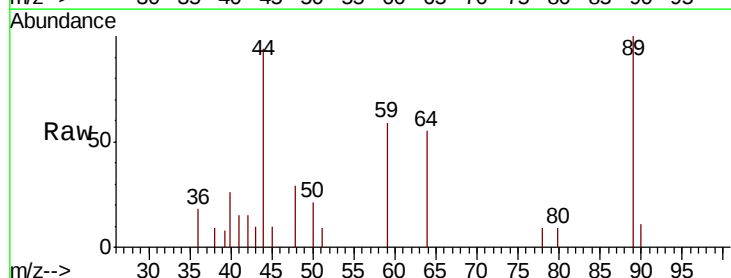
Instrument :
MSVOA_X
ClientSampleId :

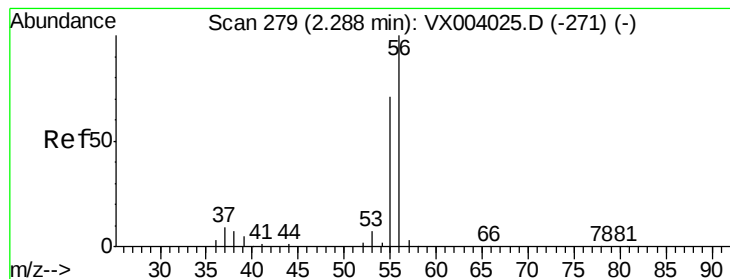
Tot Ion:142 Resp: 701
Ion Ratio Lower Upper
142 100
127 37.2 33.1 49.7
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 1.30 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004122.D
Acq: 17 Aug 2018 10:37

Tgt Ion: 59 Resp: 1066
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 11.31 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

Instrument :

MSVOA_X

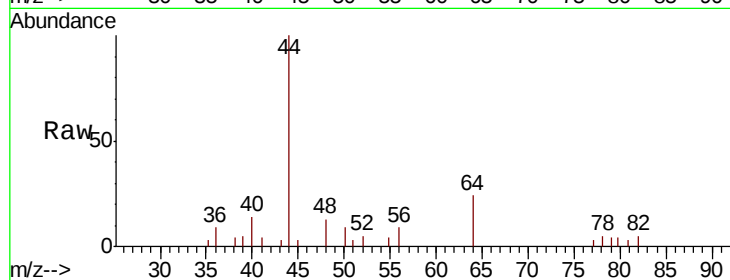
ClientSampled :

Tot Ion: 56 Resp: 211

Ion Ratio Lower Upper

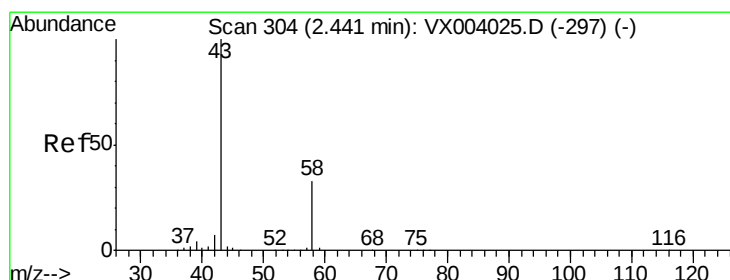
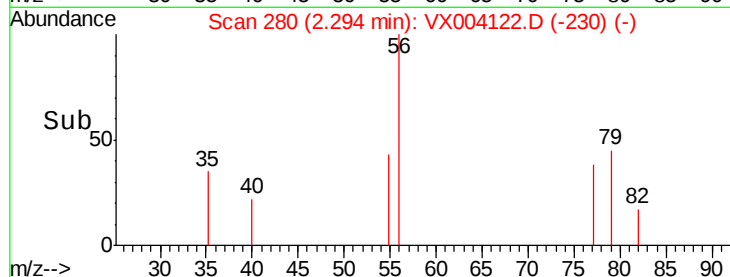
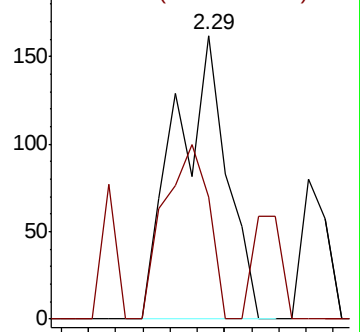
56 100

55 53.6 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.32 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004122.D

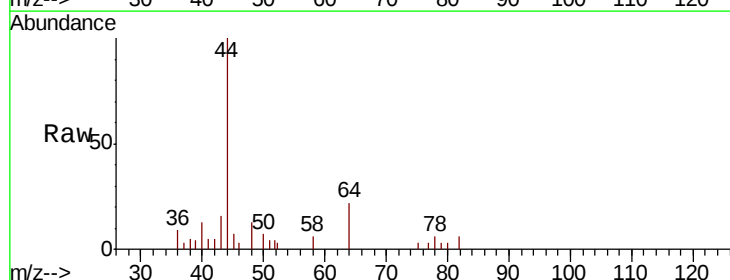
Acq: 17 Aug 2018 10:37

Tgt Ion: 43 Resp: 677

Ion Ratio Lower Upper

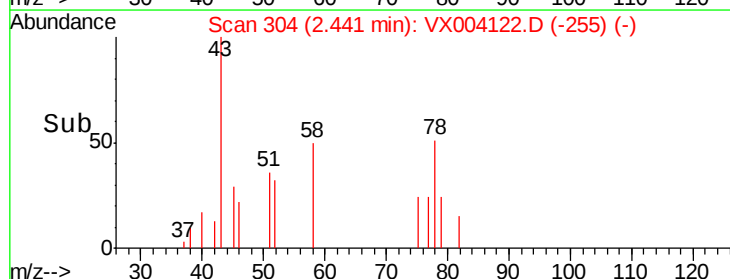
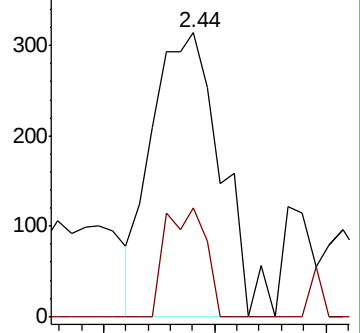
43 100

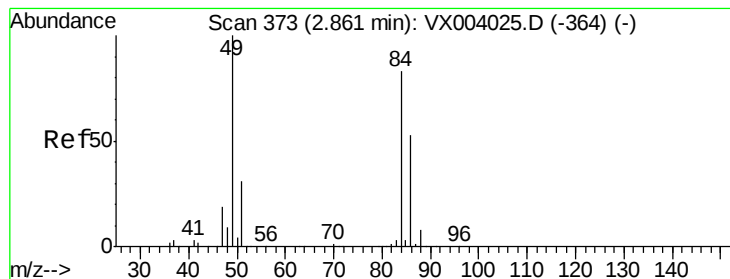
58 38.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 572

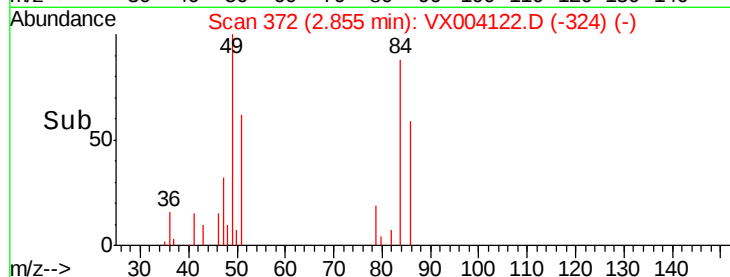
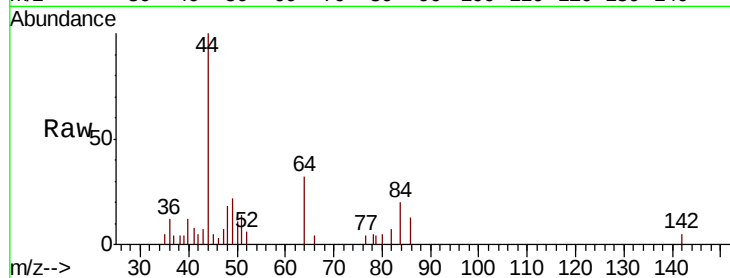
Ion Ratio Lower Upper

84 100

49 114.2 98.9 148.3

51 70.3 29.9 44.9#

86 67.2 51.0 76.6

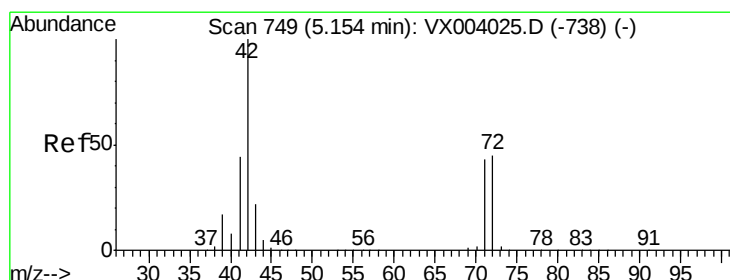
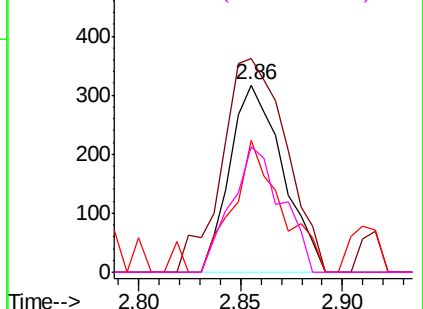


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.89 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

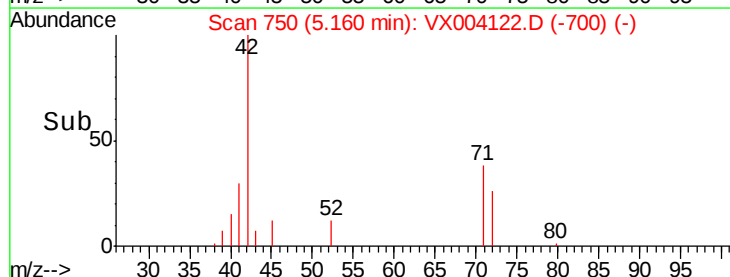
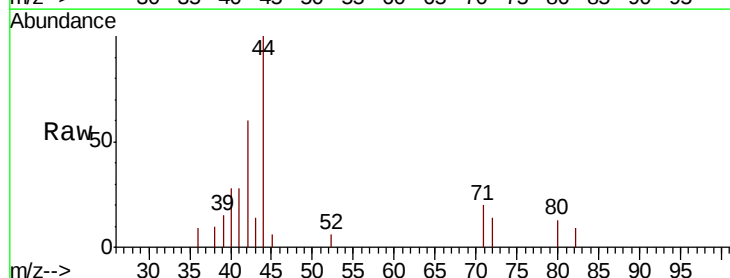
Tgt Ion: 42 Resp: 1563

Ion Ratio Lower Upper

42 100

72 24.3 37.7 56.5#

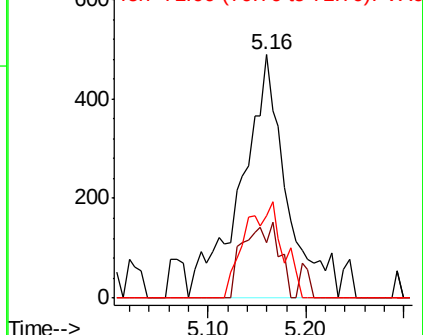
71 16.6 35.0 52.6#

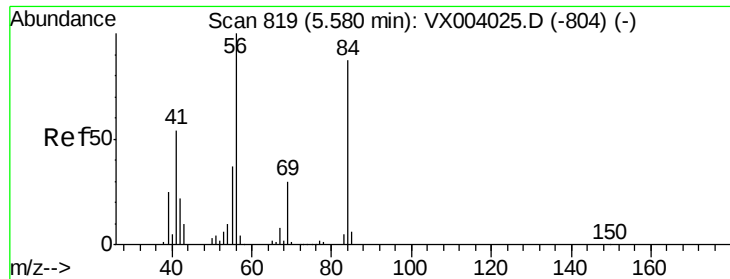


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

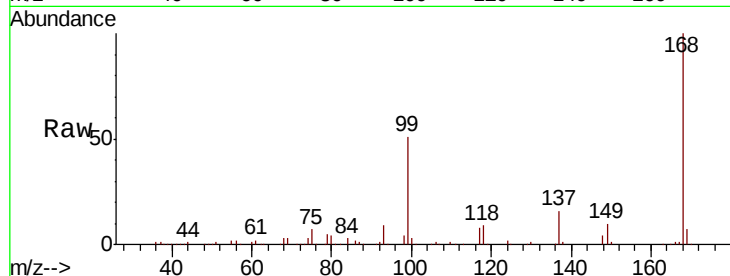




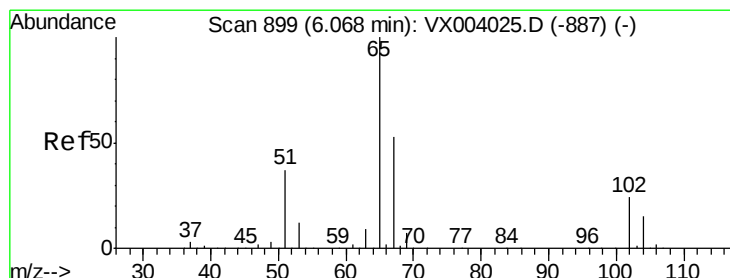
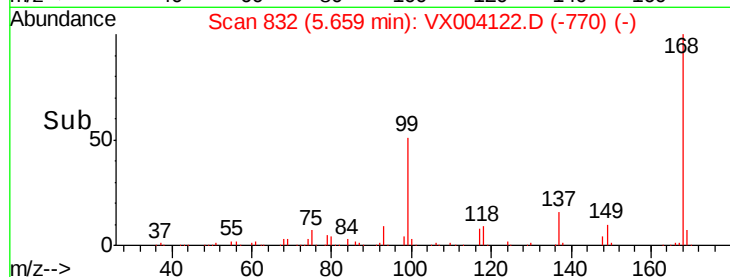
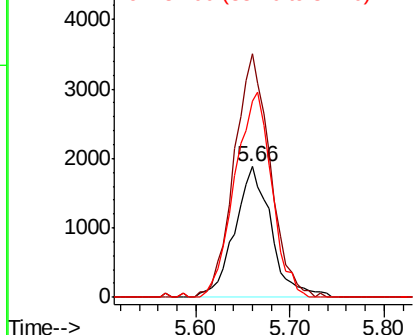
#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX004122.D
Acq: 17 Aug 2018 10:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 5093
Ion Ratio Lower Upper
56 100
69 186.5 24.9 37.3#
84 150.4 71.7 107.5#

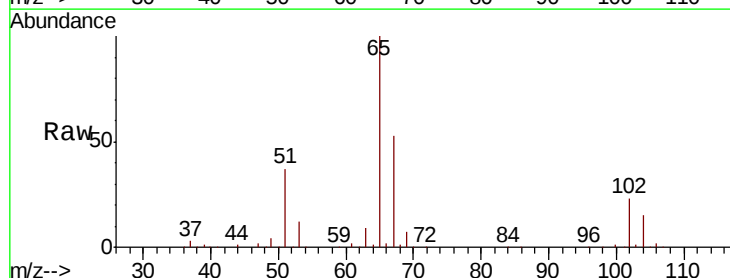


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

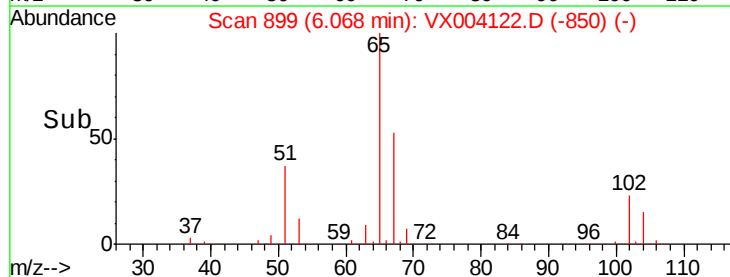
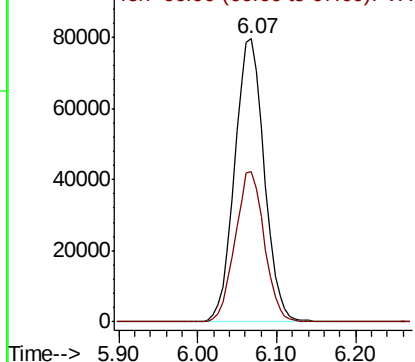


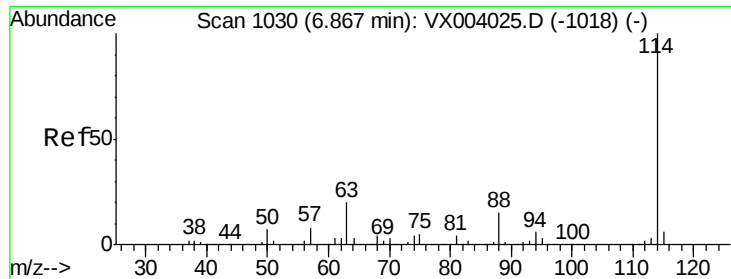
#33
1,2-Dichloroethane-d4
Concen: 50.98 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004122.D
Acq: 17 Aug 2018 10:37

Tgt Ion: 65 Resp: 207544
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8



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

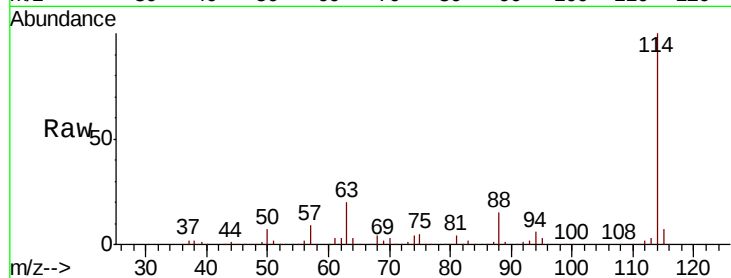




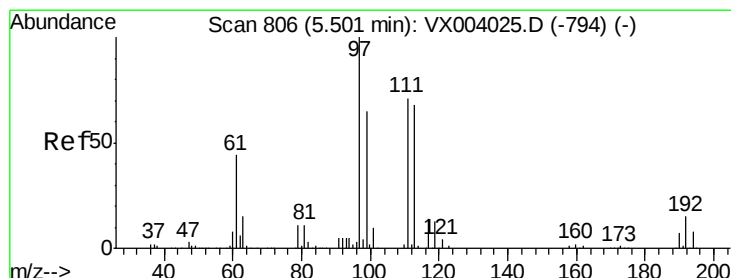
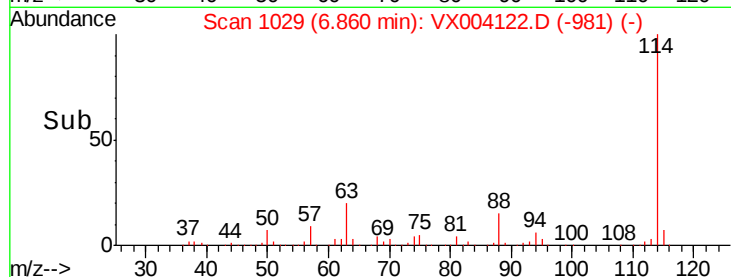
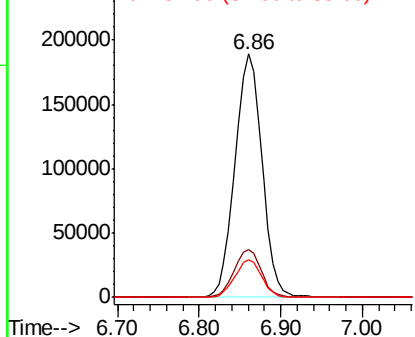
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004122.D
 Acq: 17 Aug 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 433557
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.3 0.0 32.0

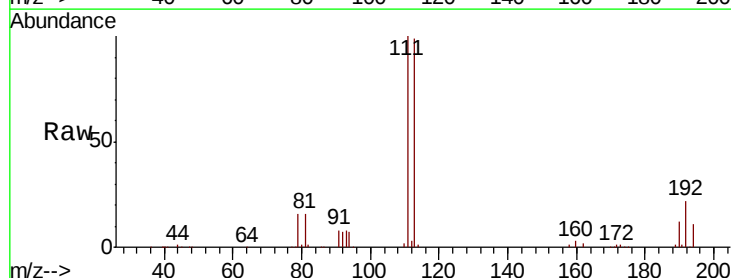


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

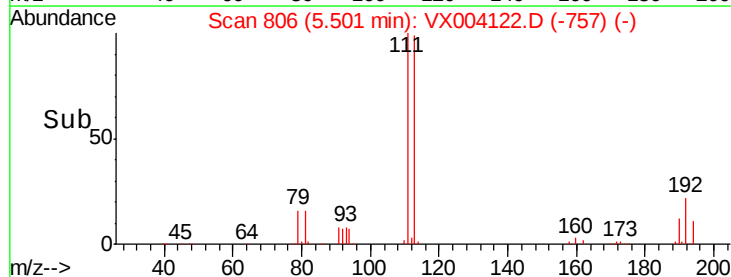
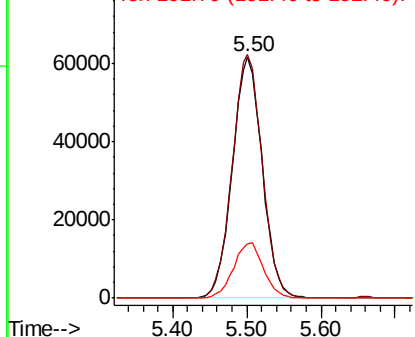


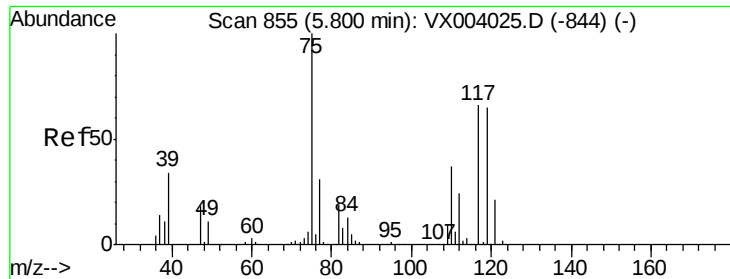
#35
 Dibromofluoromethane
 Concen: 53.33 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004122.D
 Acq: 17 Aug 2018 10:37

Tgt Ion:113 Resp: 173043
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.0 123.0
 192 23.0 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

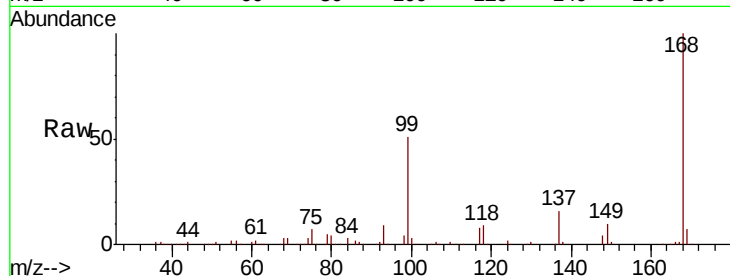




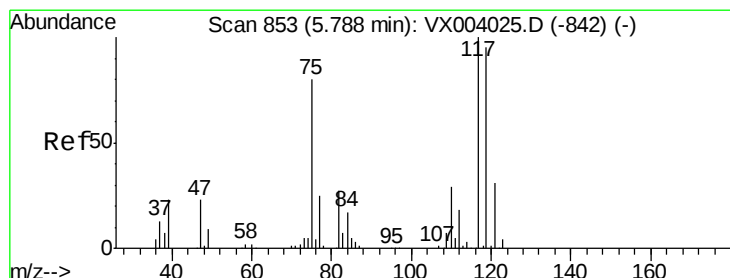
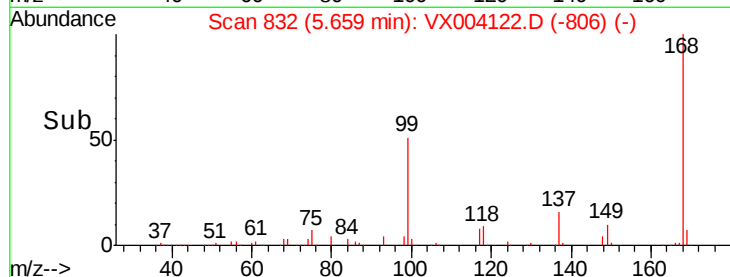
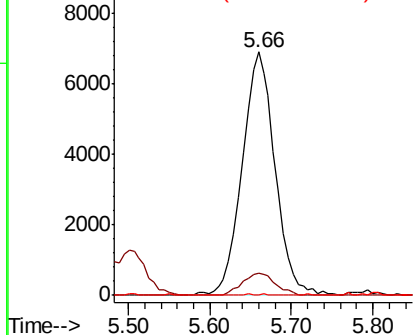
#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004122.D
 Acq: 17 Aug 2018 10:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.2	54.6#
77	0.1	25.0	37.4#

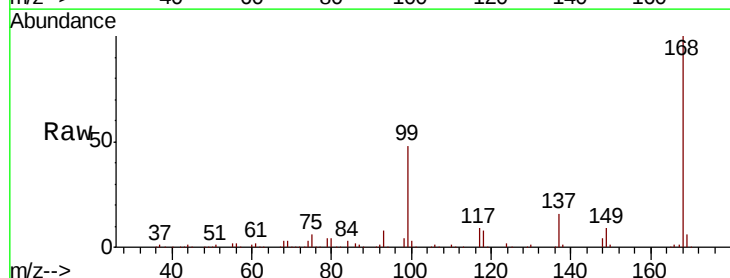


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

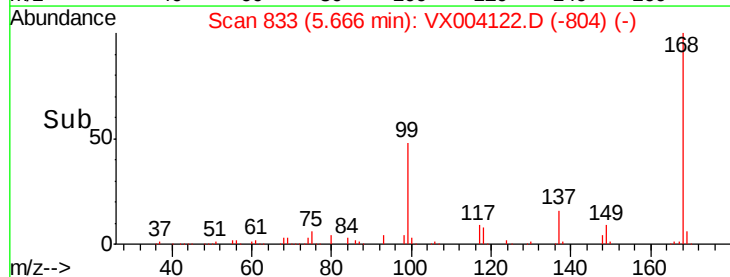
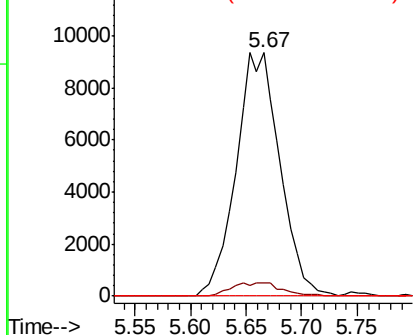


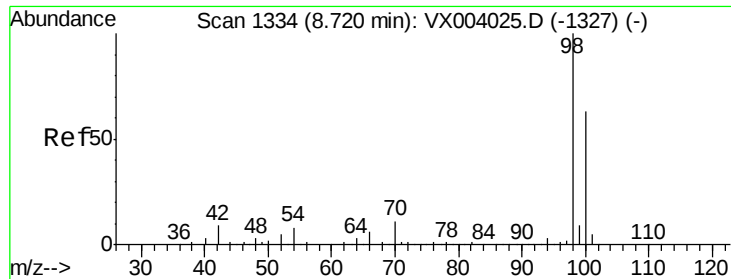
#38
 Carbon Tetrachloride
 Concen: 5.34 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX004122.D
 Acq: 17 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	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: 47.36 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

Instrument :

MSVOA_X

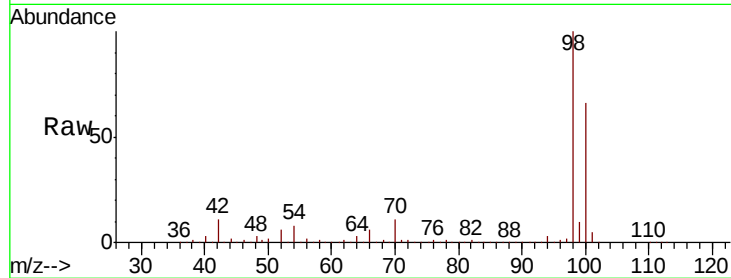
ClientSampleId :

Tot Ion: 98 Resp: 623013

Ion Ratio Lower Upper

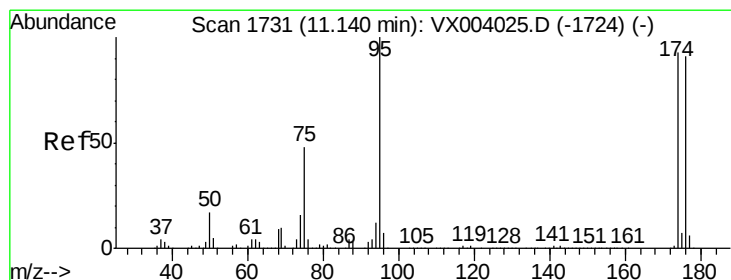
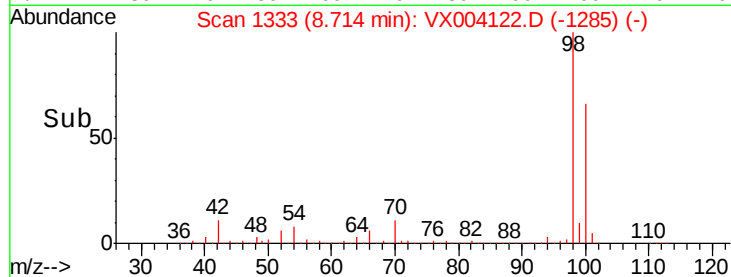
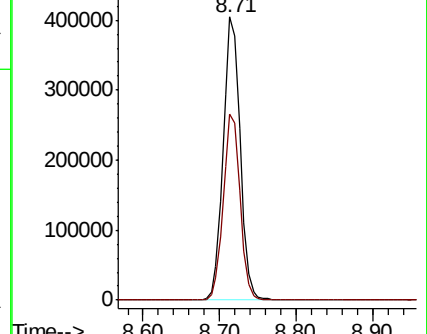
98 100

100 65.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 41.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

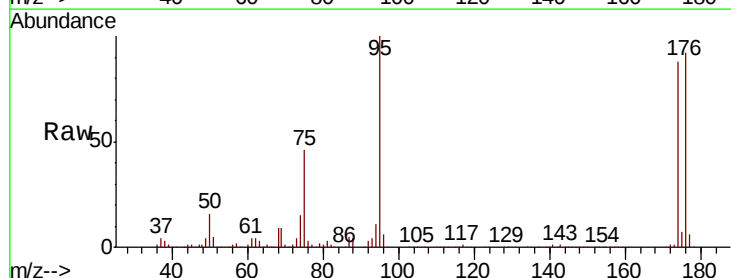
Tgt Ion: 95 Resp: 197991

Ion Ratio Lower Upper

95 100

174 93.2 0.0 182.8

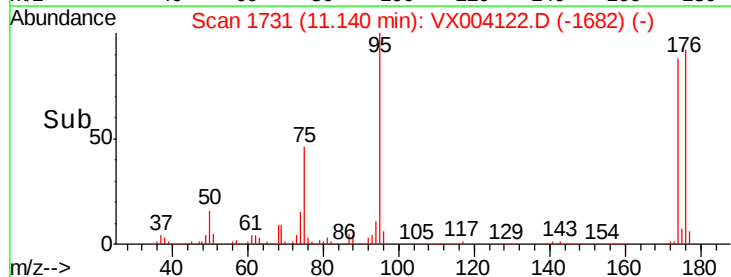
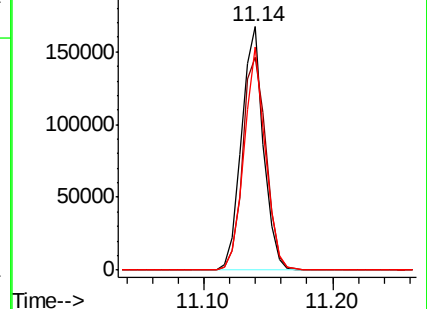
176 89.0 0.0 179.0

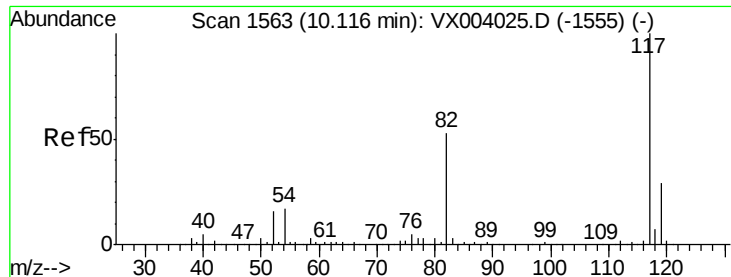


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

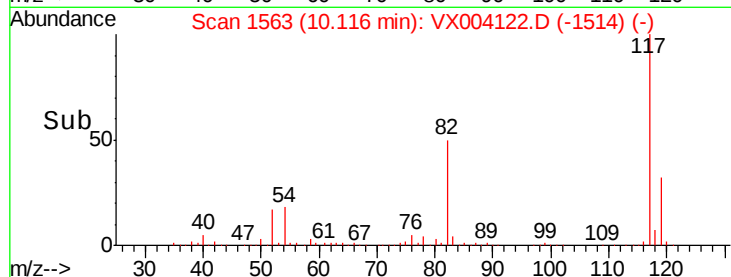
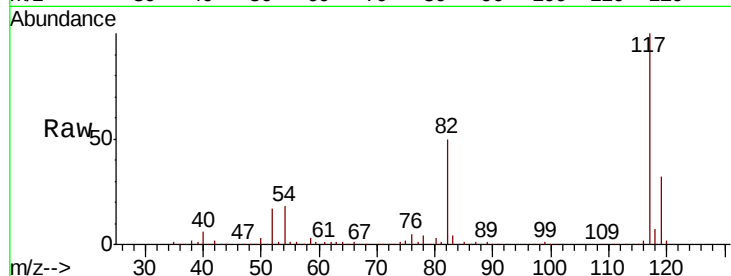
Tot Ion:117 Resp: 415454

Ion Ratio Lower Upper

117 100

82 50.3 45.4 68.0

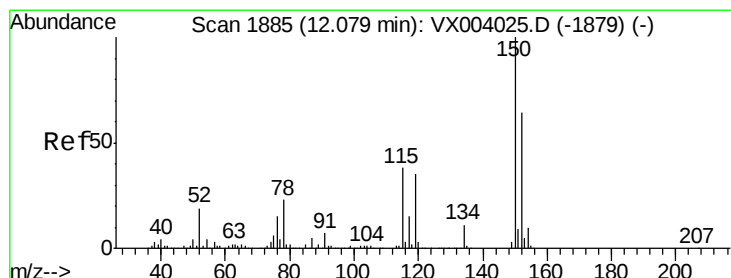
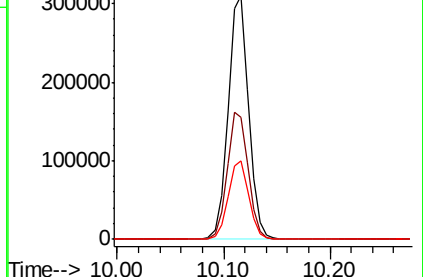
119 32.0 26.6 40.0



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: VX004122.D

Acq: 17 Aug 2018 10:37

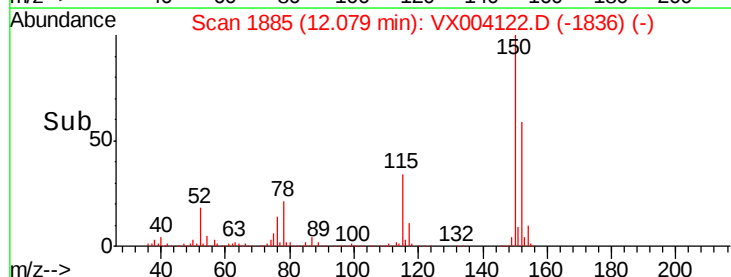
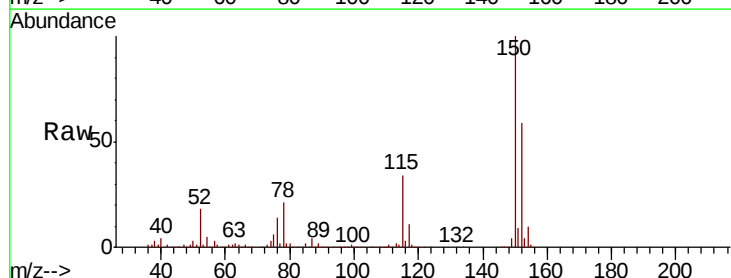
Tgt Ion:152 Resp: 209262

Ion Ratio Lower Upper

152 100

115 56.8 39.1 117.3

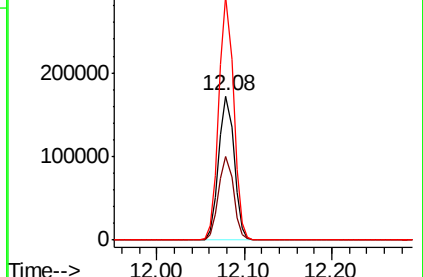
150 161.9 0.0 349.2

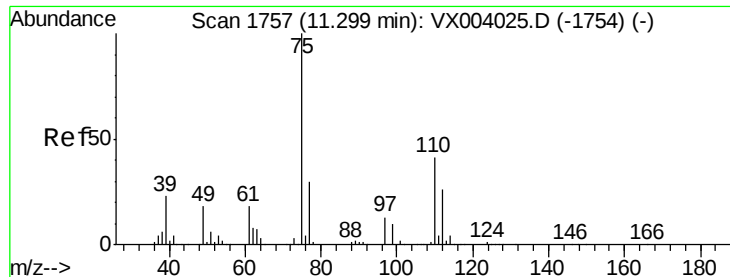


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

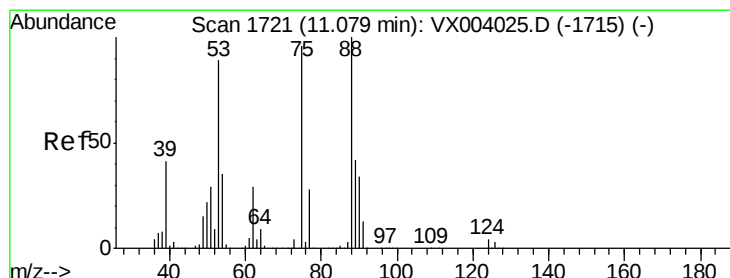
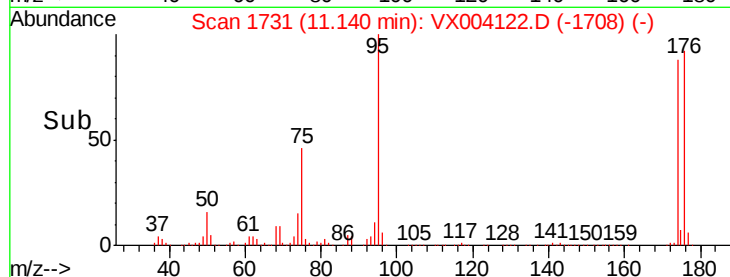
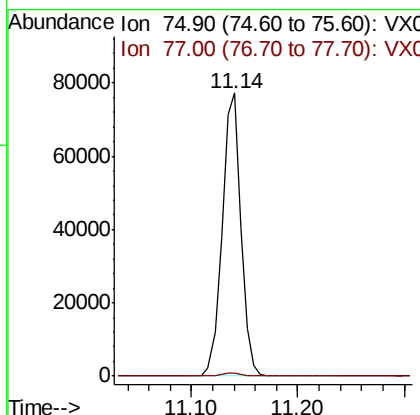
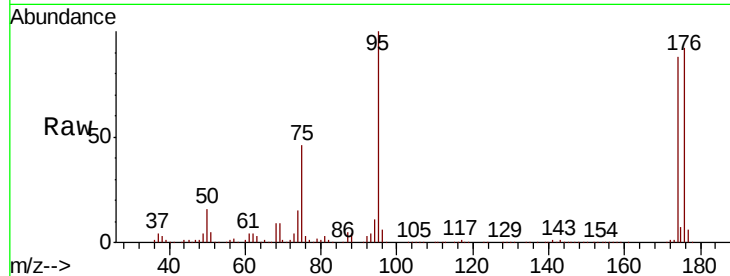




#76
 1,2,3-Trichloropropane
 Concen: 22.58 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004122.D
 Acq: 17 Aug 2018 10:37

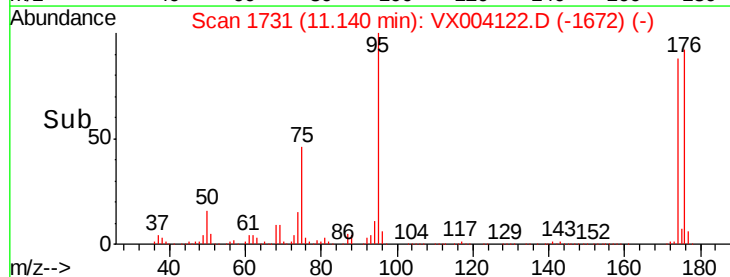
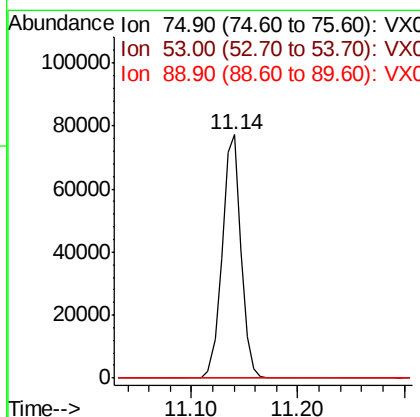
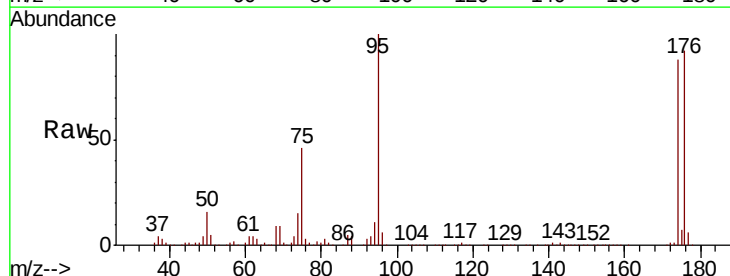
Instrument :
 MSVOA_X
 ClientSampleId :

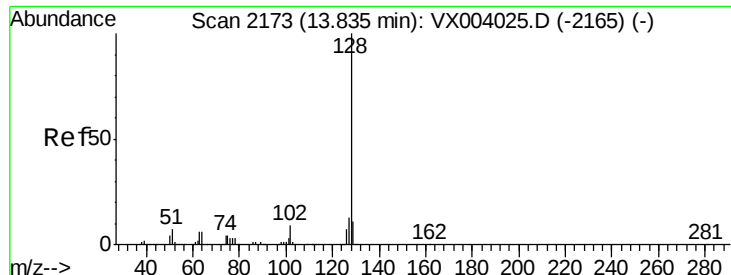
Tot Ion: 75 Resp: 94749
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.89 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004122.D
 Acq: 17 Aug 2018 10:37

Tgt Ion: 75 Resp: 94749
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.3 120.5#
 89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.18 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX004122.D

Acq: 17 Aug 2018 10:37

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 582

Ion Ratio Lower Upper

128 100

127 8.2 10.2 15.2#

129 0.0 8.8 13.2#

