

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003003.D
 Acq On : 28 Jun 2018 23:12
 Operator : JC/MD
 Sample : J3736-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2-AVE-15

Quant Time: Jun 29 05:59:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	47914	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	261207	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	235618	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.07	65	110777	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%	
60) 4-Bromofluorobenzene		11.14	95	107544	27.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.13%	
63) Toluene-d8		8.72	98	301021	29.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.50%	

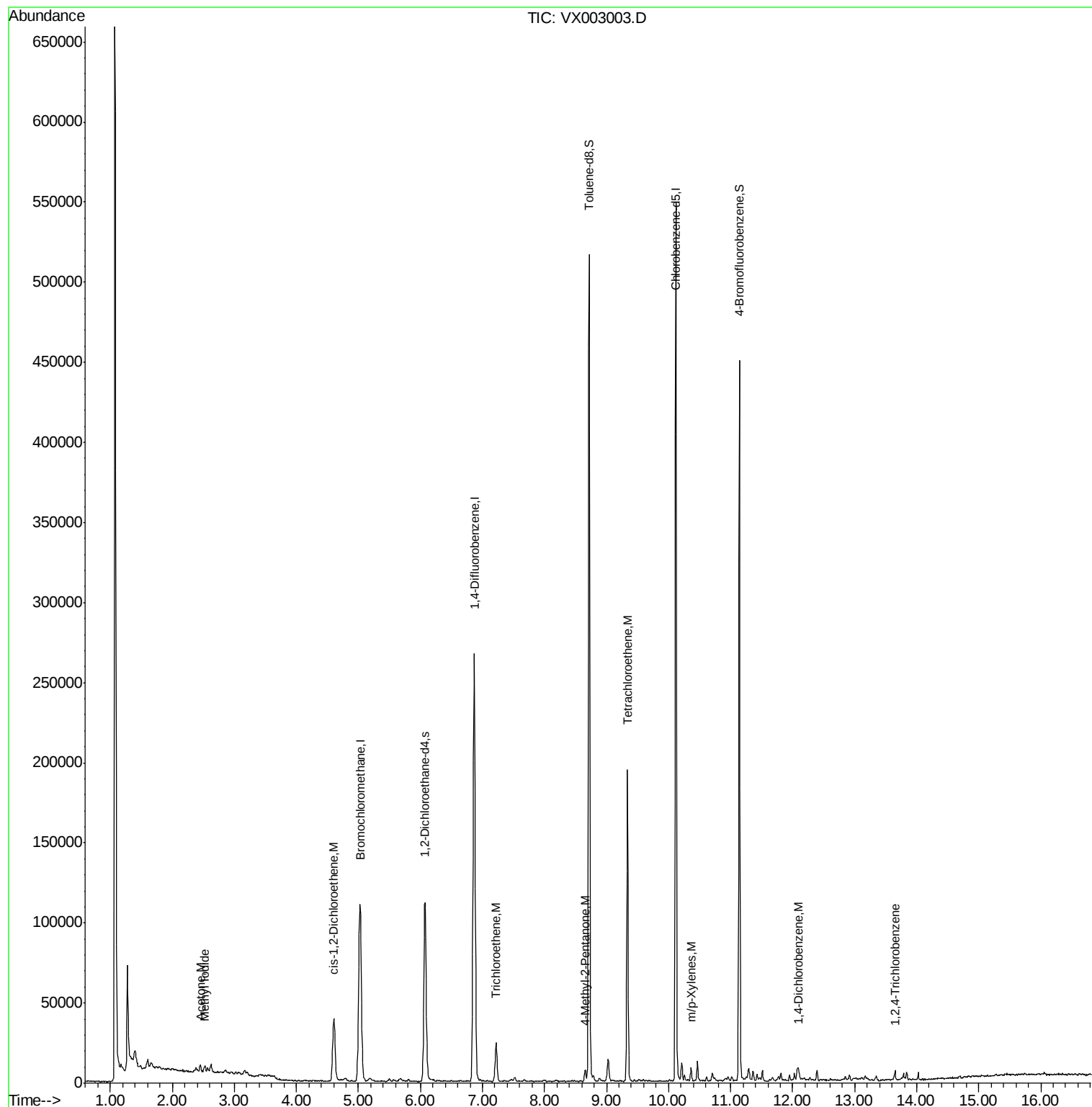
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Methyl Iodide	2.53	142	3751	1.31	ug/l	95
15) Acetone	2.45	58	1627	3.87	ug/l	90
22) cis-1,2-Dichloroethene	4.60	96	23785	8.33	ug/l #	76
37) Trichloroethene	7.22	130	9189	3.00	ug/l	95
58) 4-Methyl-2-Pentanone	8.66	43	4110	1.03	ug/l	94
61) Tetrachloroethene	9.34	164	39169	12.11	ug/l	98
67) m/p-Xylenes	10.37	106	1941	0.39	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	1476	0.21	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	1212	0.23	ug/l	95

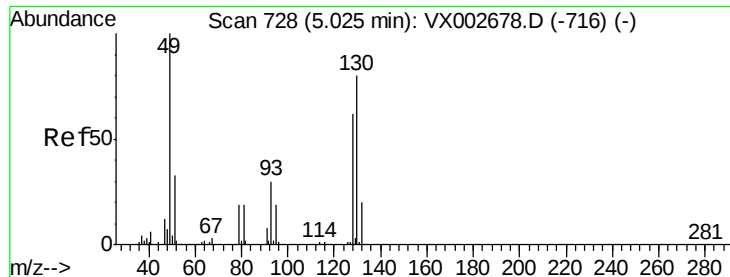
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062818\
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Acq On : 28 Jun 2018 23:12
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MSVOA_X
ClientSampleId :
2-AVE-15

Quant Time: Jun 29 05:59:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 18 15:18:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

2-AVE-15

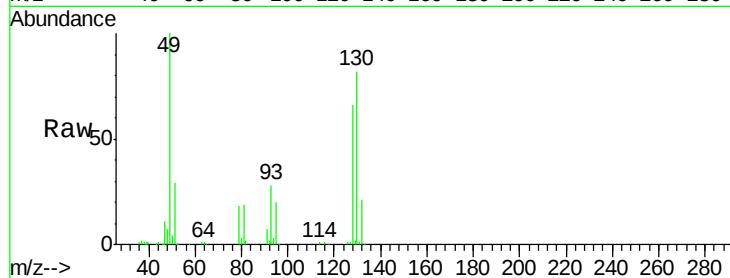
Tot Ion:128 Resp: 47914

Ion Ratio Lower Upper

128 100

49 155.4 0.0 423.0

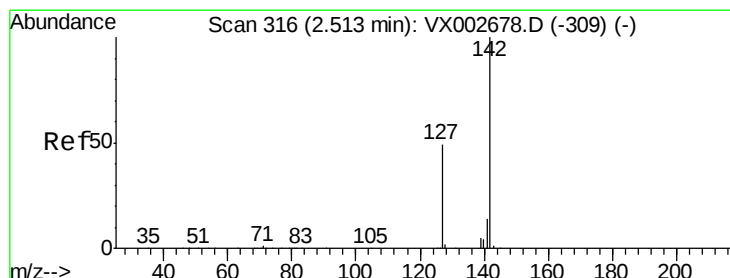
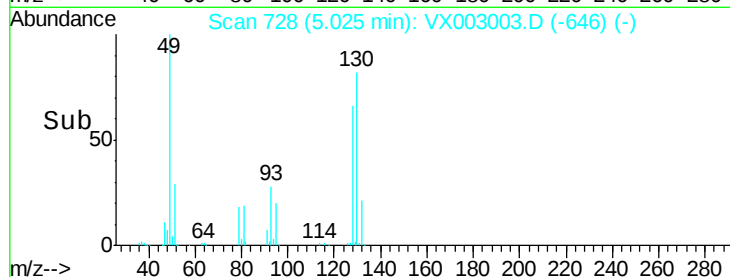
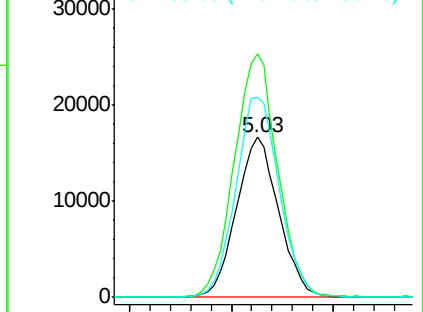
130 129.2 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 1.31 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

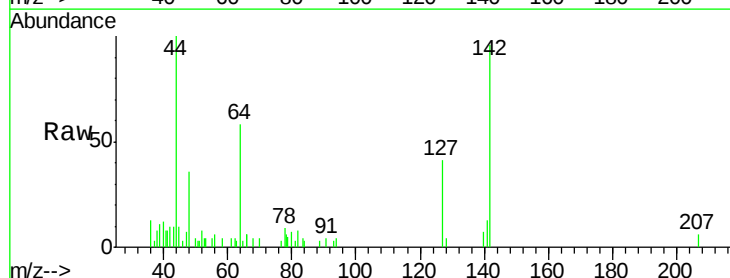
Tgt Ion:142 Resp: 3751

Ion Ratio Lower Upper

142 100

127 42.2 23.2 69.6

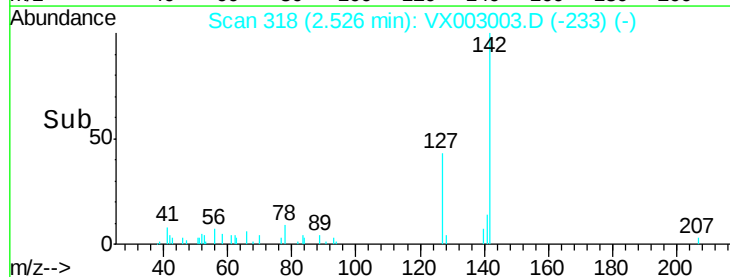
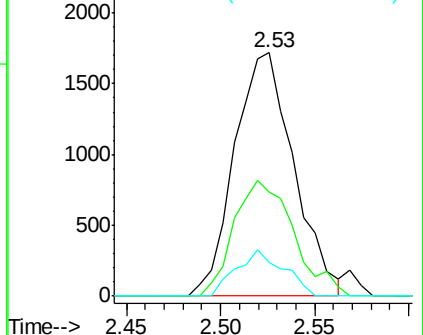
141 14.5 7.4 22.2

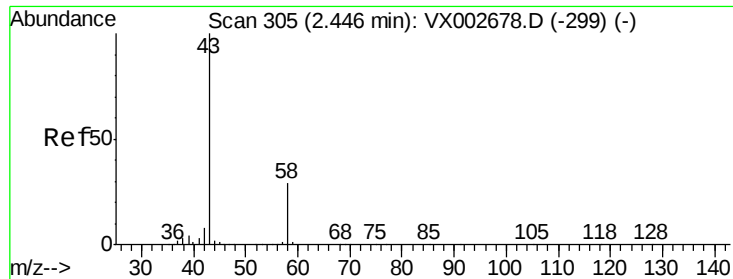


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#15

Acetone

Concen: 3.87 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

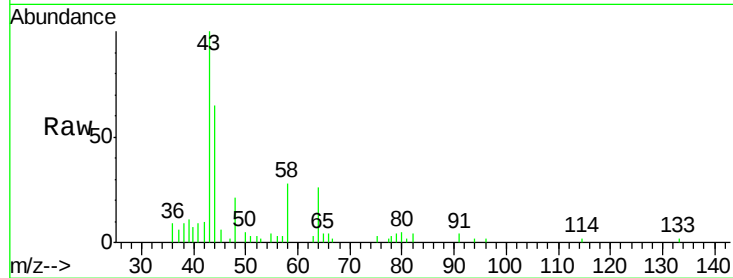
2-AVE-15

Tot Ion: 58 Resp: 1627

Ion Ratio Lower Upper

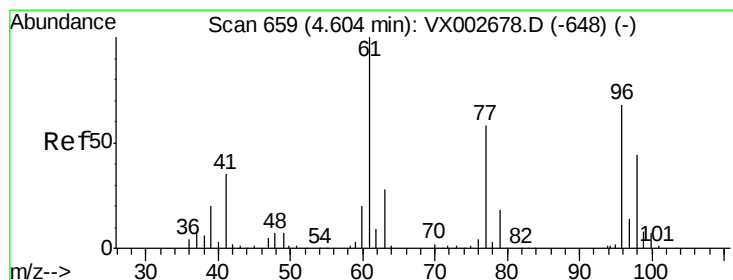
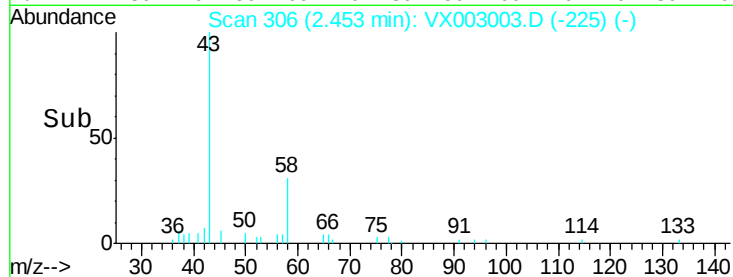
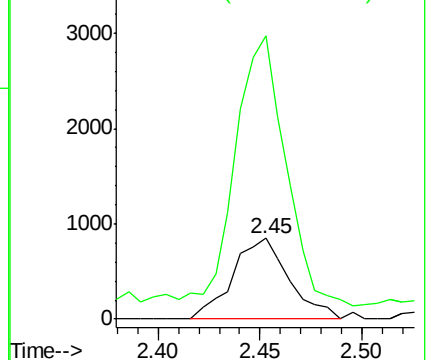
58 100

43 327.2 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 8.33 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

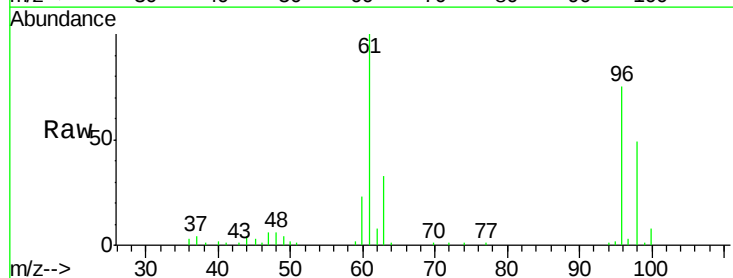
Tgt Ion: 96 Resp: 23785

Ion Ratio Lower Upper

96 100

61 153.2 160.2 240.2#

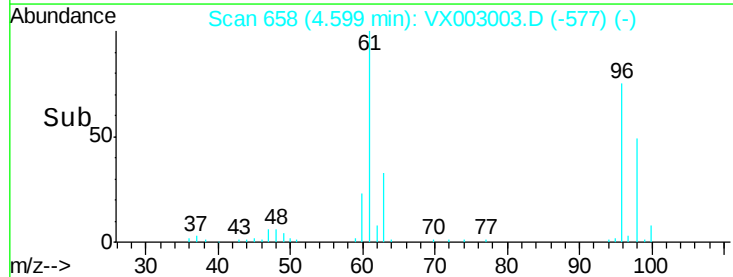
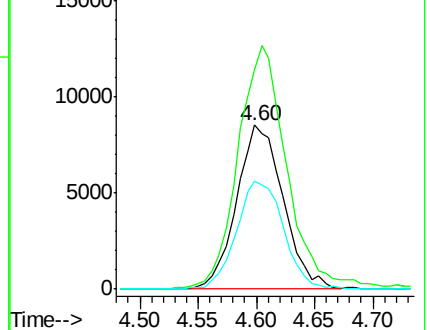
98 66.4 54.1 81.1

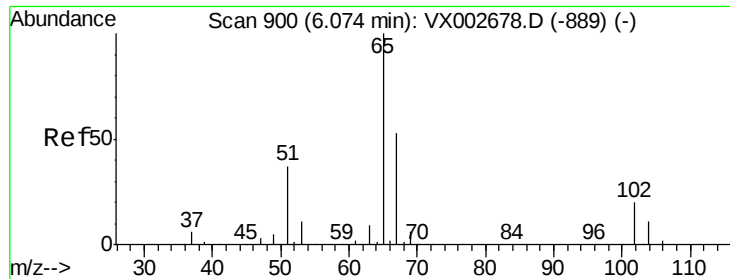


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.28 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

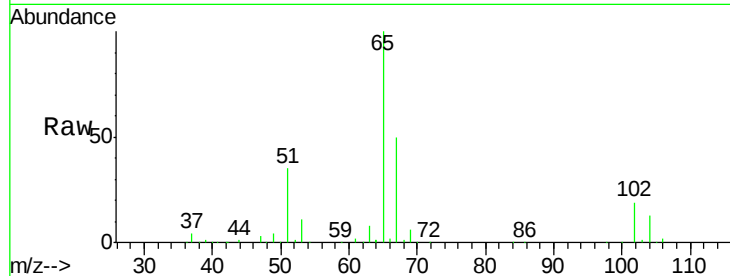
2-AVE-15

Tot Ion: 65 Resp: 110777

Ion Ratio Lower Upper

65 100

67 51.2 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

40000

30000

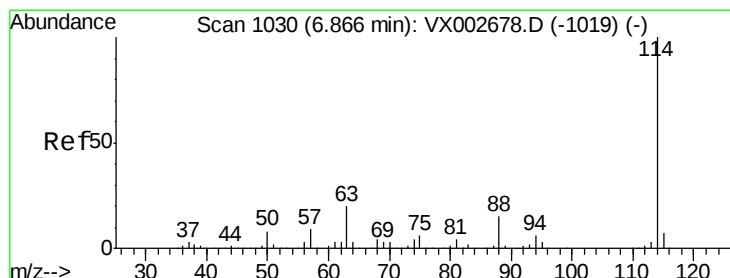
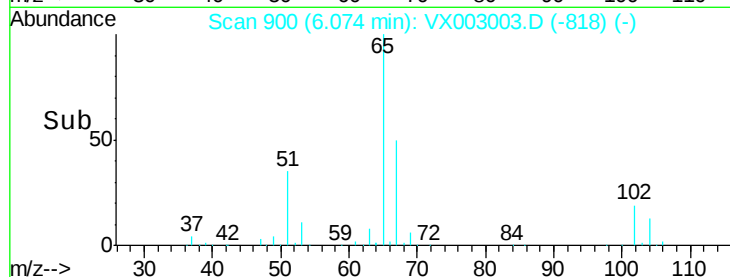
20000

10000

0

Time-->

6.00 6.10 6.20



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

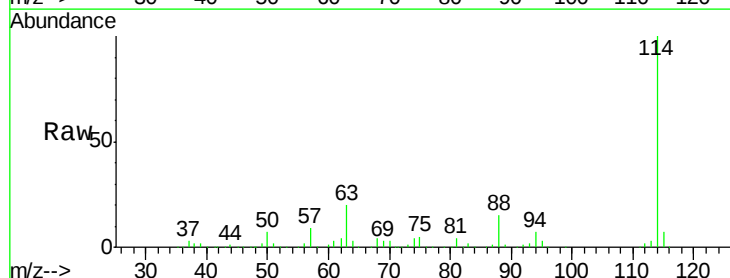
Tgt Ion: 114 Resp: 261207

Ion Ratio Lower Upper

114 100

63 20.2 17.1 25.7

88 15.1 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

150000

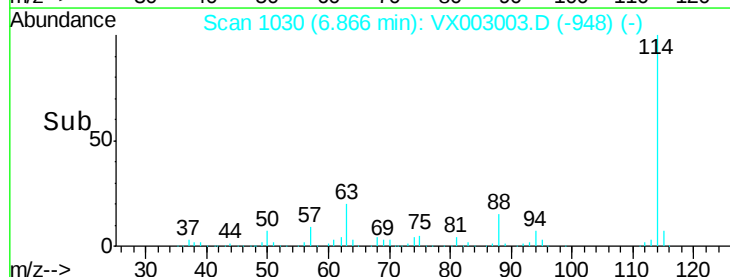
100000

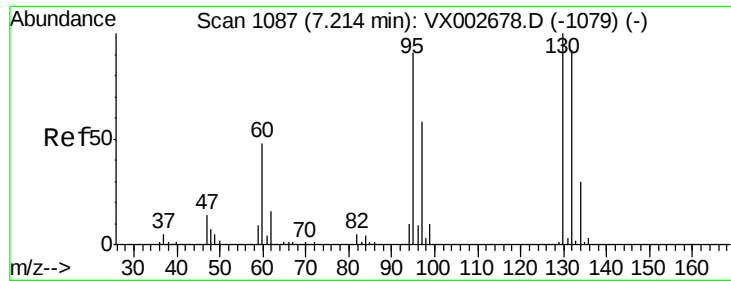
50000

0

Time-->

6.80 6.90 7.00

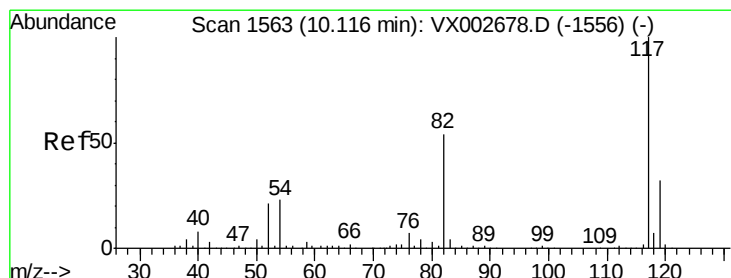
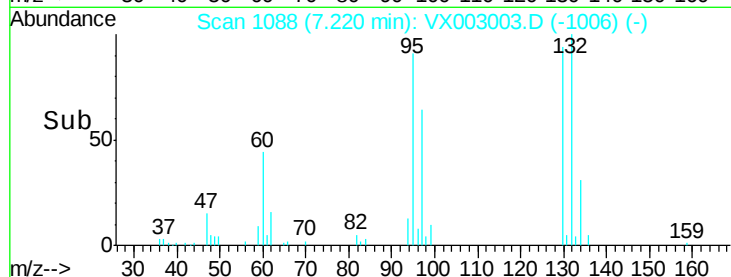
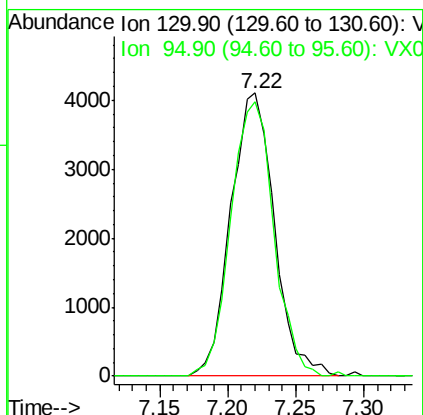
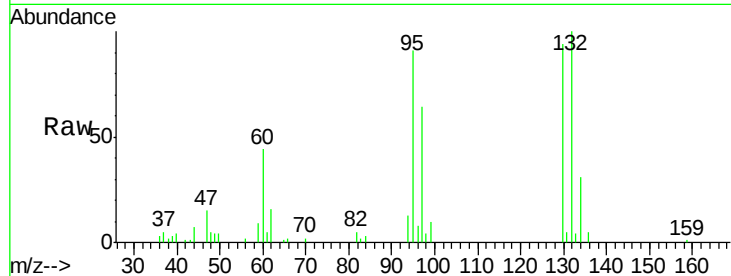




#37
 Trichloroethene
 Concen: 3.00 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX003003.D
 Acq: 28 Jun 2018 23:12

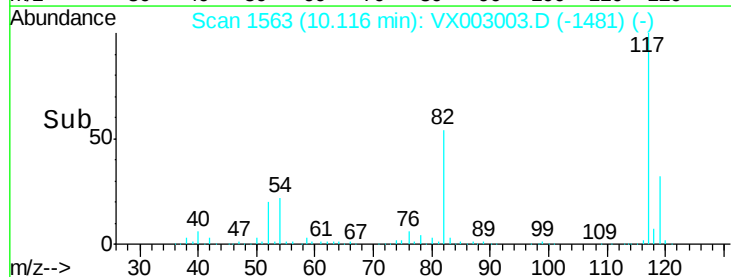
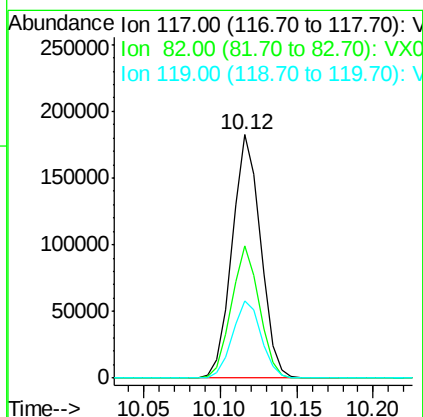
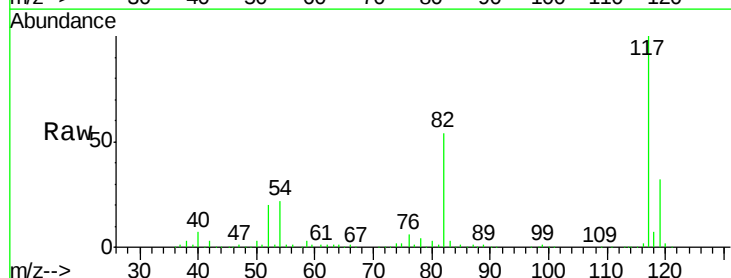
Instrument :
 MSVOA_X
 ClientSampleId :
 2-AVE-15

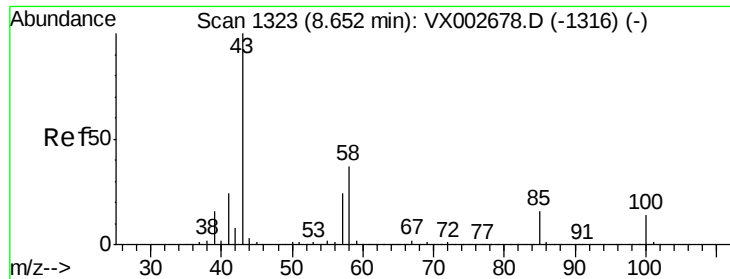
Tot Ion:130 Resp: 9189
 Ion Ratio Lower Upper
 130 100
 95 97.1 81.5 122.3



#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX003003.D
 Acq: 28 Jun 2018 23:12

Tgt Ion:117 Resp: 235618
 Ion Ratio Lower Upper
 117 100
 82 53.3 44.3 66.5
 119 32.2 25.7 38.5





#58

4-Methyl-2-Pentanone

Concen: 1.03 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

2-AVE-15

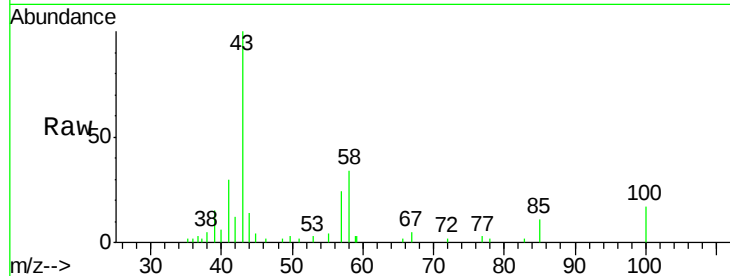
Tot Ion: 43 Resp: 4110

Ion Ratio Lower Upper

43 100

58 39.7 28.2 42.4

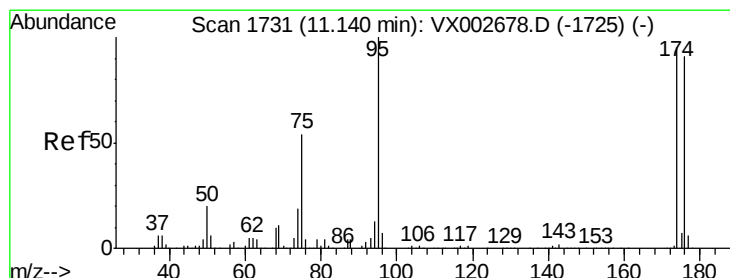
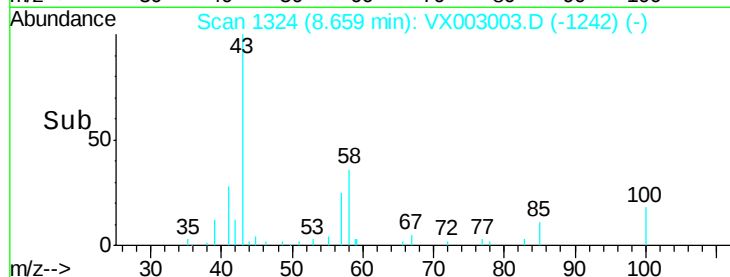
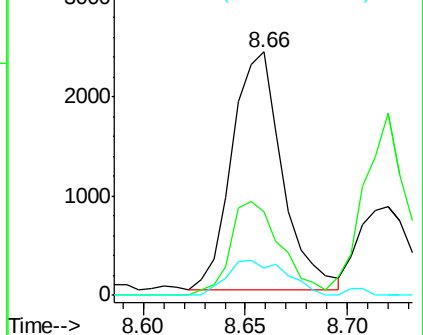
85 17.0 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#60

4-Bromofluorobenzene

Concen: 27.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

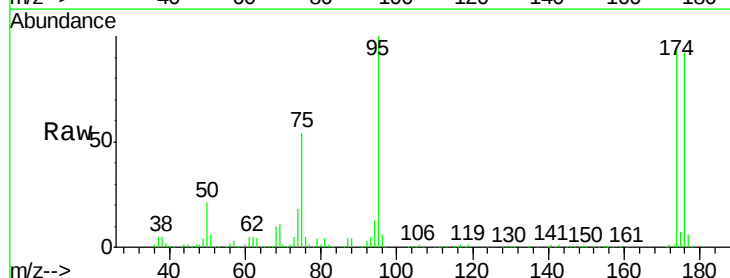
Tgt Ion: 95 Resp: 107544

Ion Ratio Lower Upper

95 100

174 96.6 71.8 107.6

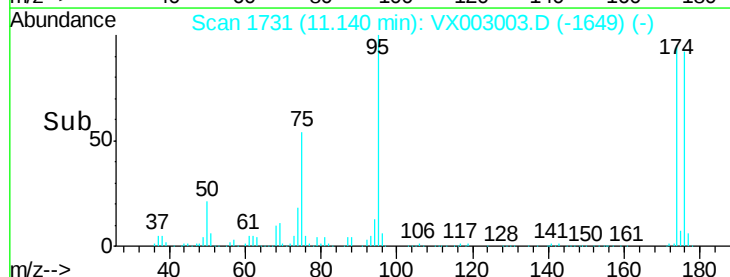
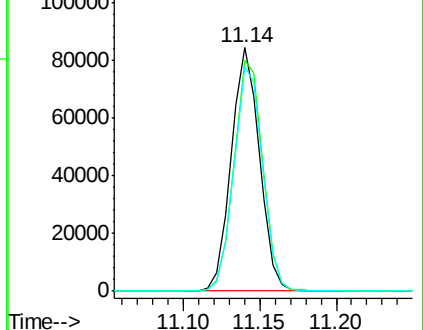
176 93.5 70.1 105.1

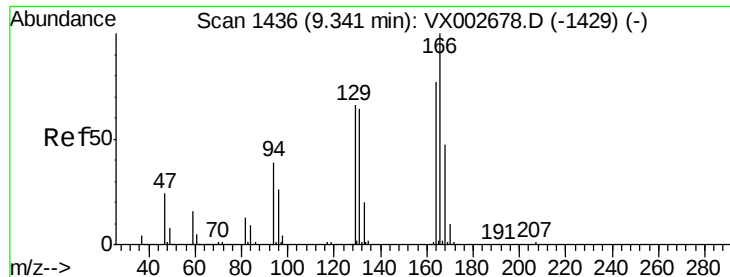


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 12.11 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

2-AVE-15

Tot Ion:164 Resp: 39169

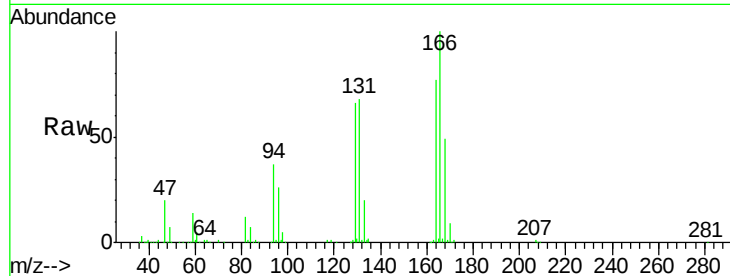
Ion Ratio Lower Upper

164 100

166 130.3 102.4 153.6

129 85.9 70.1 105.1

131 88.4 69.1 103.7

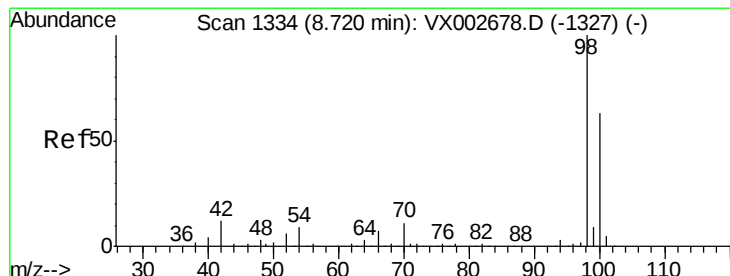
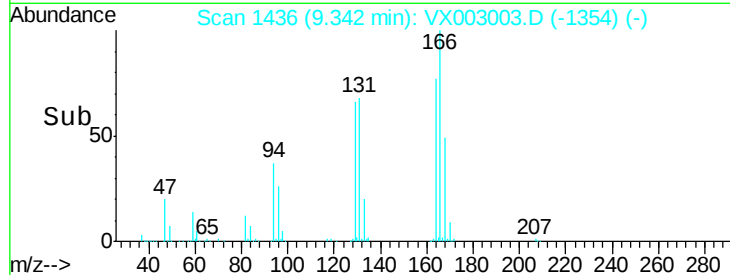
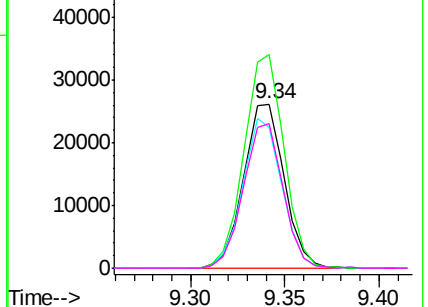


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: 29.25 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003003.D

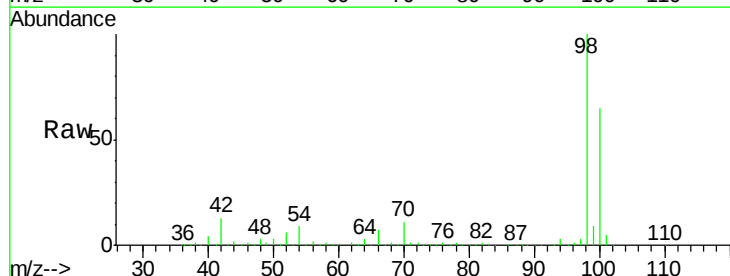
Acq: 28 Jun 2018 23:12

Tgt Ion: 98 Resp: 301021

Ion Ratio Lower Upper

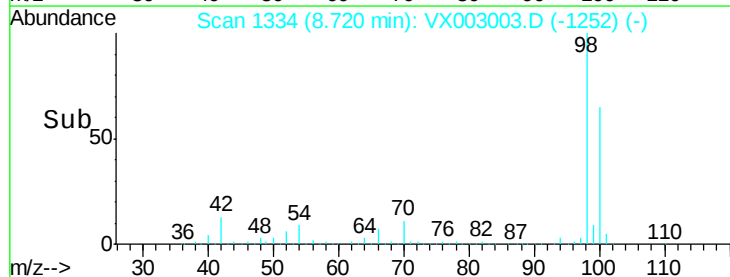
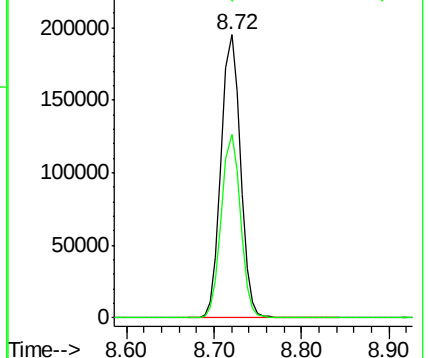
98 100

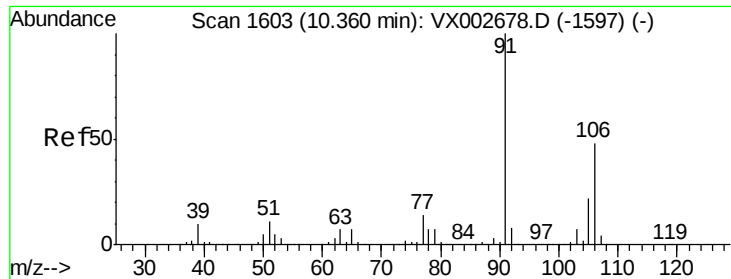
100 63.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

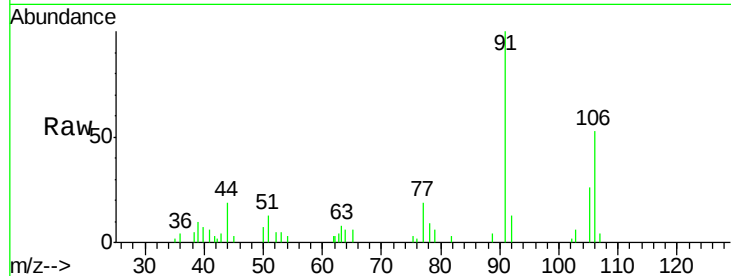




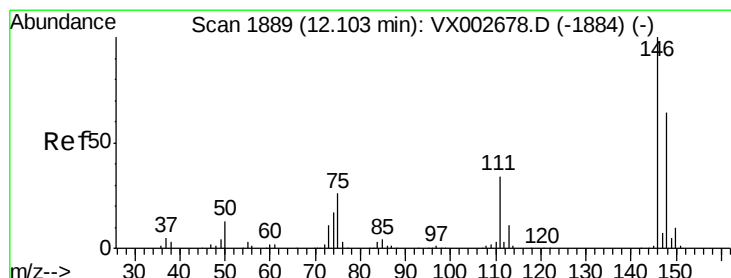
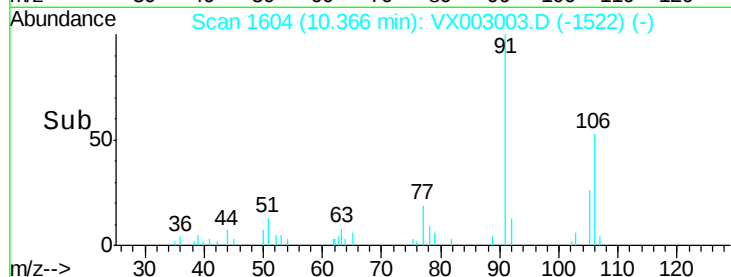
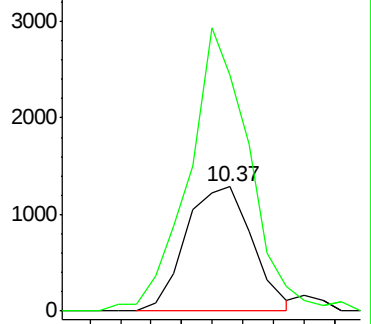
#67
m/p-Xvlenes
Concen: 0.39 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX003003.D
Acq: 28 Jun 2018 23:12

Instrument :
MSVOA_X
ClientSampleId :
2-AVE-15

Tot Ion:106 Resp: 1941
Ion Ratio Lower Upper
106 100
91 207.7 164.1 246.1

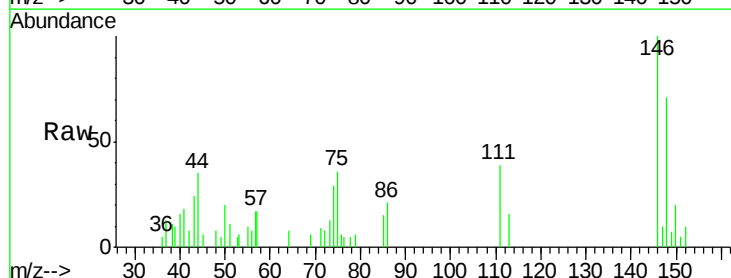


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

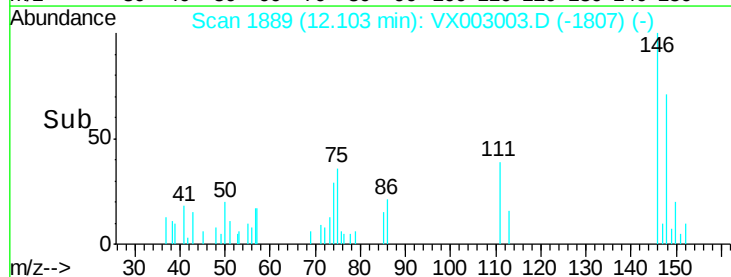
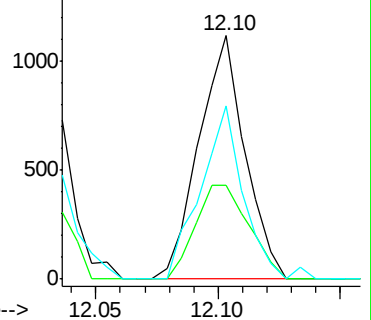


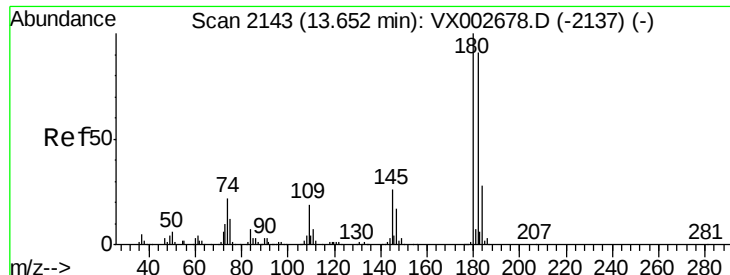
#84
1,4-Dichlorobenzene
Concen: 0.21 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VX003003.D
Acq: 28 Jun 2018 23:12

Tgt Ion:146 Resp: 1476
Ion Ratio Lower Upper
146 100
111 44.6 18.5 55.5
148 64.9 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#89

1,2,4-Trichlorobenzene

Concen: 0.23 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003003.D

Acq: 28 Jun 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

2-AVE-15

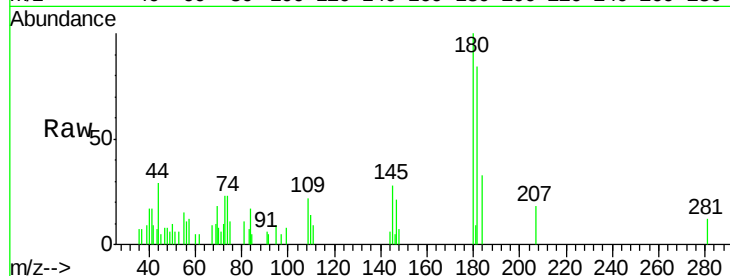
Tot Ion:180 Resp: 1212

Ion Ratio Lower Upper

180 100

182 100.7 76.4 114.6

145 30.4 22.9 34.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

