

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081718\
 Data File : VX004136.D
 Acq On : 17 Aug 2018 17:03
 Operator : JC/MD
 Sample : J4516-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 01:33:53 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	262207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	407513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208999	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	191578	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	5.51	113	163612	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
50) Toluene-d8	8.72	98	589372	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.14	95	199188	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

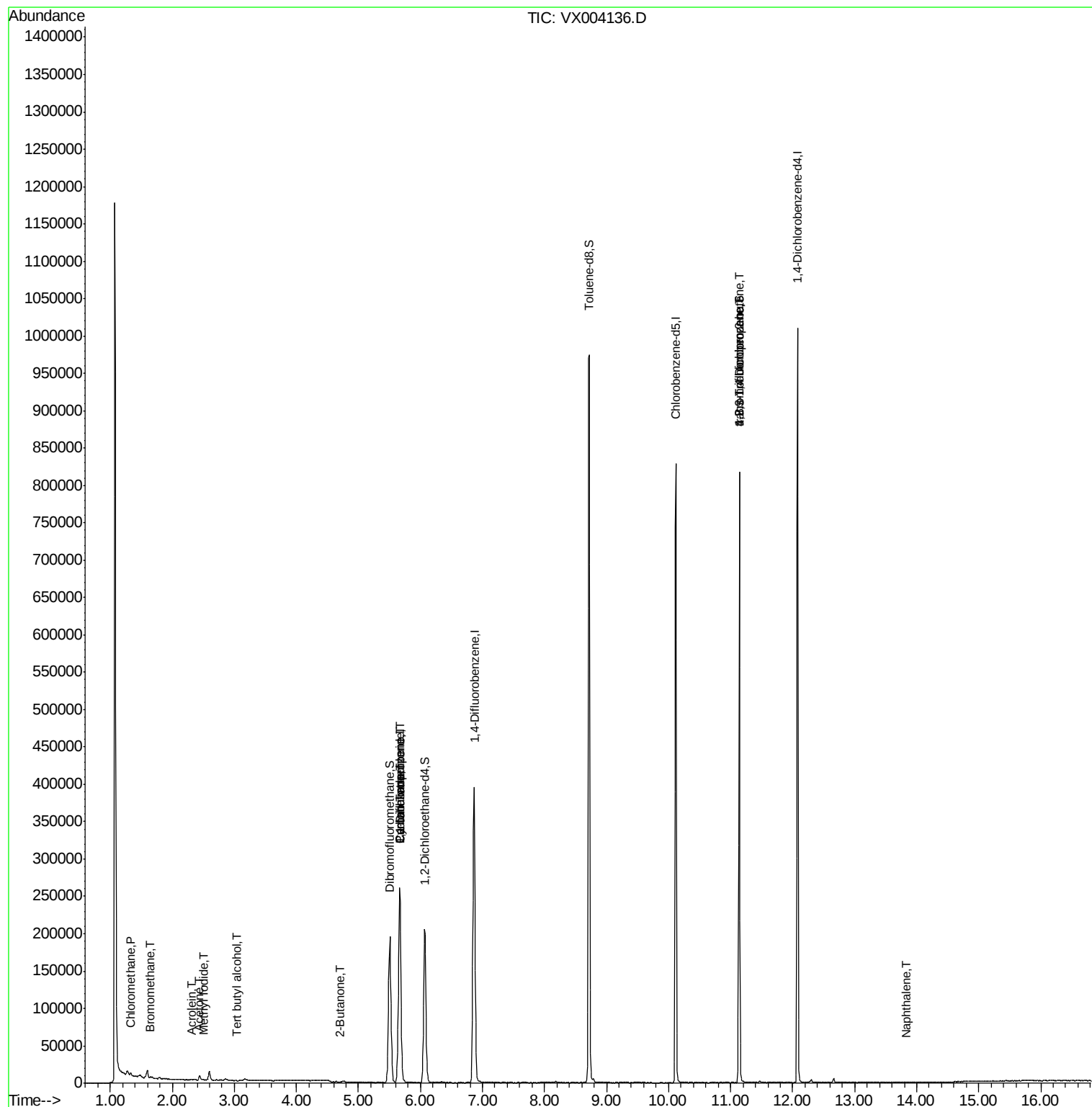
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	5267	1.68	ug/l	92
5) Bromomethane	1.65	94	919	0.36	ug/l	85
6) Chloroethane	1.75	64	795	Below Cal	#	79
10) Methyl Iodide	2.51	142	375	5.12	ug/l #	84
11) Tert butyl alcohol	3.04	59	305	0.41	ug/l #	73
13) Acrolein	2.31	56	92	11.12	ug/l #	1
16) Acetone	2.43	43	6169	3.21	ug/l	99
20) Methylene Chloride	2.86	84	841	Below Cal		91
25) 2-Butanone	4.70	43	1086	0.35	ug/l #	88
31) Cyclohexane	5.66	56	4906	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17852	3.85	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23356	5.18	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	96280	22.97	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	96280	71.11	ug/l #	9
95) Naphthalene	13.83	128	246	1.16	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\
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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: VX004136.D

Acq: 17 Aug 2018 17:03

Instrument :

MSVOA_X

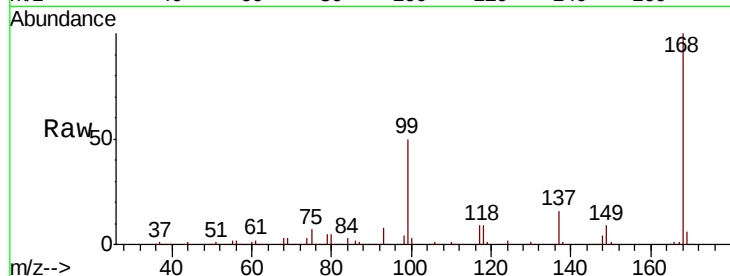
ClientSampleId :

Tot Ion:168 Resp: 262207

Ion Ratio Lower Upper

168 100

99 49.8 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

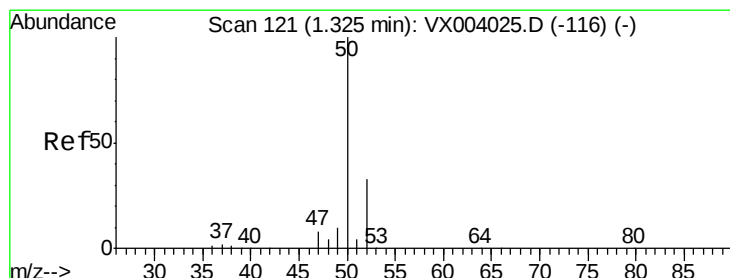
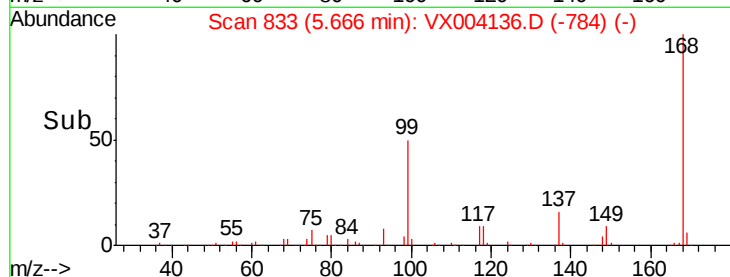
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.68 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004136.D

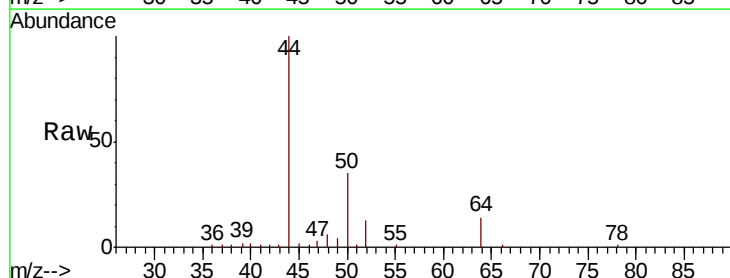
Acq: 17 Aug 2018 17:03

Tgt Ion: 50 Resp: 5267

Ion Ratio Lower Upper

50 100

52 37.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

2500

2000

1500

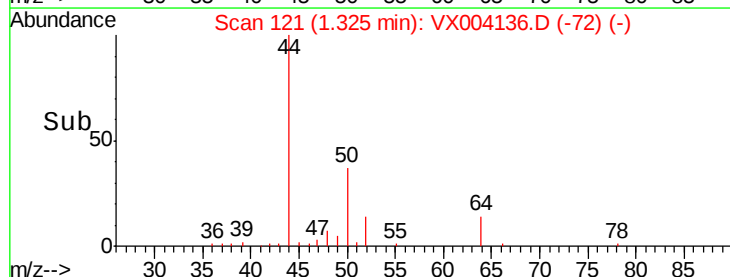
1000

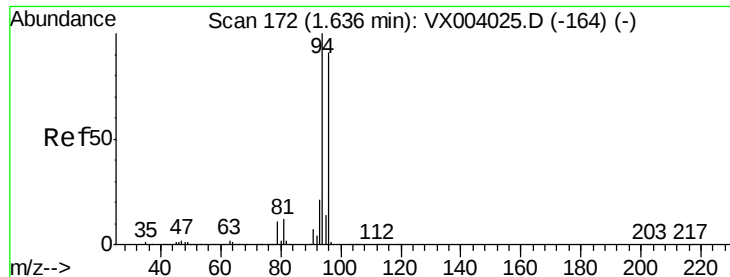
500

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.36 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004136.D

Acq: 17 Aug 2018 17:03

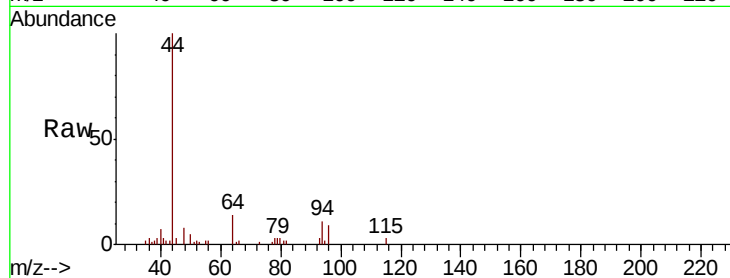
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 919

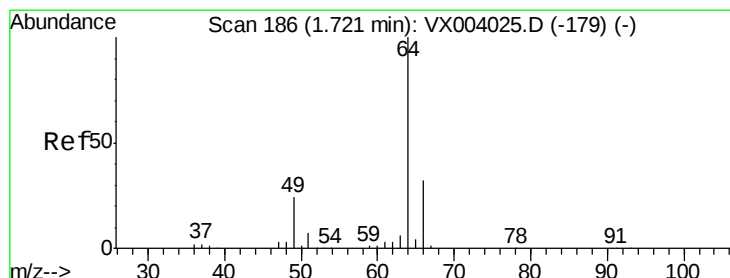
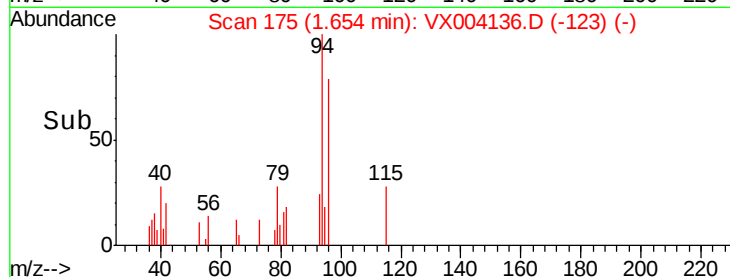
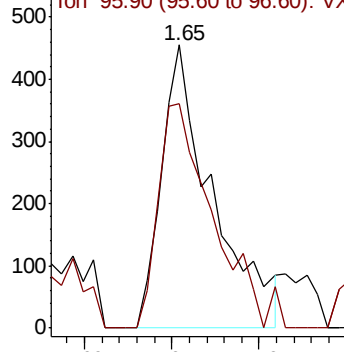
Ion Ratio Lower Upper

94 100

96 79.1 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: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX004136.D

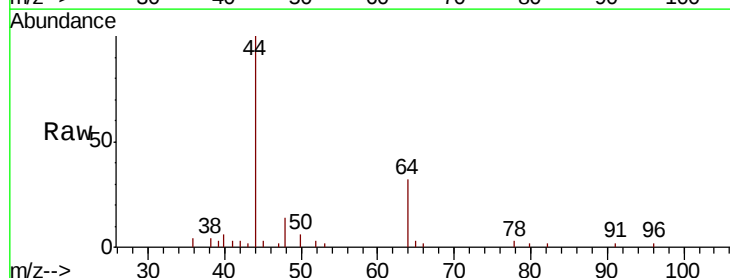
Acq: 17 Aug 2018 17:03

Tgt Ion: 64 Resp: 795

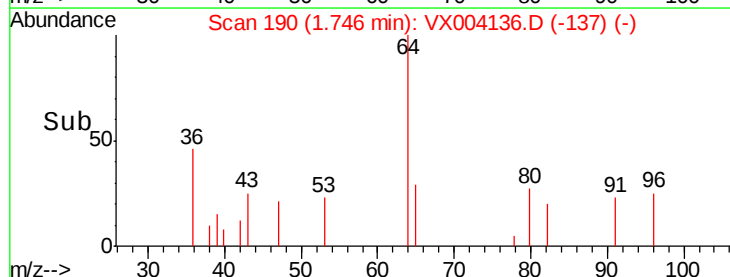
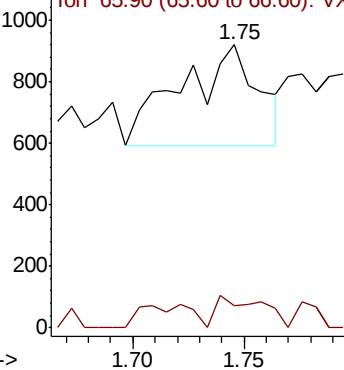
Ion Ratio Lower Upper

64 100

66 21.3 26.5 39.7#



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

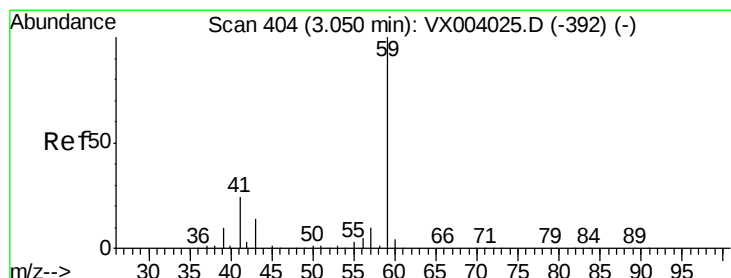
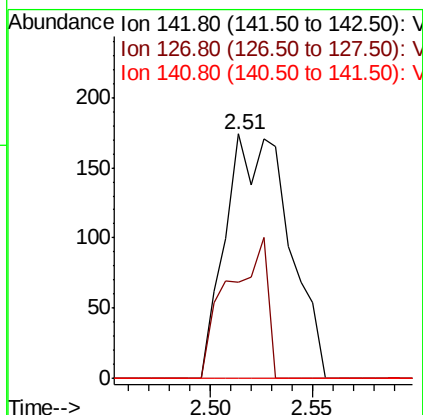
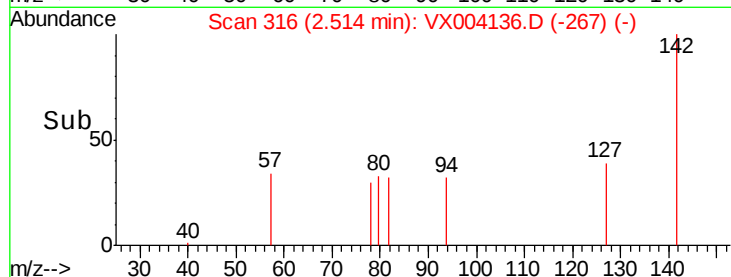
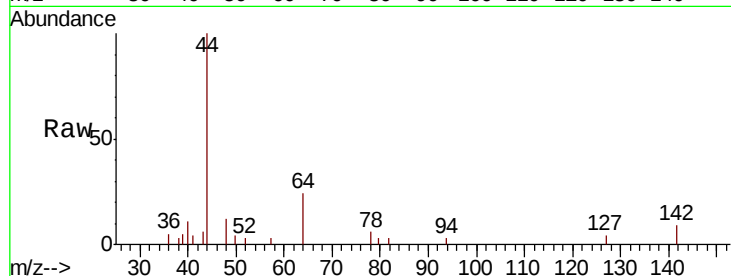




#10
Methyl Iodide
Concen: 5.12 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

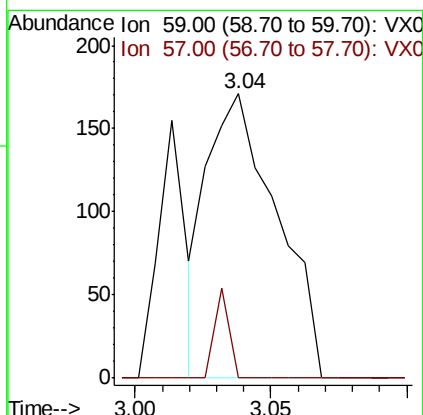
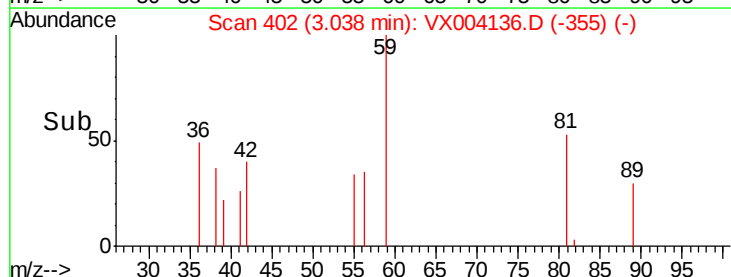
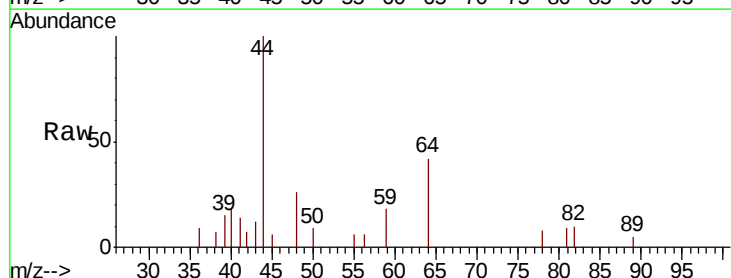
Instrument :
MSVOA_X
ClientSampled :

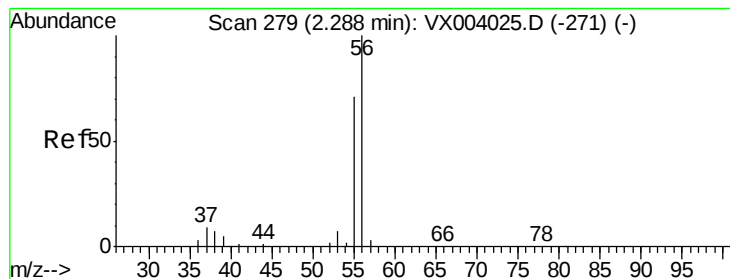
Tot Ion:142 Resp: 375
Ion Ratio Lower Upper
142 100
127 35.5 33.1 49.7
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.41 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 11.12 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX004136.D

Acq: 17 Aug 2018 17:03

Instrument :

MSVOA_X

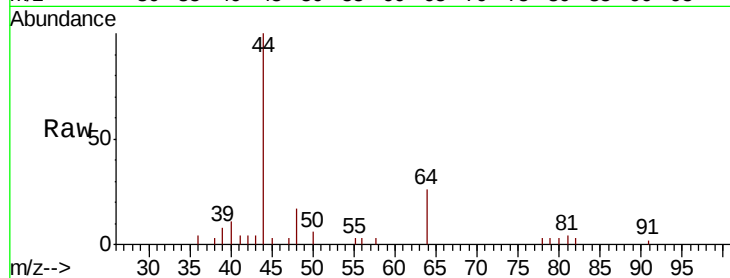
ClientSampleId :

Tot Ion: 56 Resp: 92

Ion Ratio Lower Upper

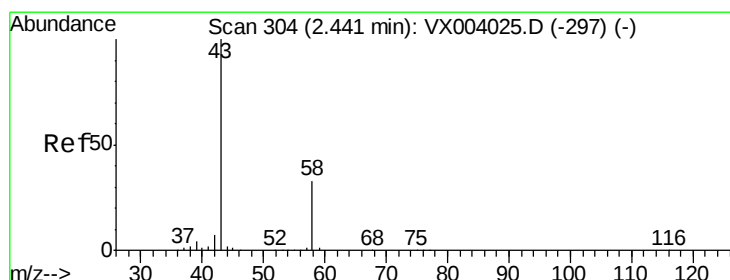
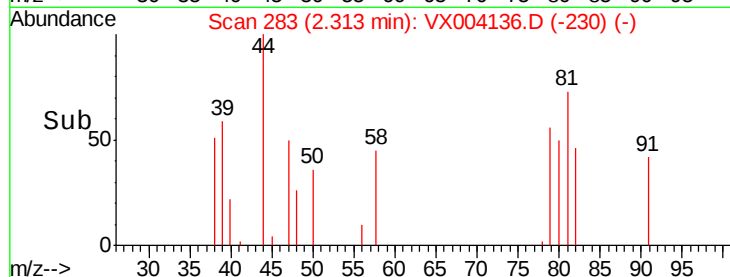
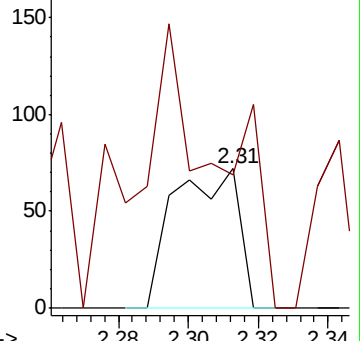
56 100

55 266.3 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: 3.21 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004136.D

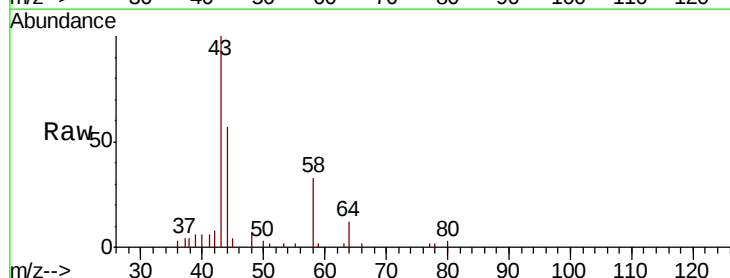
Acq: 17 Aug 2018 17:03

Tgt Ion: 43 Resp: 6169

Ion Ratio Lower Upper

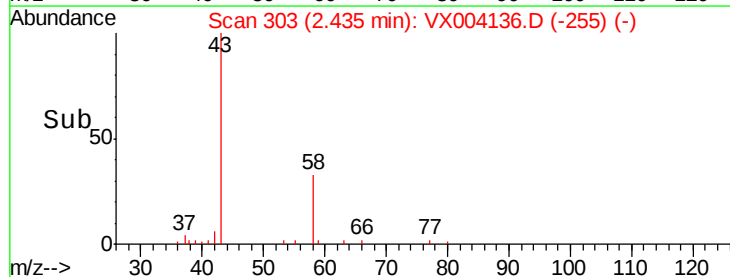
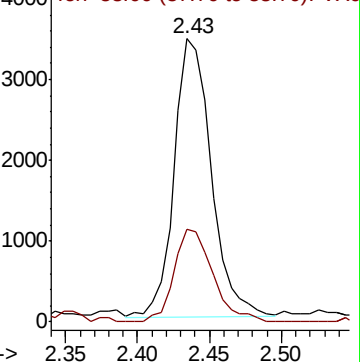
43 100

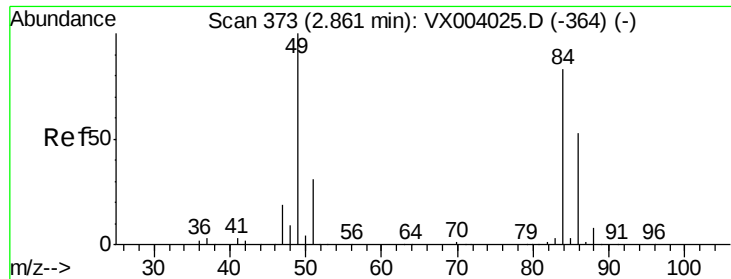
58 33.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

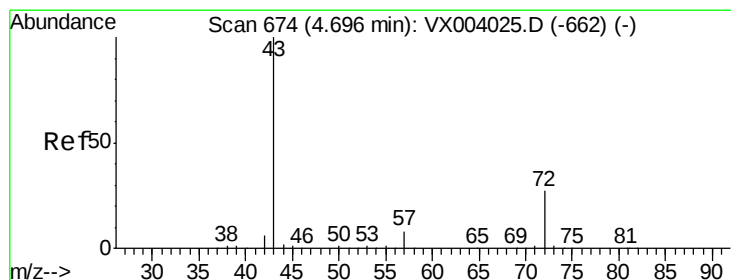
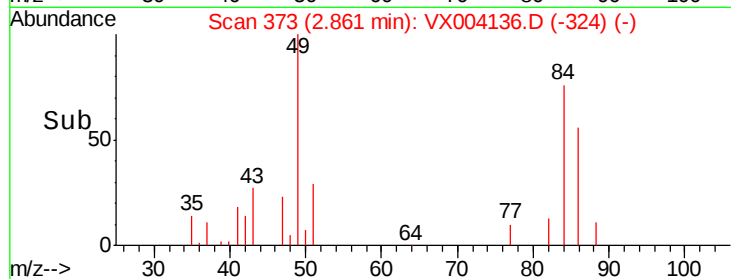
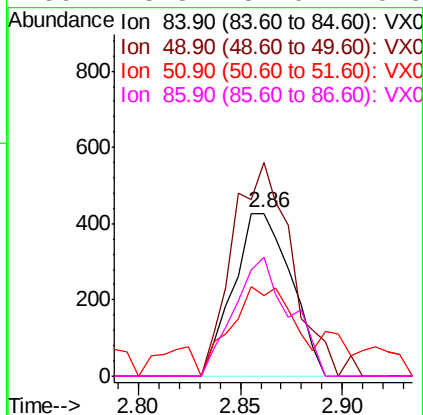
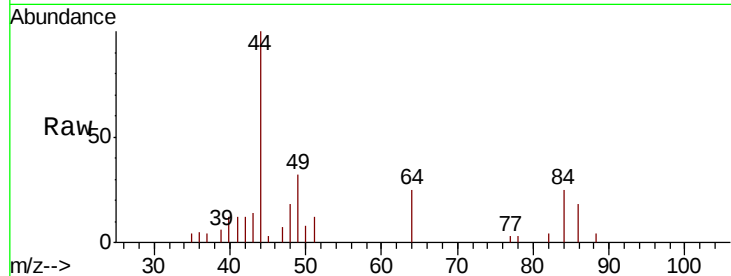




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

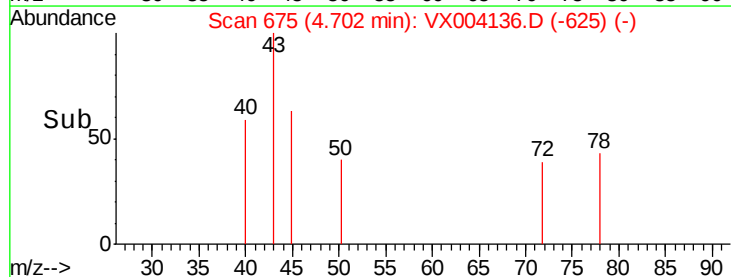
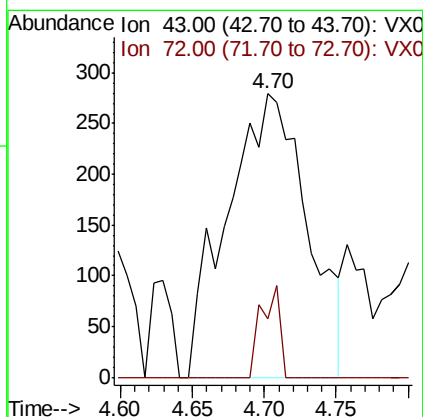
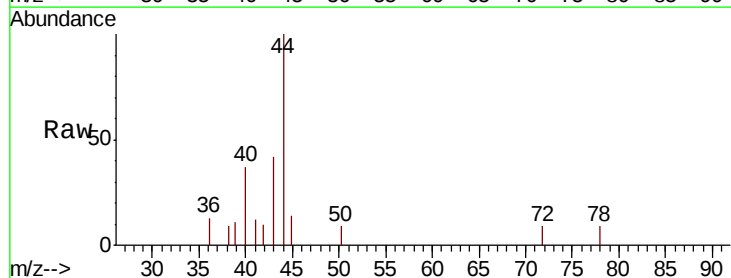
Instrument :
MSVOA_X
ClientSampleId :

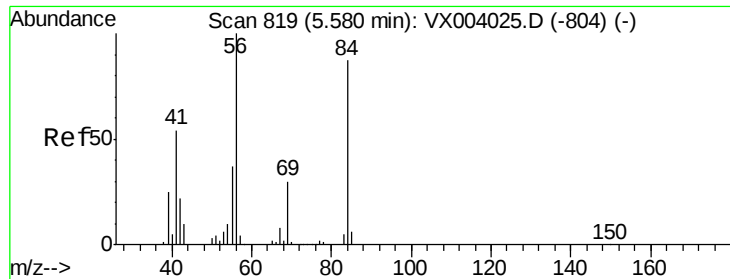
Tot Ion:	84	Resp:	841
Ion	Ratio	Lower	Upper
84	100		
49	131.1	98.9	148.3
51	31.4	29.9	44.9
86	73.3	51.0	76.6



#25
2-Butanone
Concen: 0.35 ug/l
RT: 4.70 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

Tgt Ion:	43	Resp:	1086
Ion	Ratio	Lower	Upper
43	100		
72	20.4	21.4	32.0#

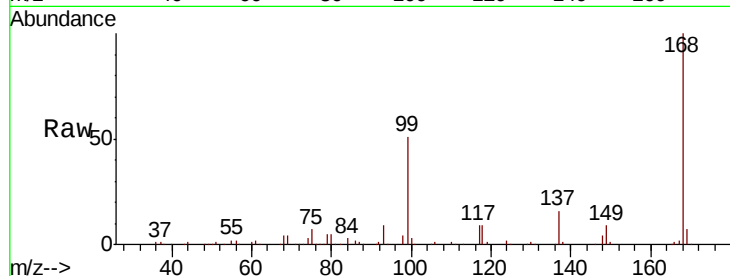




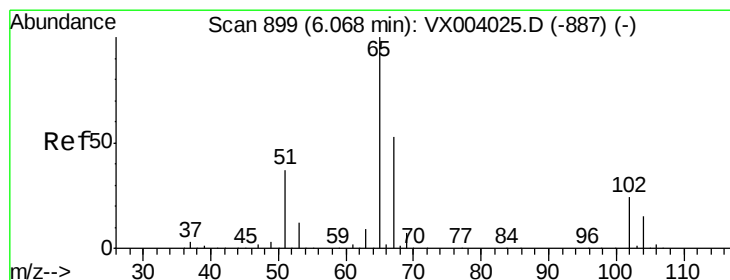
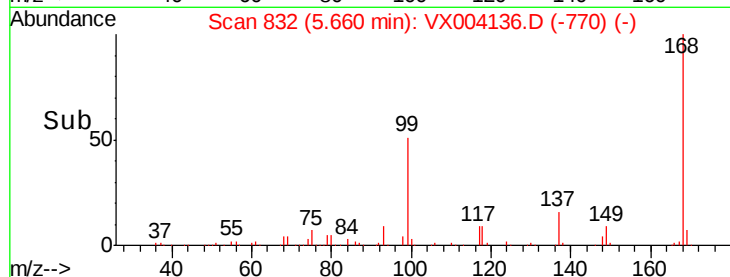
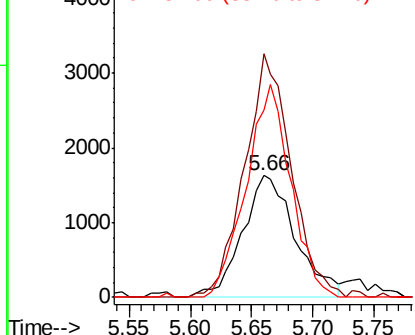
#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 4906
Ion Ratio Lower Upper
56 100
69 200.1 24.9 37.3#
84 153.4 71.7 107.5#

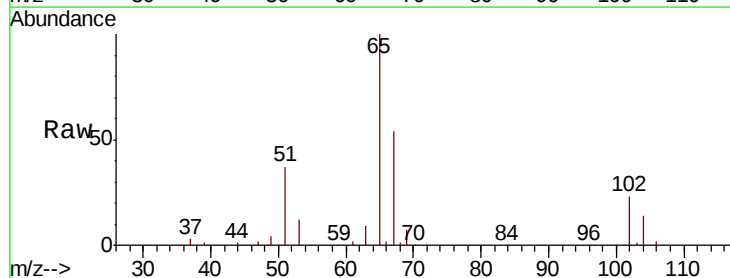


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

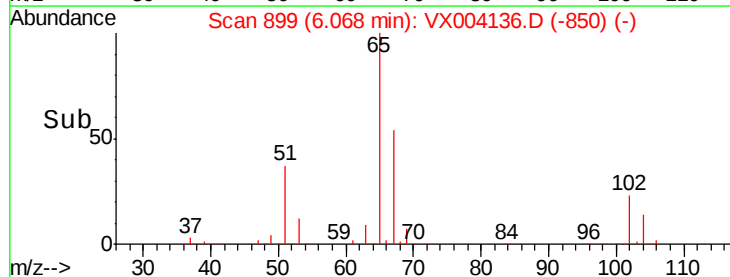
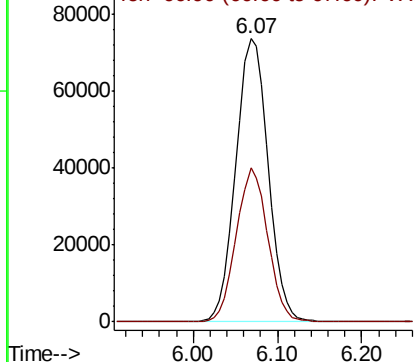


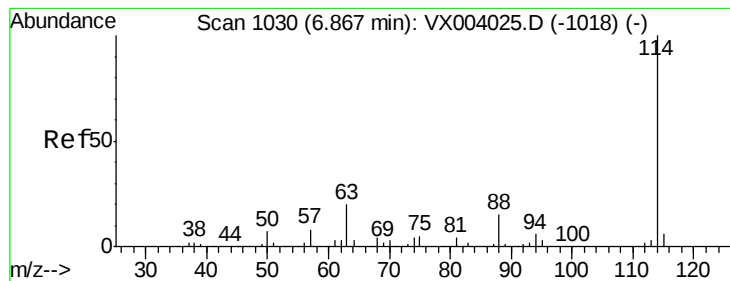
#33
1,2-Dichloroethane-d4
Concen: 51.86 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

Tgt Ion: 65 Resp: 191578
Ion Ratio Lower Upper
65 100
67 52.9 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: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX004136.D

Acq: 17 Aug 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

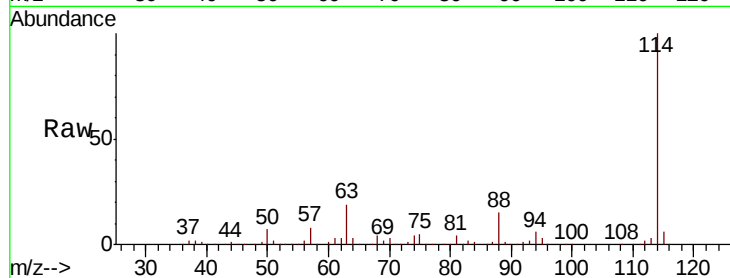
Tot Ion:114 Resp: 407513

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

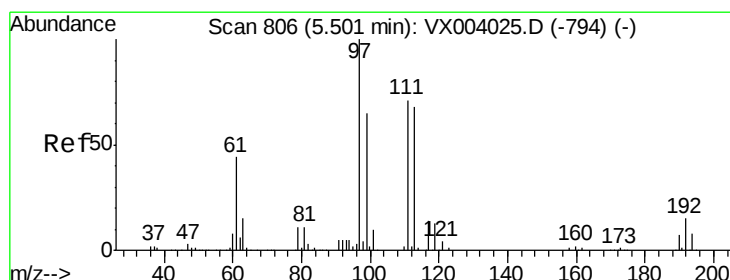
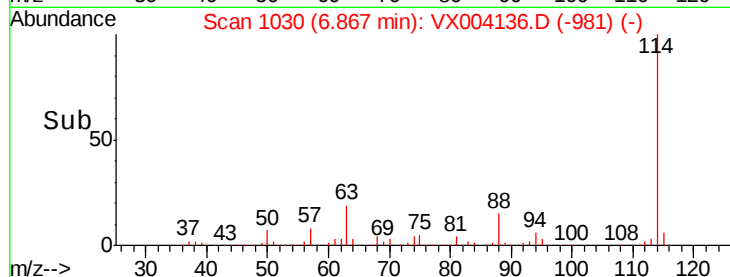
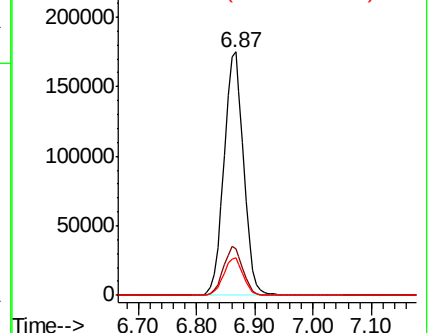
88 15.5 0.0 32.0



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: 53.64 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004136.D

Acq: 17 Aug 2018 17:03

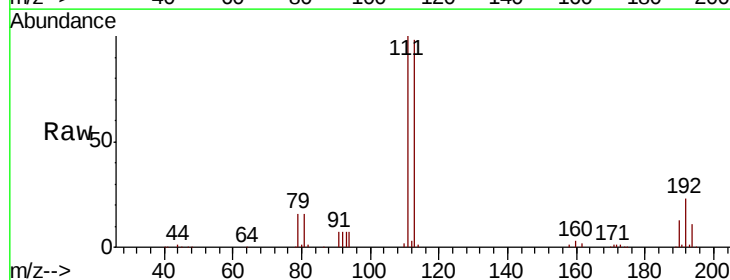
Tgt Ion:113 Resp: 163612

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

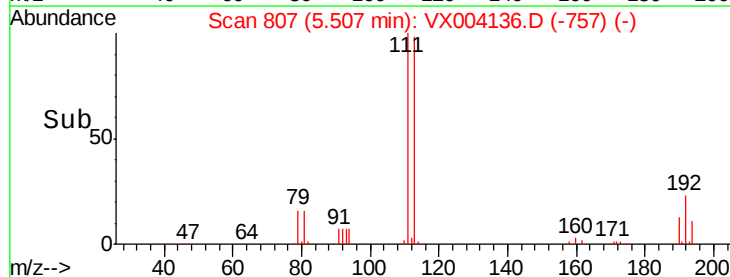
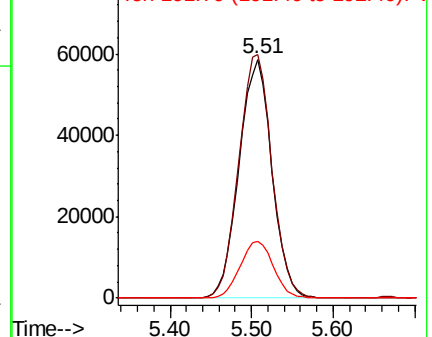
192 24.2 19.0 28.4

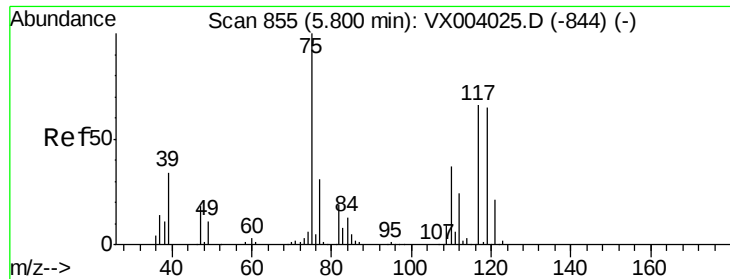


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.85 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004136.D

Acq: 17 Aug 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

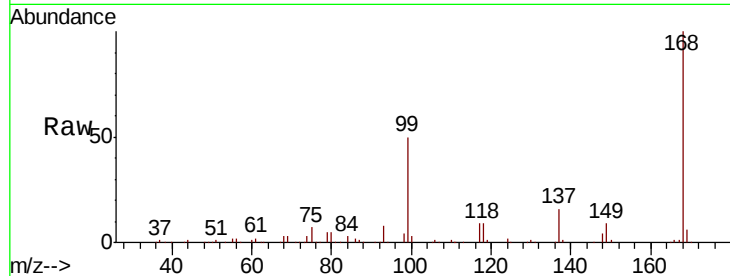
Tot Ion: 75 Resp: 17852

Ion Ratio Lower Upper

75 100

110 9.4 18.2 54.6#

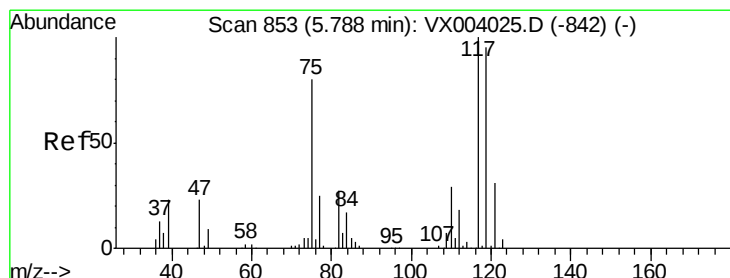
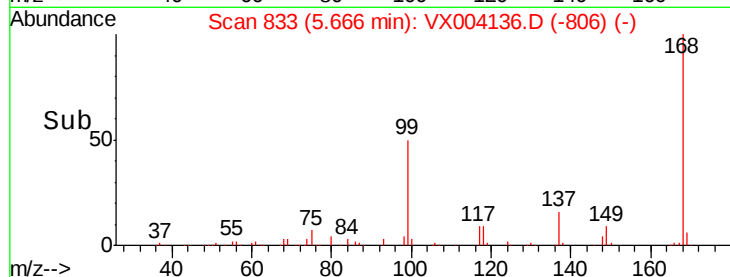
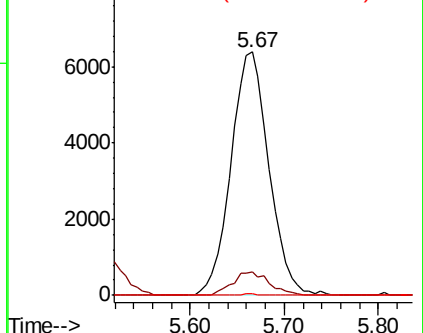
77 0.2 25.0 37.4#



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: 5.18 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004136.D

Acq: 17 Aug 2018 17:03

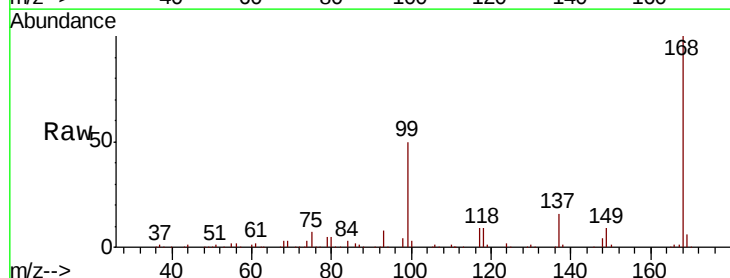
Tgt Ion: 117 Resp: 23356

Ion Ratio Lower Upper

117 100

119 5.9 79.5 119.3#

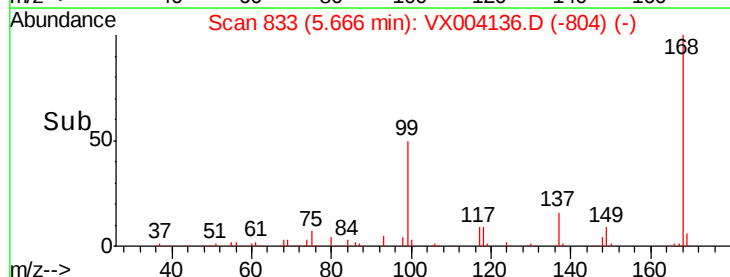
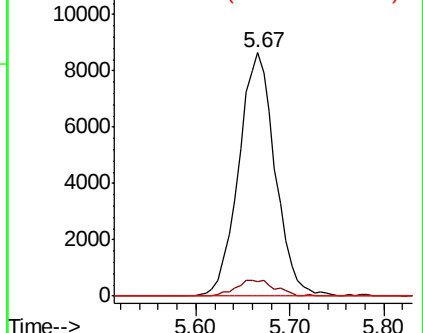
121 0.0 25.0 37.4#

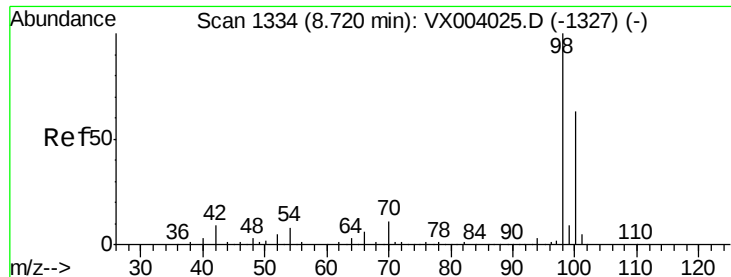


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

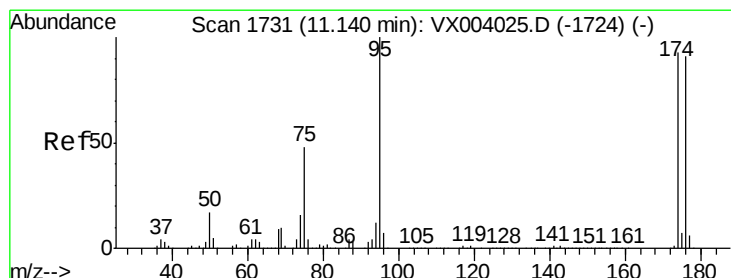
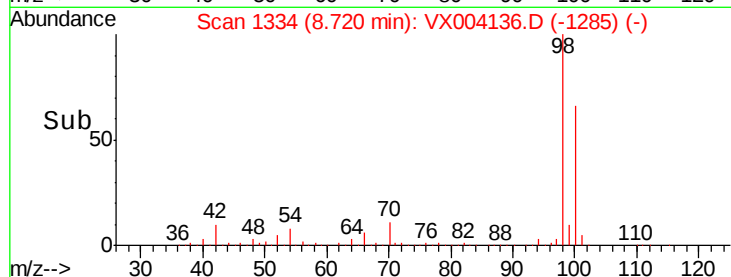
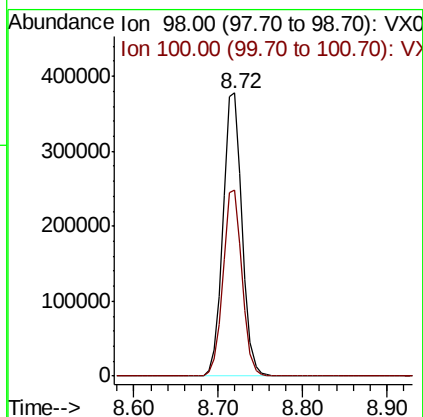
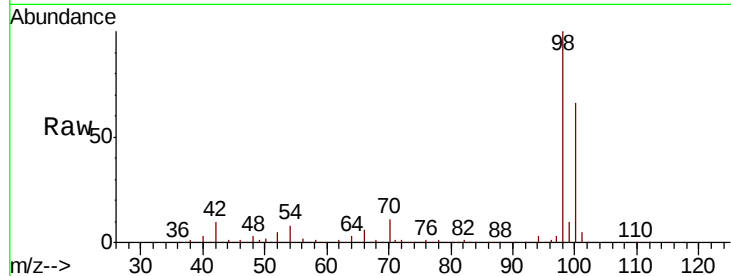




#50
Toluene-d8
Concen: 47.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

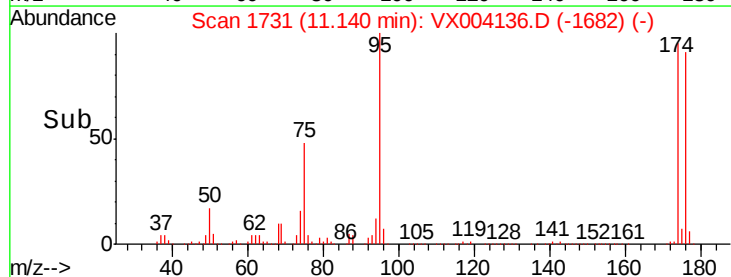
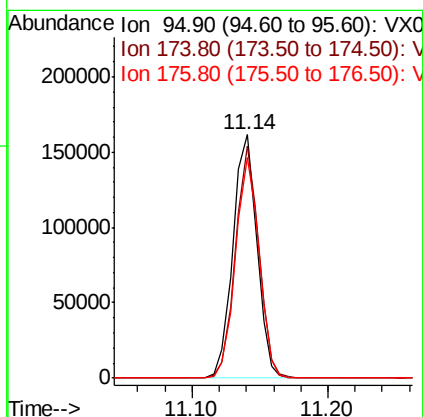
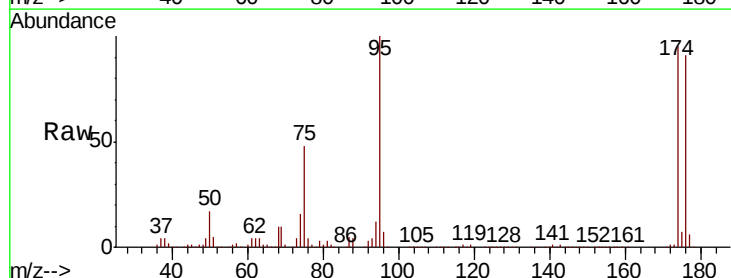
Instrument :
MSVOA_X
ClientSampleId :

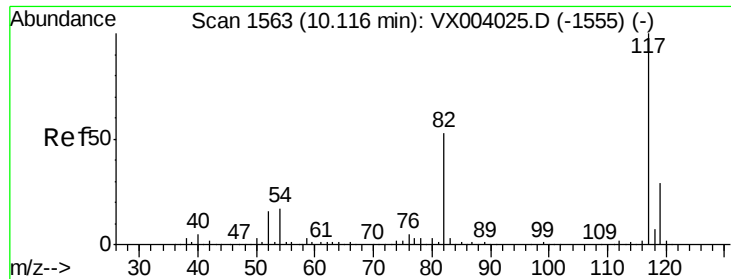
Tot Ion: 98 Resp: 589372
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.41 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX004136.D
Acq: 17 Aug 2018 17:03

Tgt Ion: 95 Resp: 199188
Ion Ratio Lower Upper
95 100
174 93.1 0.0 182.8
176 89.0 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: VX004136.D

Acq: 17 Aug 2018 17:03

Instrument :

MSVOA_X

ClientSampled :

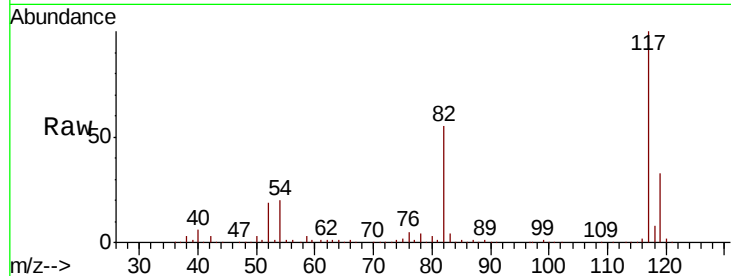
Tot Ion:117 Resp: 384002

Ion Ratio Lower Upper

117 100

82 55.5 45.4 68.0

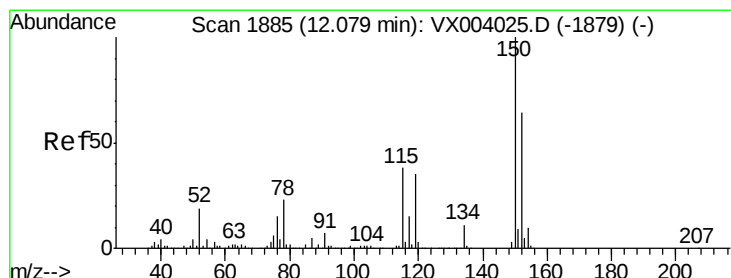
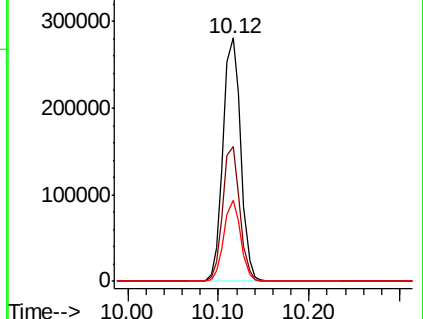
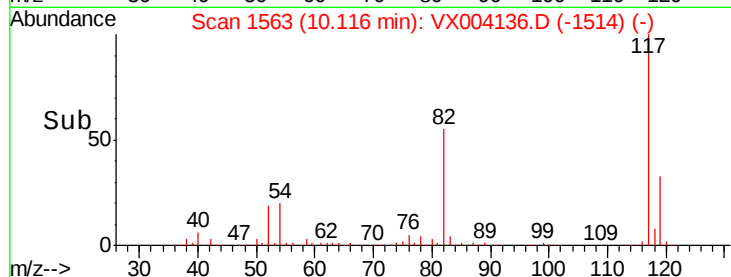
119 33.1 26.6 40.0



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: VX004136.D

Acq: 17 Aug 2018 17:03

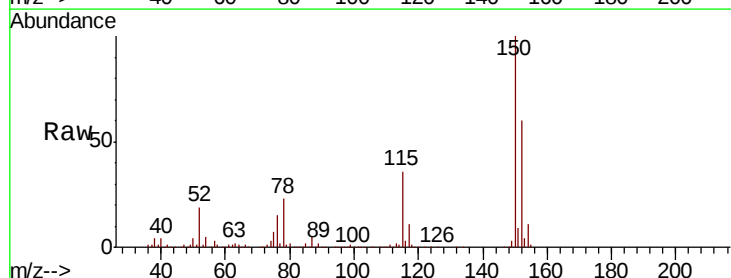
Tgt Ion:152 Resp: 208999

Ion Ratio Lower Upper

152 100

115 56.5 39.1 117.3

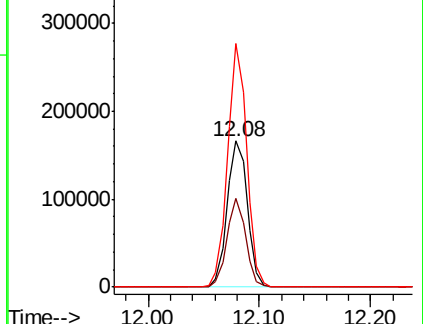
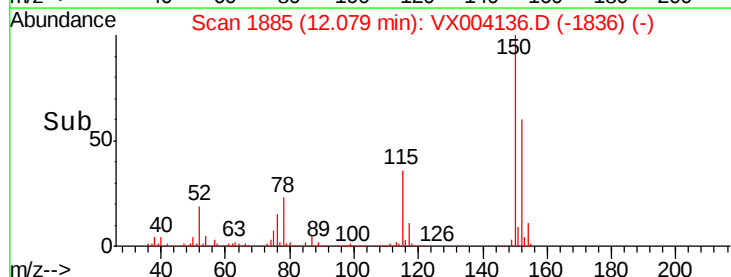
150 157.5 0.0 349.2

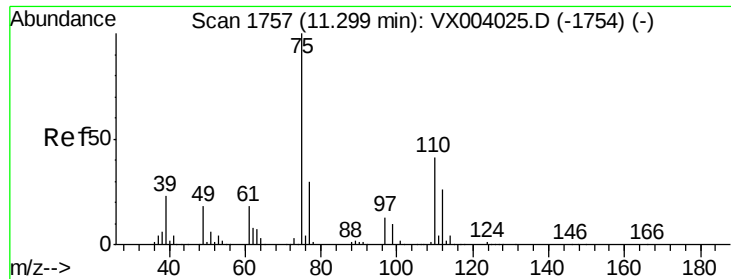


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

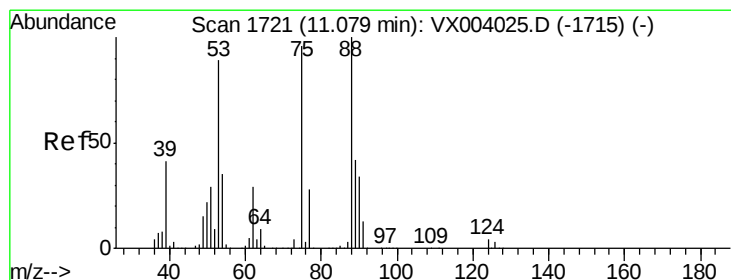
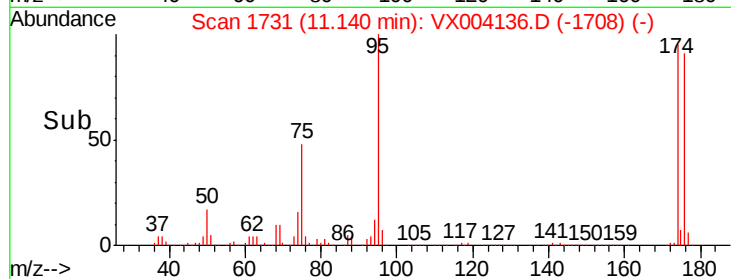
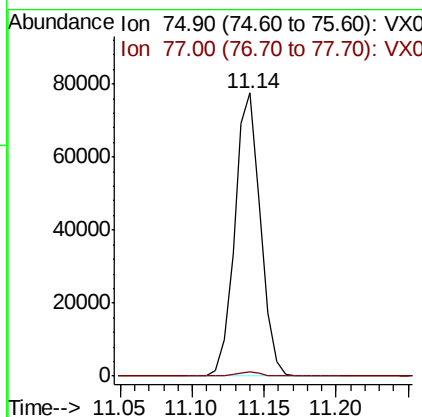
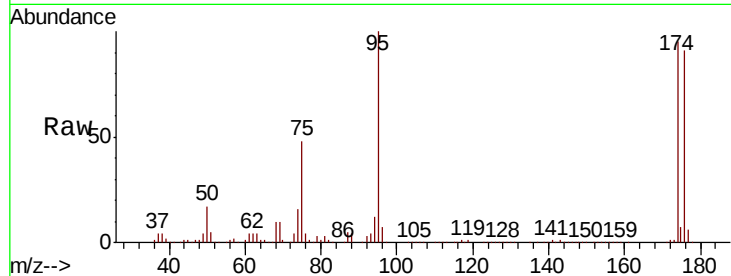




#76
 1,2,3-Trichloropropane
 Concen: 22.97 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004136.D
 Acq: 17 Aug 2018 17:03

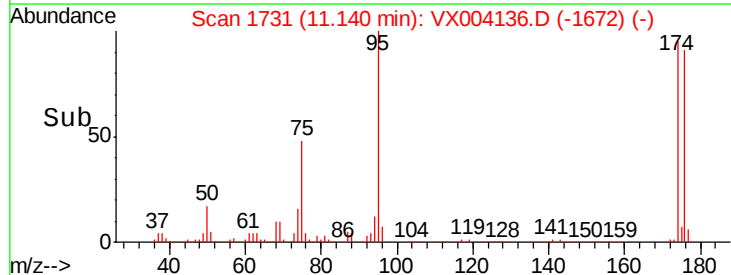
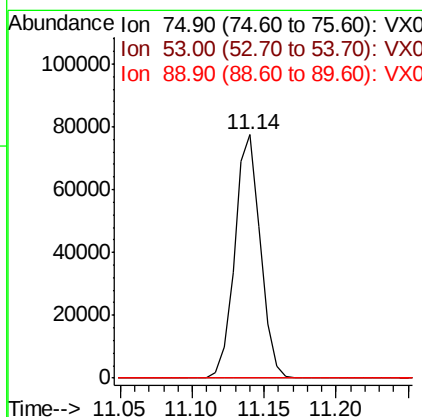
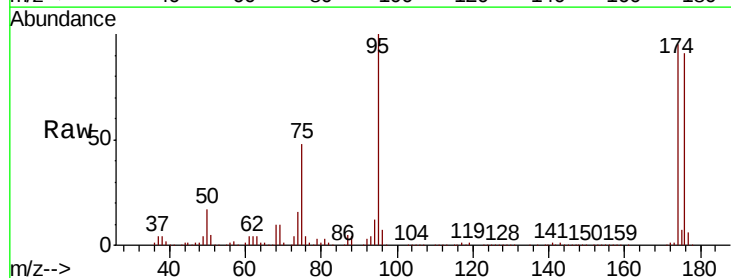
Instrument :
 MSVOA_X
 ClientSampleId :

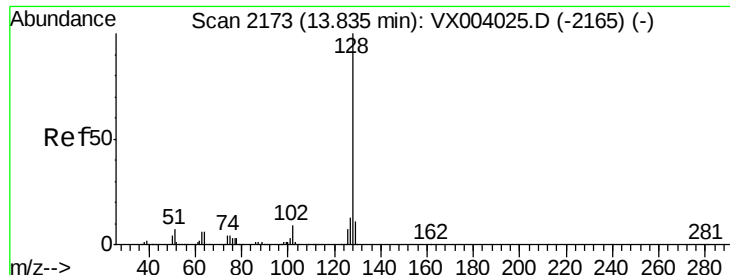
Tot Ion: 75 Resp: 96280
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.11 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004136.D
 Acq: 17 Aug 2018 17:03

Tgt Ion: 75 Resp: 96280
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.3 120.5#
 89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.16 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004136.D

Acq: 17 Aug 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

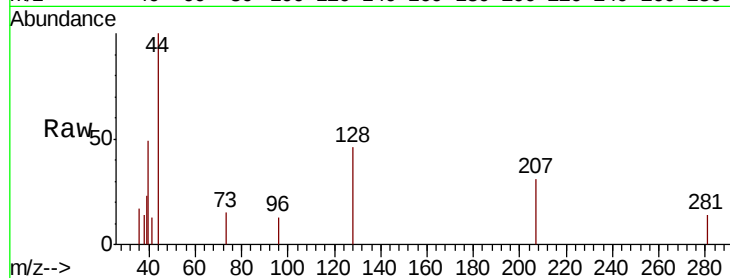
Tot Ion:128 Resp: 246

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

250 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

200

150

100

50

0

13.80

13.83

13.85

Time-->

