

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003623.D
 Acq On : 24 Jul 2018 00:56
 Operator : JC/SP
 Sample : J4073-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-071718

Quant Time: Jul 24 01:46:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193380	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	164927	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	5.51	113	145301	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	8.72	98	541482	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.14	95	182585	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

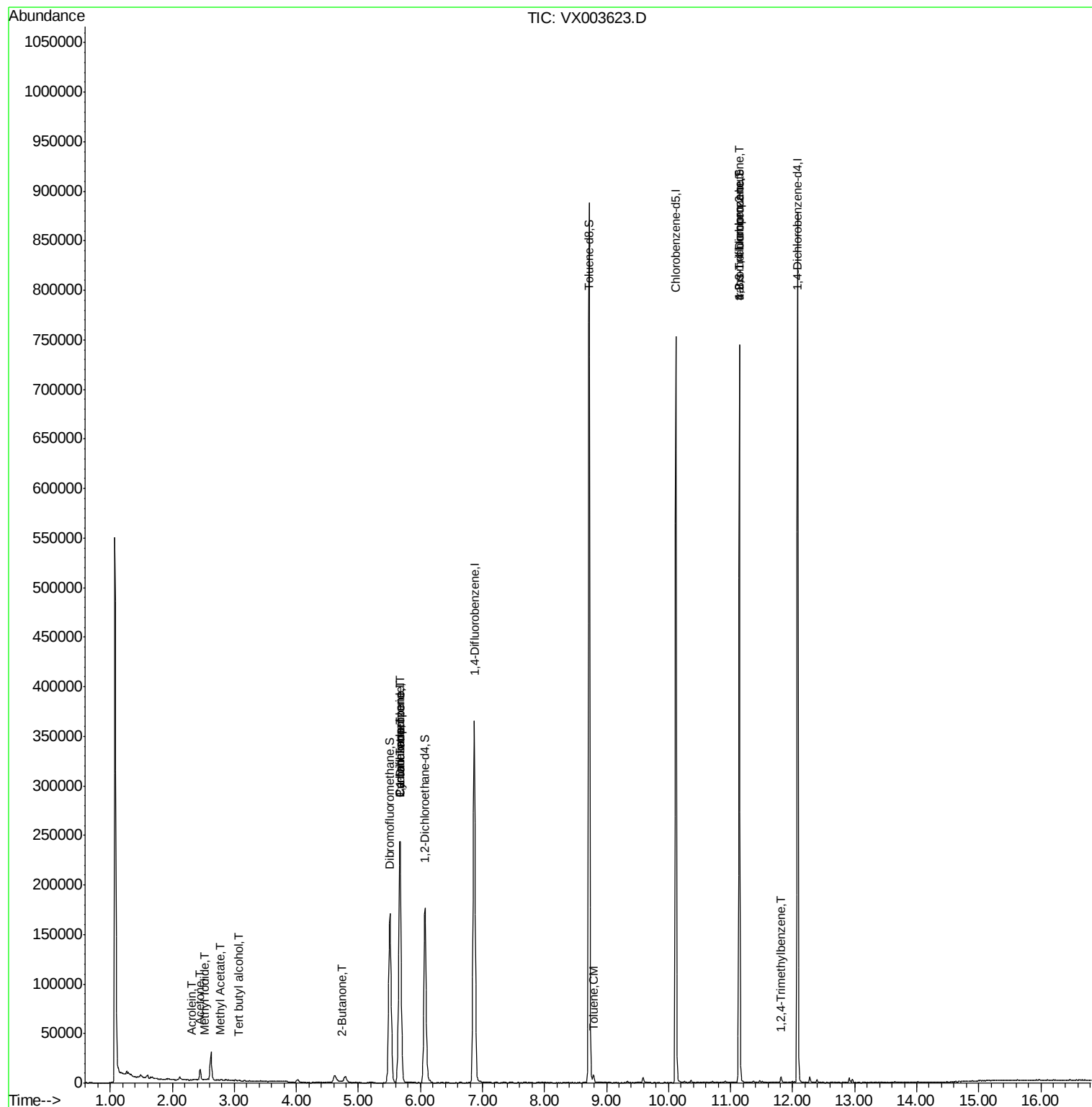
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	163	Below Cal	#	43
3) Chloromethane	1.32	50	645	Below Cal	#	85
5) Bromomethane	1.65	94	1450	Below Cal		91
10) Methyl Iodide	2.53	142	1228	0.362	ug/l #	80
11) Tert butyl alcohol	3.07	59	466	0.781	ug/l #	73
13) Acrolein	2.30	56	69	0.256	ug/l #	1
16) Acetone	2.45	43	11945	10.493	ug/l #	88
18) Methyl Acetate	2.78	43	743	0.207	ug/l #	68
20) Methylene Chloride	2.85	84	239	Below Cal	#	80
25) 2-Butanone	4.72	43	2941	1.540	ug/l	98
31) Cyclohexane	5.67	56	4253	0.937	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16455	4.008	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22318	5.542	ug/l #	17
52) Toluene	8.79	92	2447	0.314	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	86811	24.989	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86811	69.978	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	2242	0.200	ug/l #	45

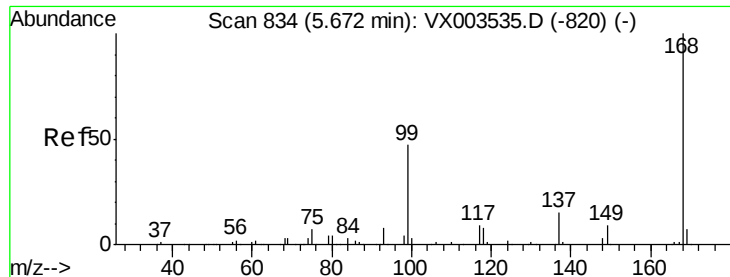
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

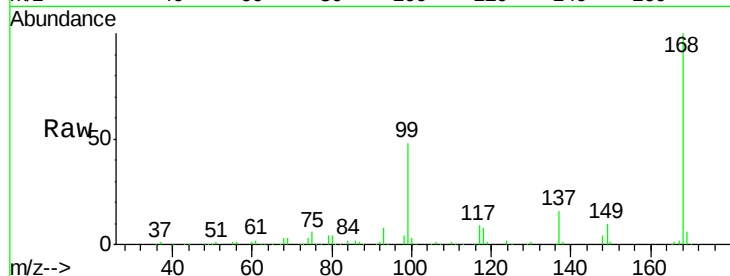
EB02-071718

Tgt Ion:168 Resp: 254591

Ion Ratio Lower Upper

168 100

99 47.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

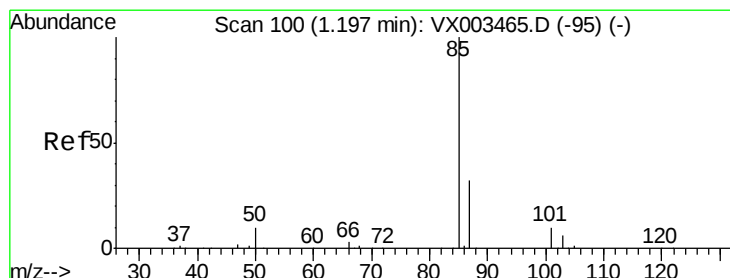
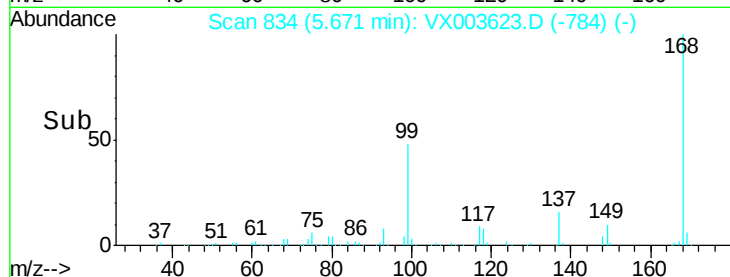
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003623.D

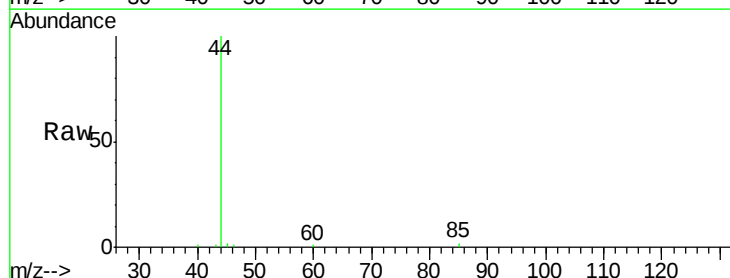
Acq: 24 Jul 2018 00:56

Tgt Ion: 85 Resp: 163

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

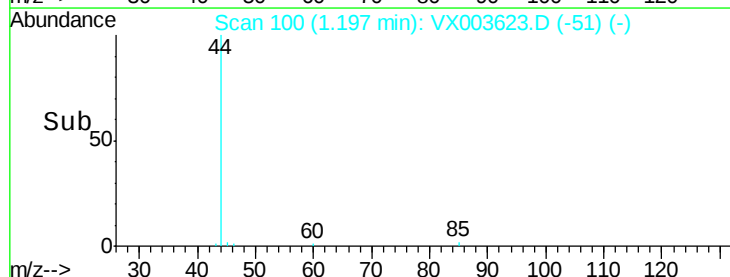
150

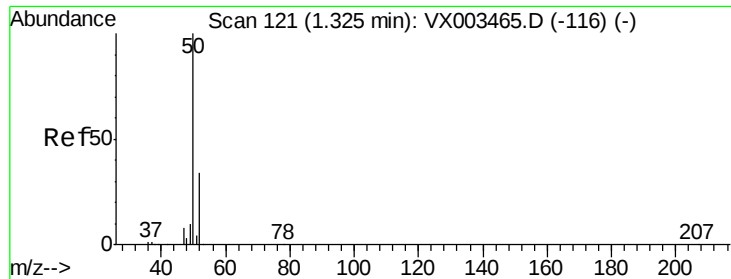
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

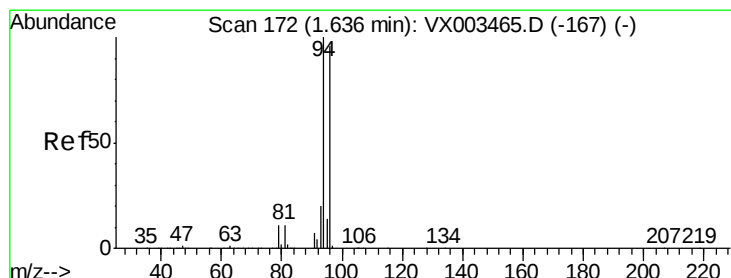
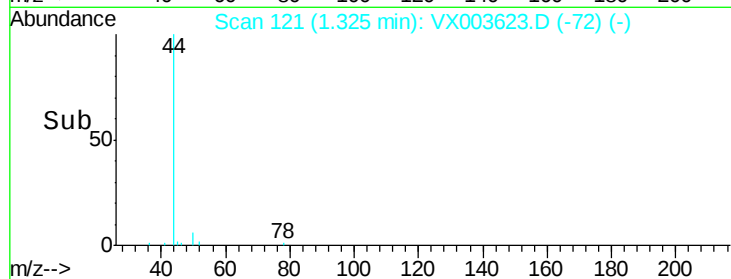
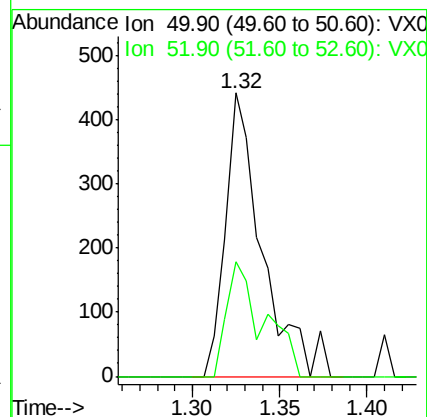
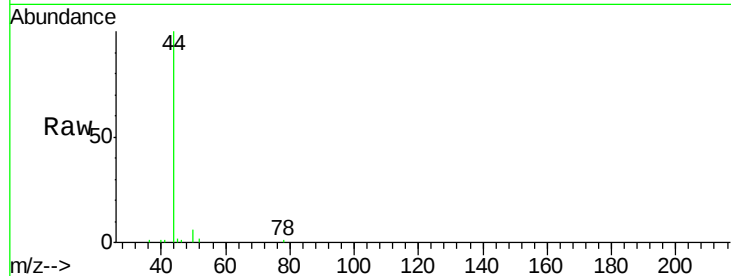
EB02-071718

Tgt Ion: 50 Resp: 645

Ion Ratio Lower Upper

50 100

52 40.6 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003623.D

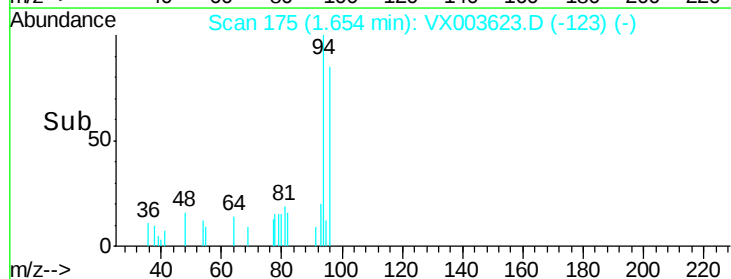
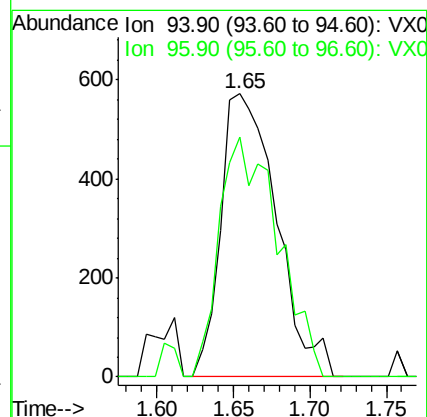
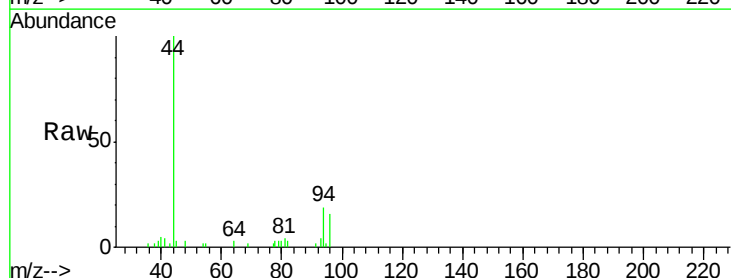
Acq: 24 Jul 2018 00:56

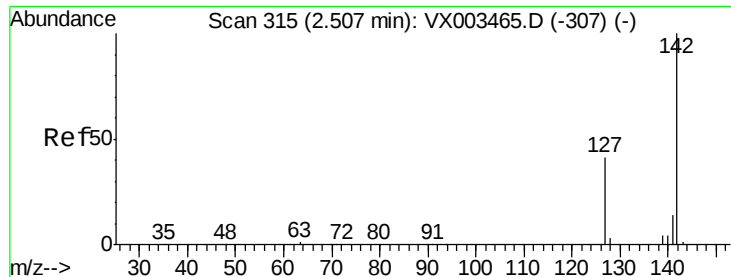
Tgt Ion: 94 Resp: 1450

Ion Ratio Lower Upper

94 100

96 84.6 74.9 112.3

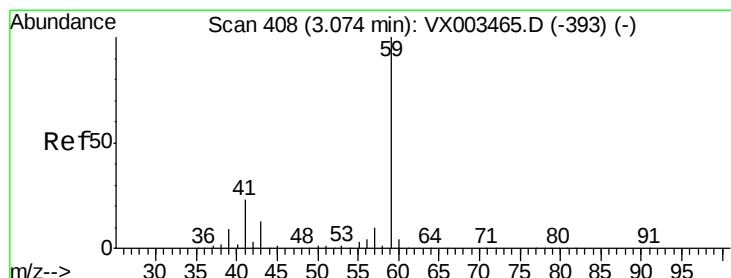
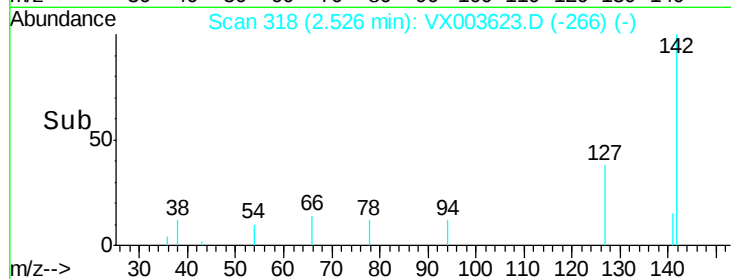
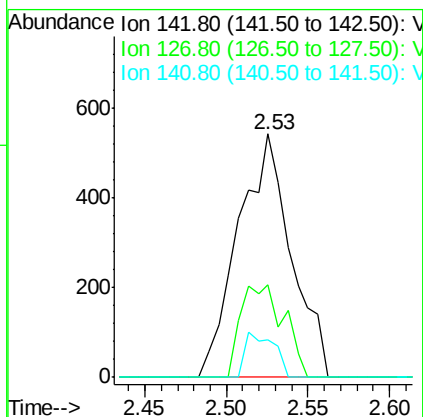
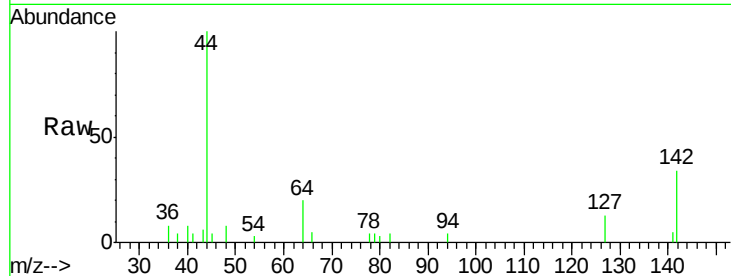




#10
Methyl Iodide
Concen: 0.362 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003623.D
Acq: 24 Jul 2018 00:56

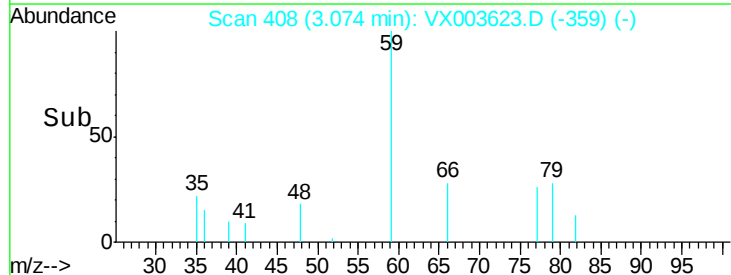
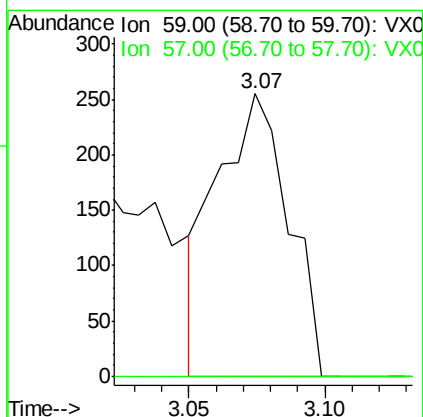
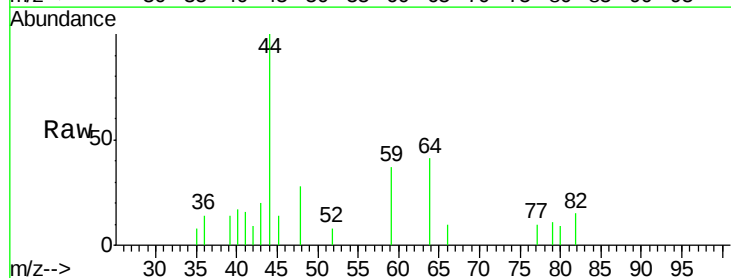
Instrument :
MSVOA_X
ClientSampleId :
EB02-071718

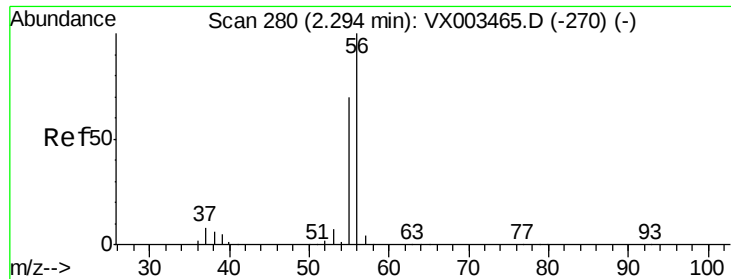
Tgt Ion: 142 Resp: 1228
Ion Ratio Lower Upper
142 100
127 30.9 36.6 55.0#
141 10.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.781 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX003623.D
Acq: 24 Jul 2018 00:56

Tgt Ion: 59 Resp: 466
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.256 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

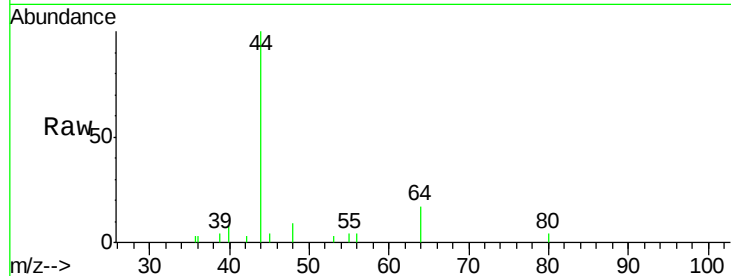
EB02-071718

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

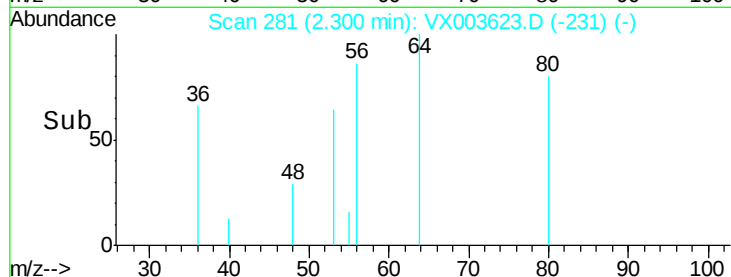
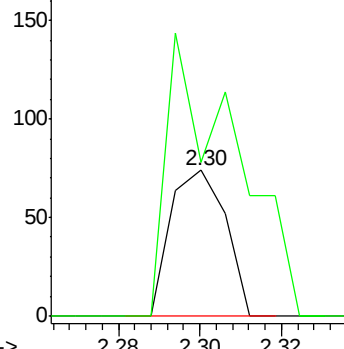
56 100

55 243.5 57.0 85.4#

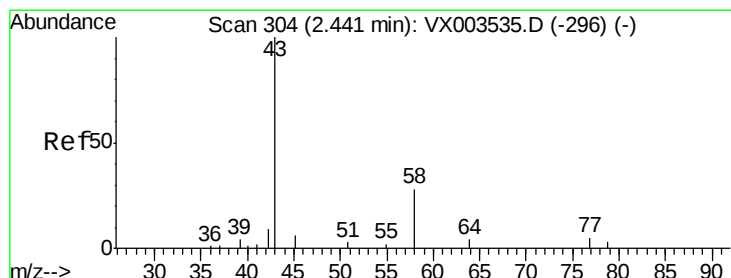


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 10.493 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003623.D

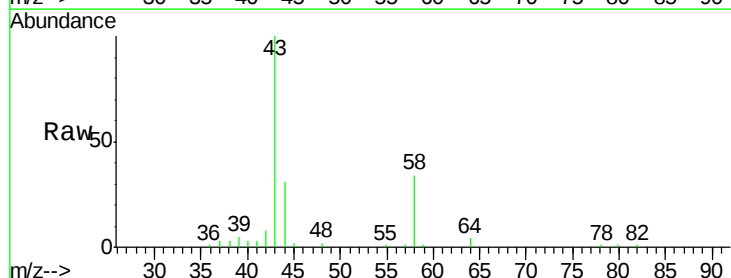
Acq: 24 Jul 2018 00:56

Tgt Ion: 43 Resp: 11945

Ion Ratio Lower Upper

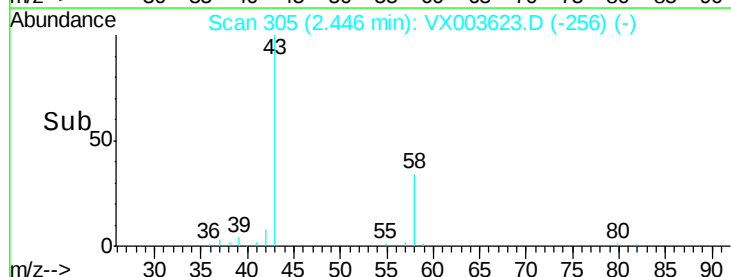
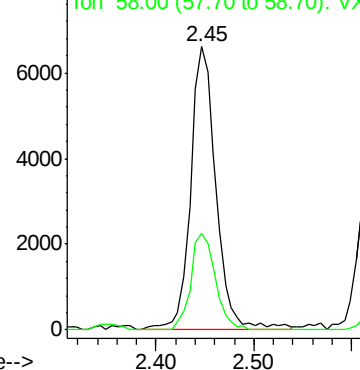
43 100

58 33.9 22.1 33.1#

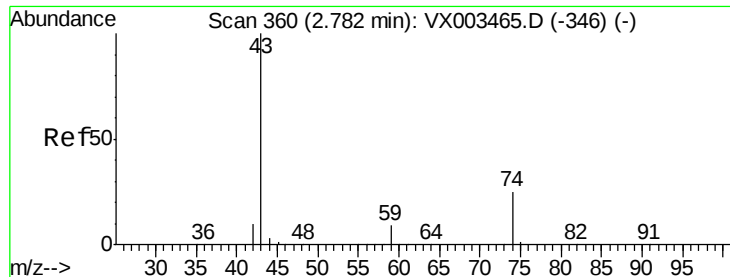


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



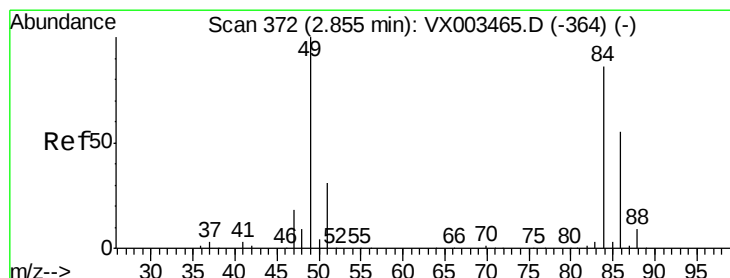
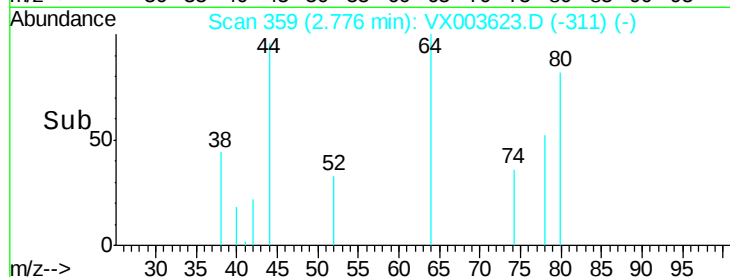
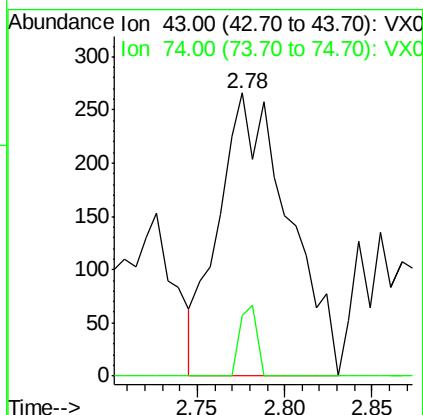
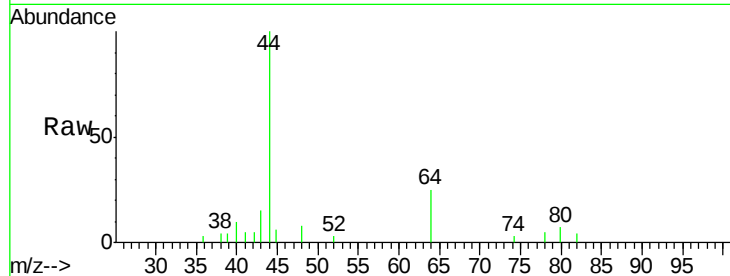
Time-->



#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003623.D
Acq: 24 Jul 2018 00:56

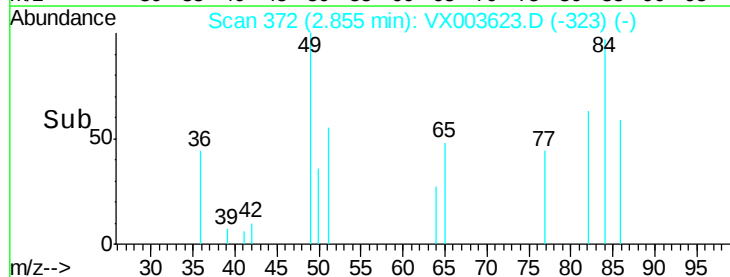
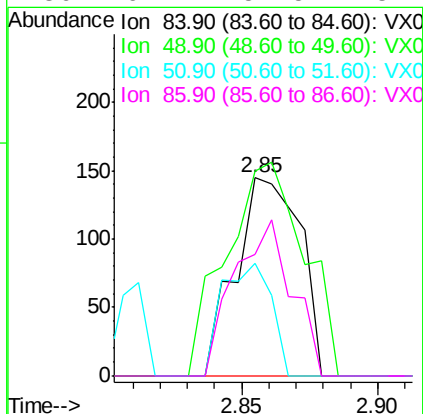
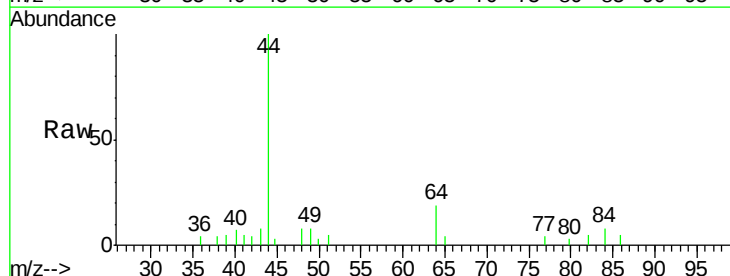
Instrument :
MSVOA_X
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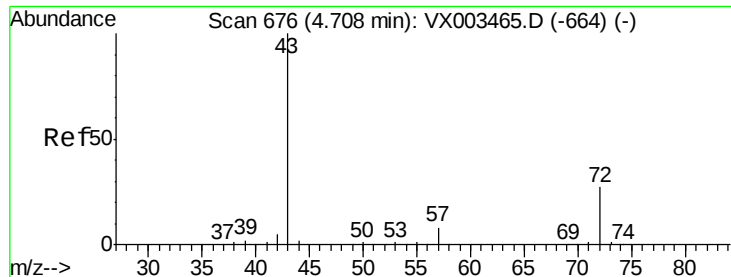
Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
74 6.1 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003623.D
Acq: 24 Jul 2018 00:56

Tgt Ion: 84 Resp: 239
Ion Ratio Lower Upper
84 100
49 103.4 107.8 161.6#
51 56.6 32.8 49.2#
86 61.4 52.5 78.7





#25

2-Butanone

Concen: 1.540 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

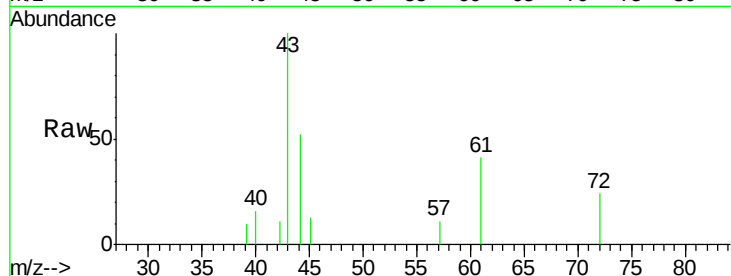
EB02-071718

Tgt Ion: 43 Resp: 2941

Ion Ratio Lower Upper

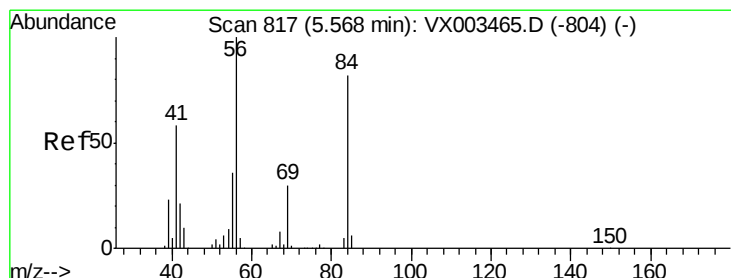
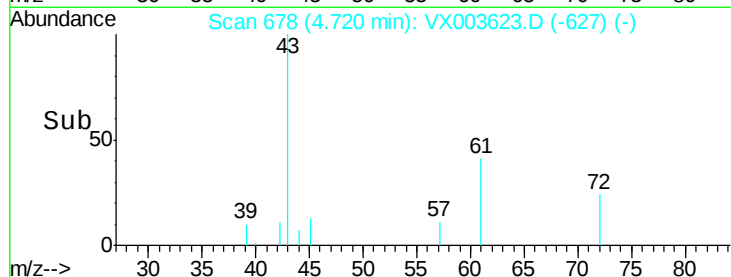
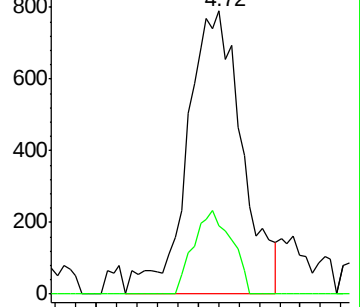
43 100

72 24.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.937 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

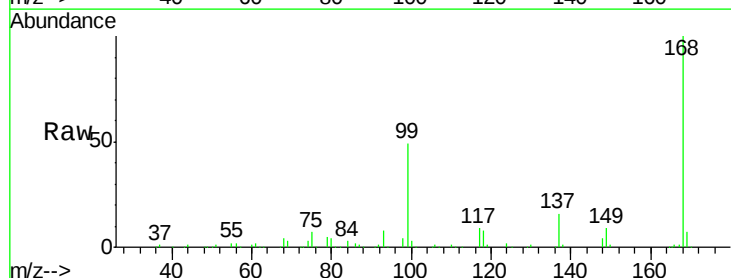
Tgt Ion: 56 Resp: 4253

Ion Ratio Lower Upper

56 100

69 188.6 23.7 35.5#

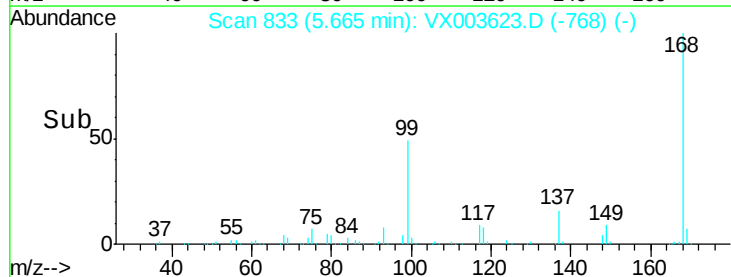
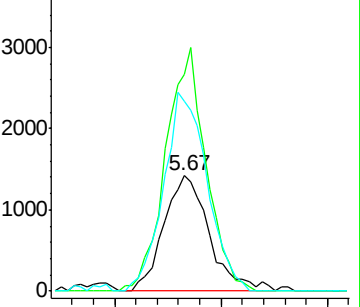
84 165.0 64.1 96.1#

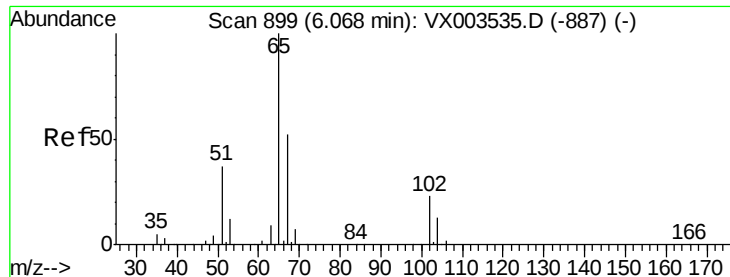


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

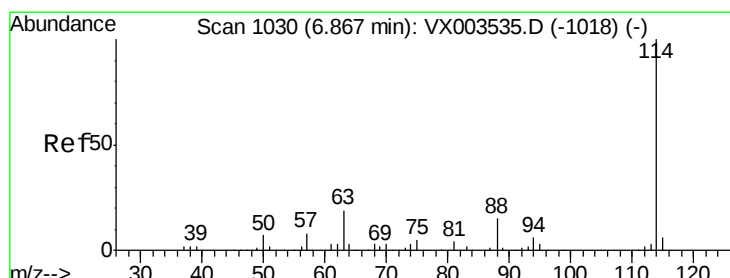
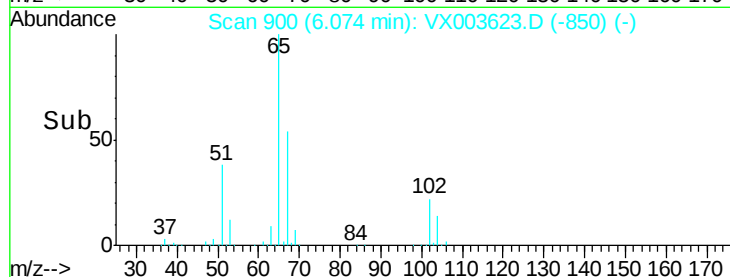
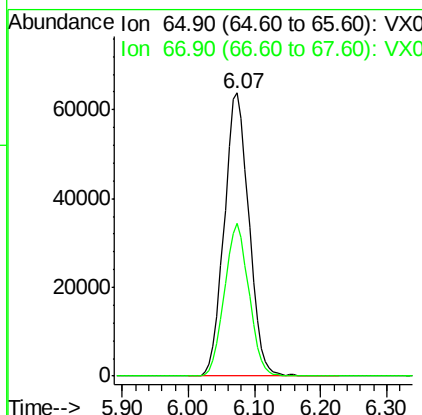
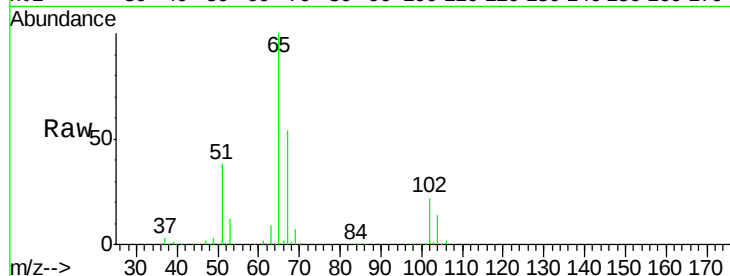




#33
 1,2-Dichloroethane-d4
 Concen: 54.727 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003623.D
 Acq: 24 Jul 2018 00:56

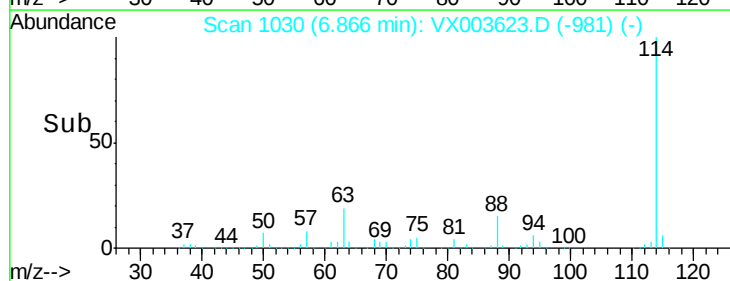
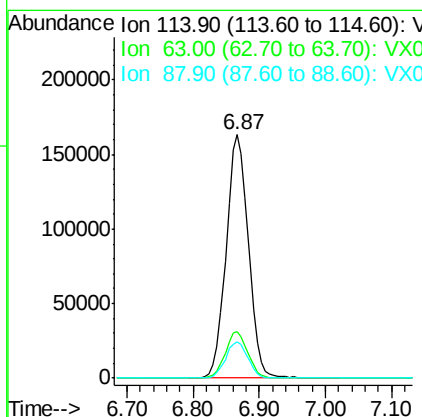
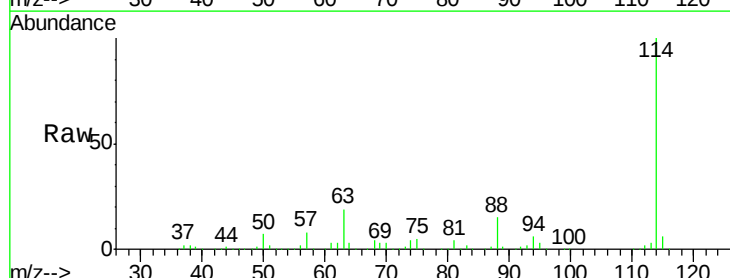
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-071718

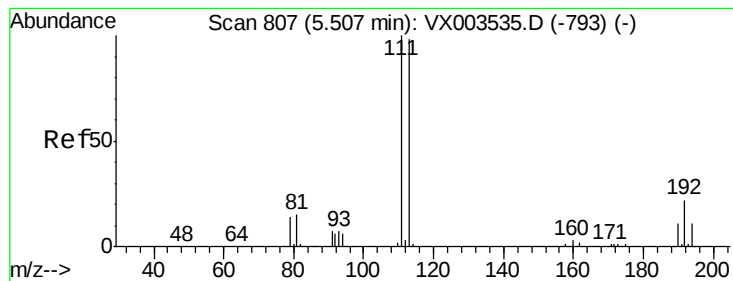
Tgt Ion: 65 Resp: 164927
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003623.D
 Acq: 24 Jul 2018 00:56

Tgt Ion: 114 Resp: 380275
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.165 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

EB02-071718

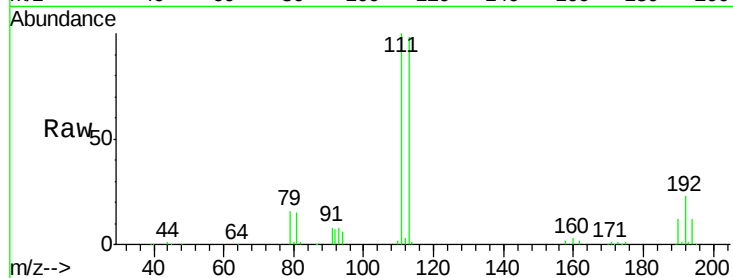
Tgt Ion:113 Resp: 145301

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

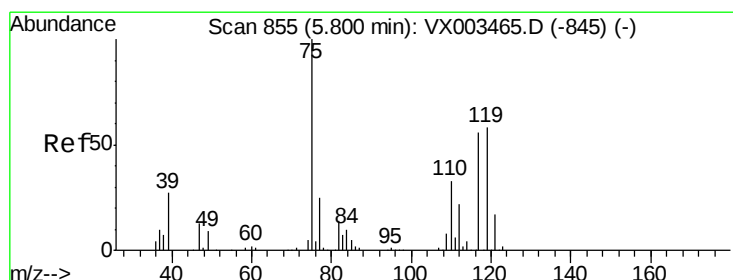
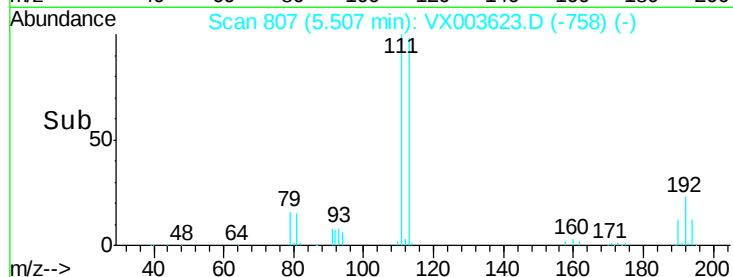
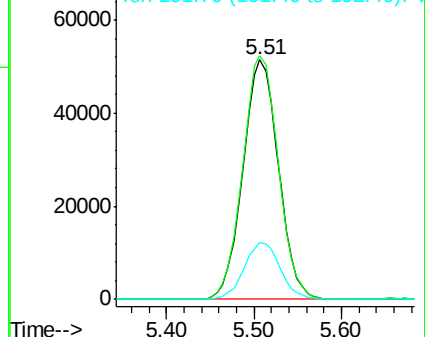
192 24.0 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.008 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

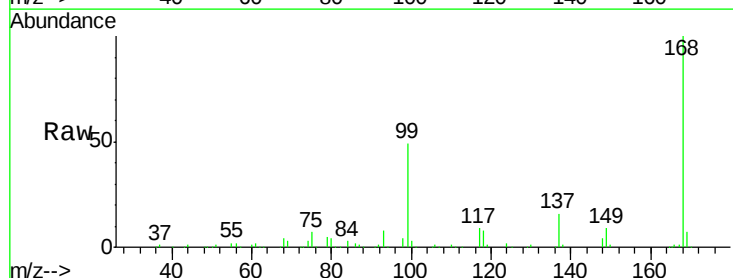
Tgt Ion: 75 Resp: 16455

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

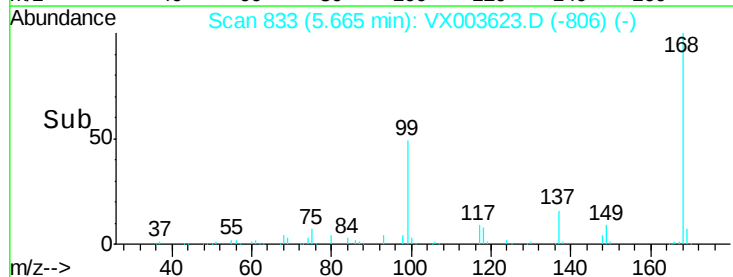
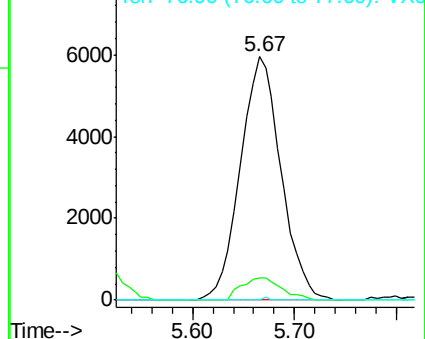
77 0.1 24.3 36.5#

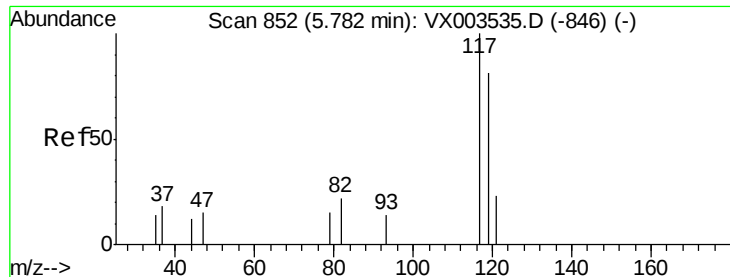


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

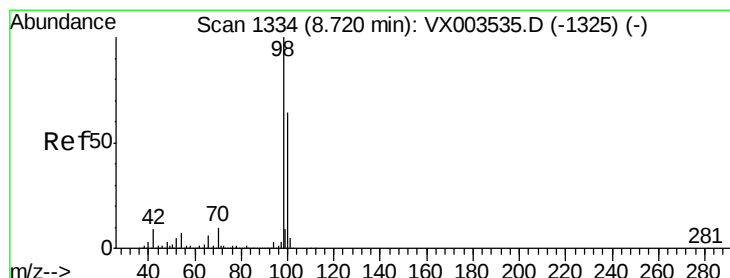
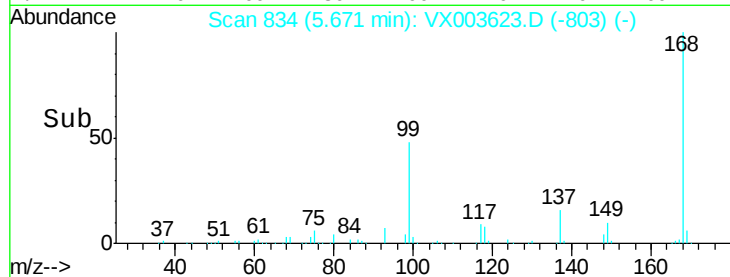
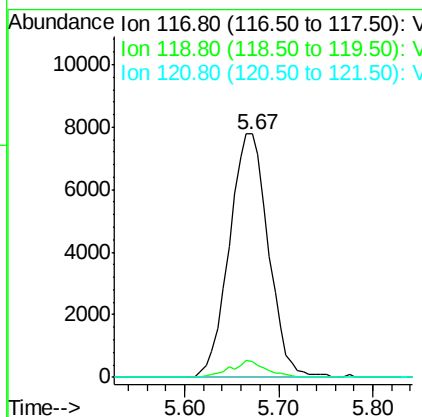
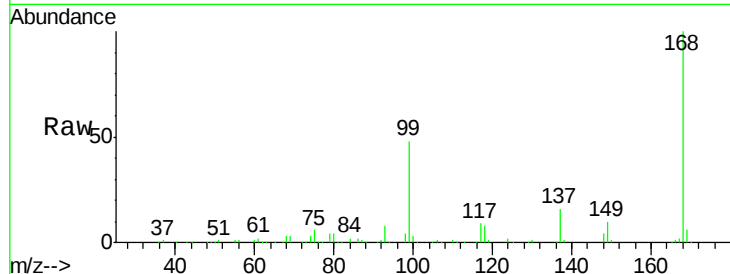




#38
Carbon Tetrachloride
Concen: 5.542 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003623.D
Acq: 24 Jul 2018 00:56

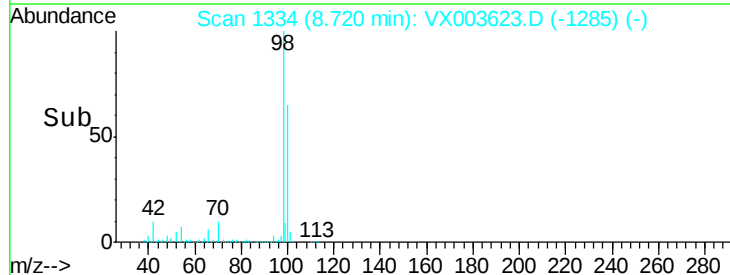
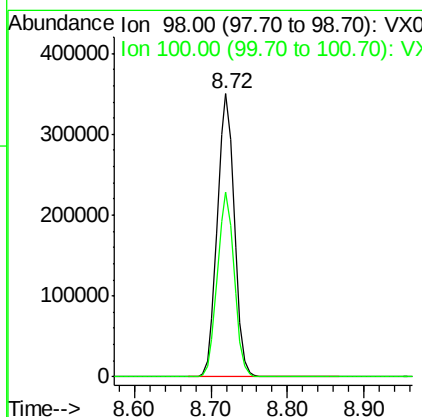
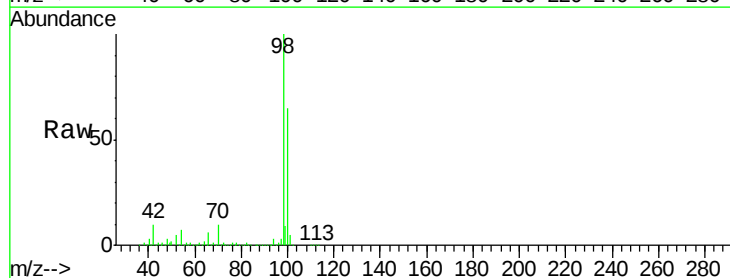
Instrument :
MSVOA_X
ClientSampleId :
EB02-071718

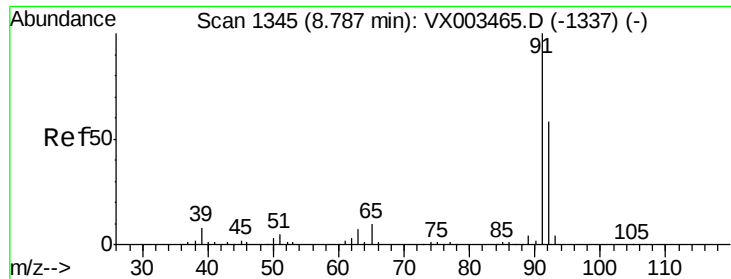
Tgt Ion:117 Resp: 22318
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.738 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003623.D
Acq: 24 Jul 2018 00:56

Tgt Ion: 98 Resp: 541482
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#52

Toluene

Concen: 0.314 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

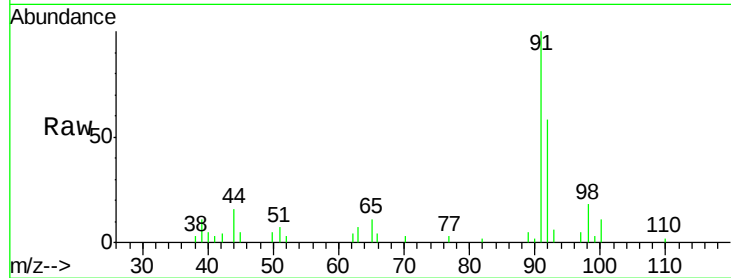
EB02-071718

Tgt Ion: 92 Resp: 2447

Ion Ratio Lower Upper

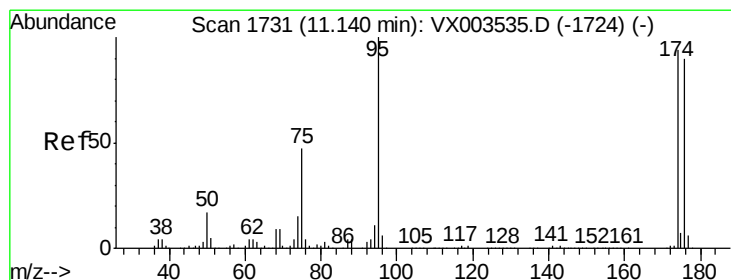
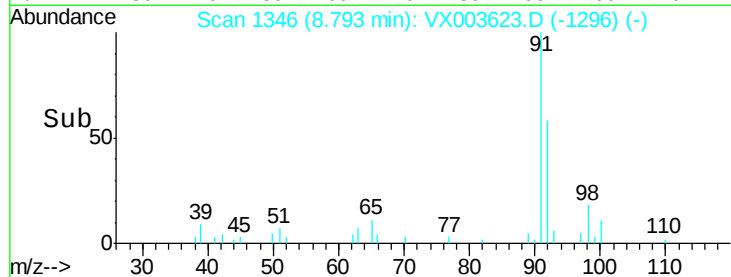
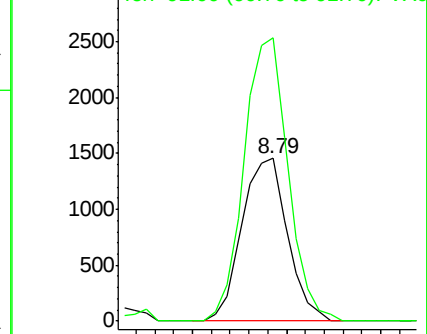
92 100

91 167.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.957 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

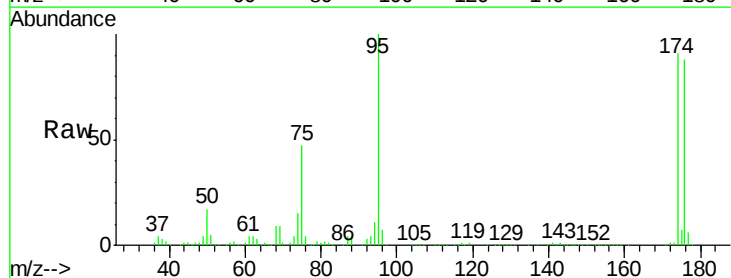
Tgt Ion: 95 Resp: 182585

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.4

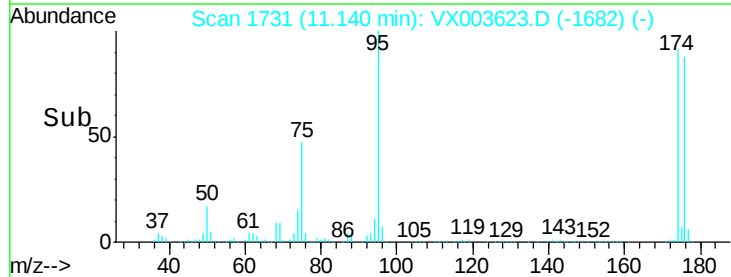
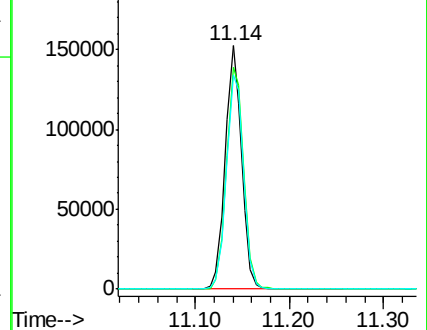
176 92.3 0.0 181.0

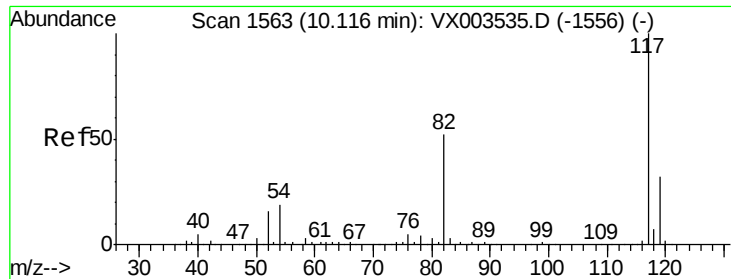


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

EB02-071718

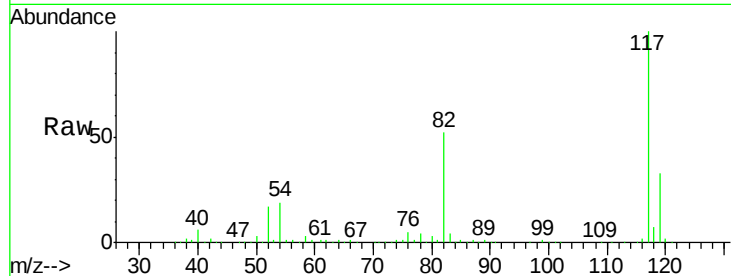
Tgt Ion:117 Resp: 359470

Ion Ratio Lower Upper

117 100

82 52.3 45.0 67.4

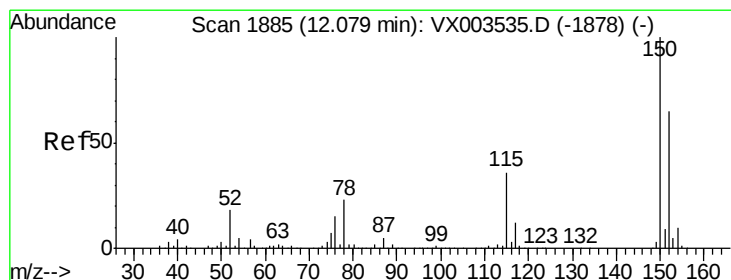
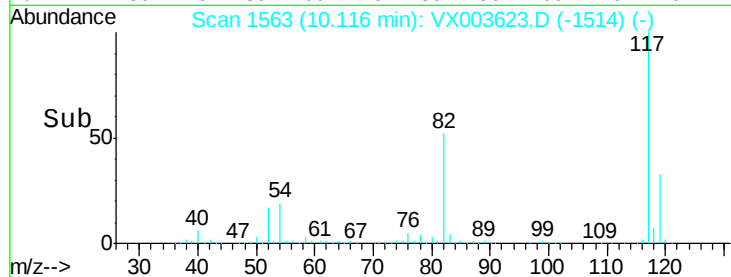
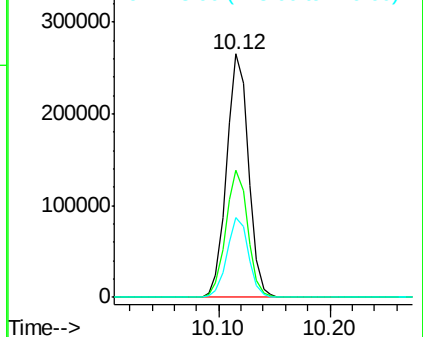
119 32.6 25.8 38.6



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: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

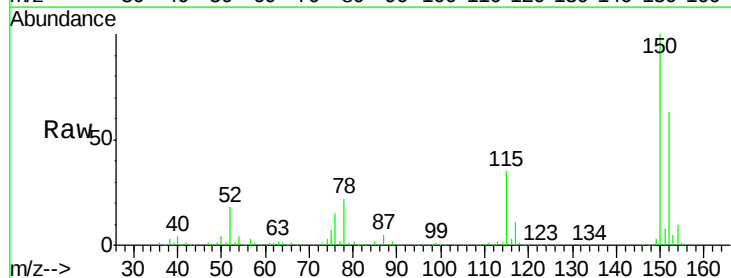
Tgt Ion:152 Resp: 193380

Ion Ratio Lower Upper

152 100

115 54.0 40.1 120.2

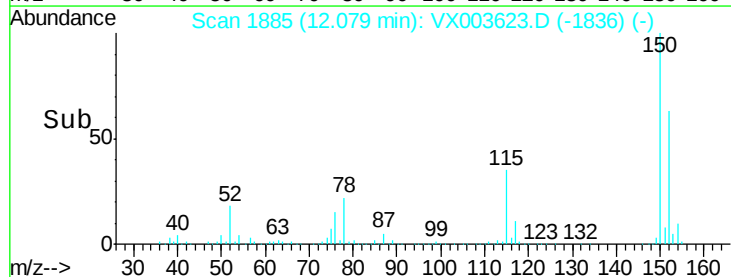
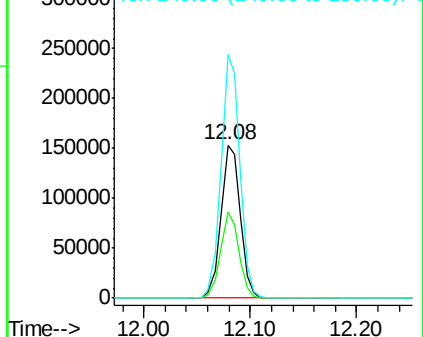
150 155.6 0.0 347.2

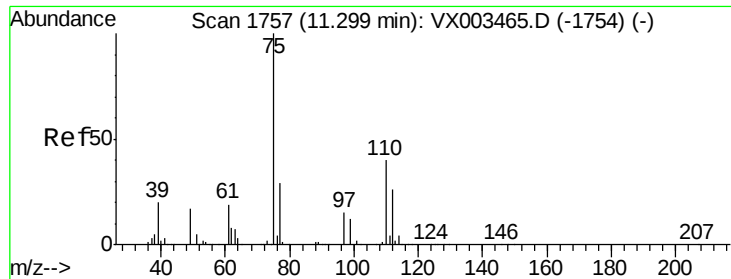


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.989 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

Instrument :

MSVOA_X

ClientSampleId :

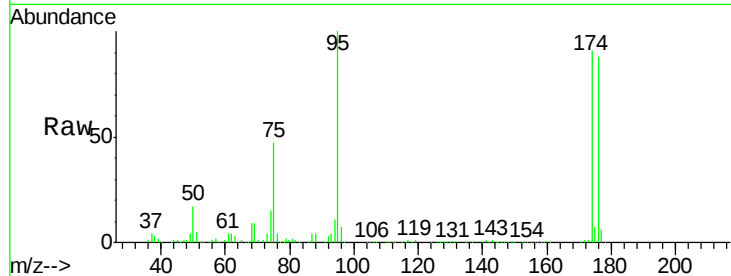
EB02-071718

Tgt Ion: 75 Resp: 86811

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

60000

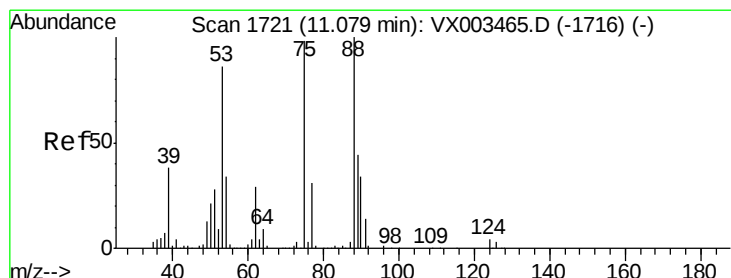
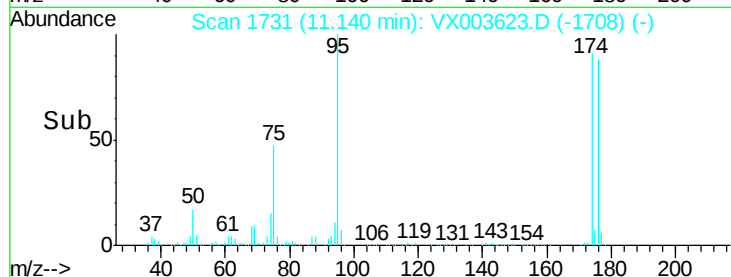
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 69.978 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003623.D

Acq: 24 Jul 2018 00:56

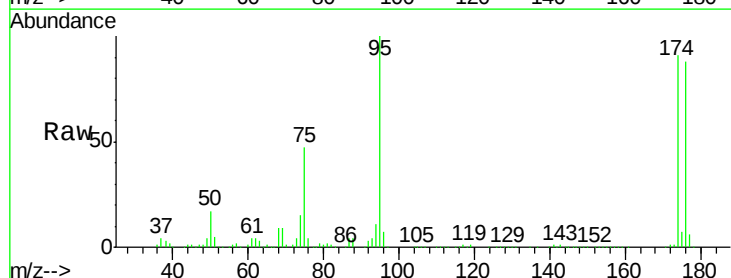
Tgt Ion: 75 Resp: 86811

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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

11.14

80000

60000

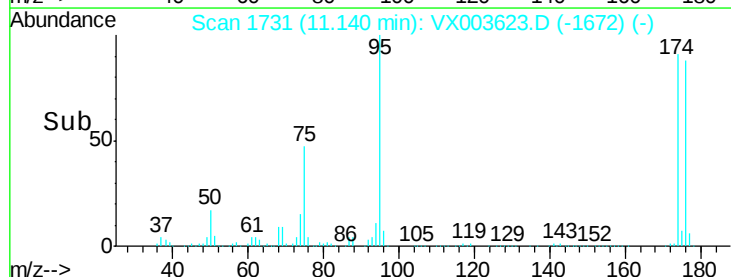
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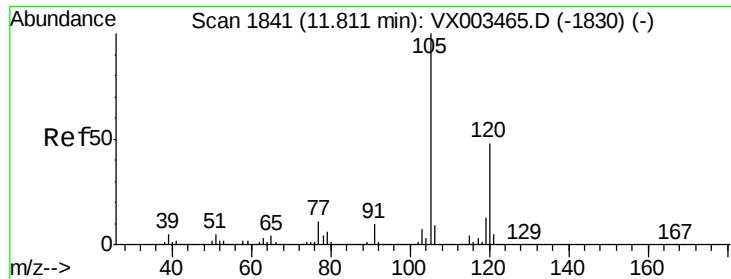
20000

0

Time-->

11.10 11.20





#84
 1,2,4-Trimethylbenzene
 Concen: 0.200 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003623.D
 Acq: 24 Jul 2018 00:56

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-071718

Tgt Ion:105 Resp: 2242
 Ion Ratio Lower Upper
 105 100
 120 8.5 22.3 66.8#

