

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003608.D
 Acq On : 23 Jul 2018 16:56
 Operator : JC/SP
 Sample : J4048-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-1

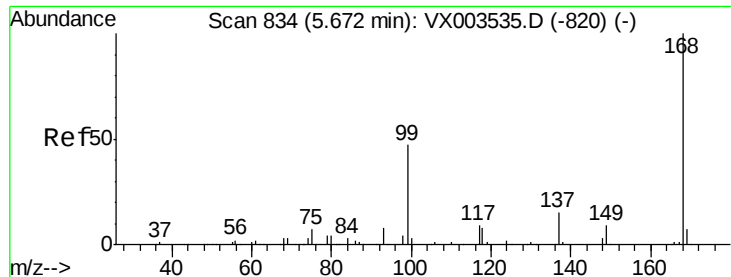
Quant Time: Jul 24 01:42:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	239941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	357730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179539	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155395	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	5.51	113	139751	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	8.72	98	509211	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.14	95	171083	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	21	Below Cal	#	43
3) Chloromethane	1.32	50	482	Below Cal		99
4) Vinyl Chloride	1.40	62	2894	0.949	ug/l #	85
5) Bromomethane	1.67	94	995	Below Cal		92
6) Chloroethane	1.75	64	379	0.210	ug/l	96
11) Tert butyl alcohol	3.07	59	514	0.915	ug/l #	73
13) Acrolein	2.30	56	147	0.579	ug/l #	14
16) Acetone	2.45	43	9880	9.209	ug/l #	85
20) Methylene Chloride	2.85	84	616	Below Cal	#	83
21) trans-1,2-Dichloroethene	3.16	96	860	0.315	ug/l #	61
25) 2-Butanone	4.72	43	2154	1.197	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	2299	0.757	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15182	3.931	ug/l #	50
37) Ethyl Acetate	4.72	43	2154	0.589	ug/l #	70
38) Carbon Tetrachloride	5.67	117	20339	5.369	ug/l #	17
44) Trichloroethene	7.22	130	1704	0.490	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	80851	25.067	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	80851	70.191	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003608.D

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ClientSampleId :

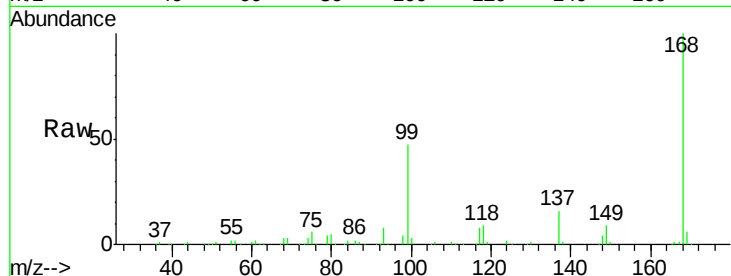
YT-MW-1

Tgt Ion:168 Resp: 239941

Ion Ratio Lower Upper

168 100

99 47.2 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

80000

60000

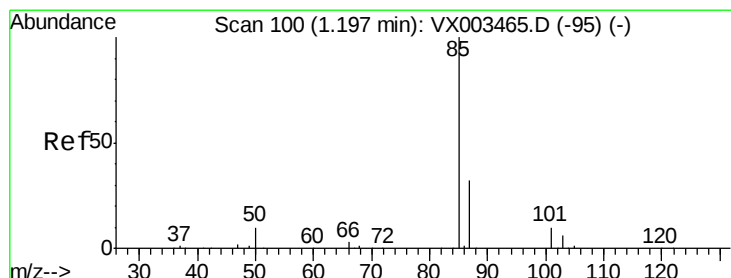
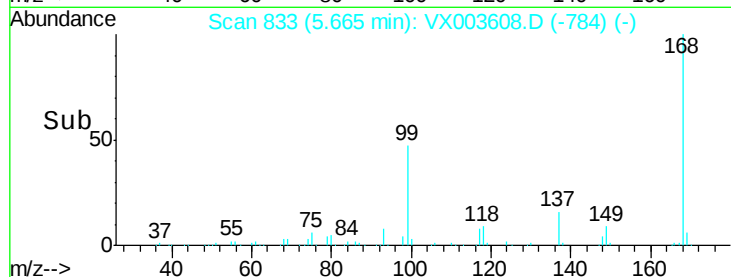
40000

20000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.30 min Scan# 117

Delta R.T. 0.10 min

Lab File: VX003608.D

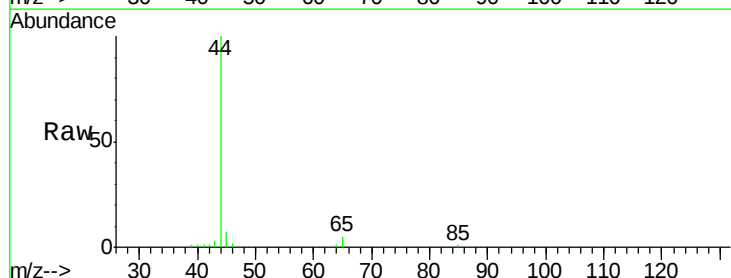
Acq: 23 Jul 2018 16:56

Tgt Ion: 85 Resp: 21

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

1.30

60

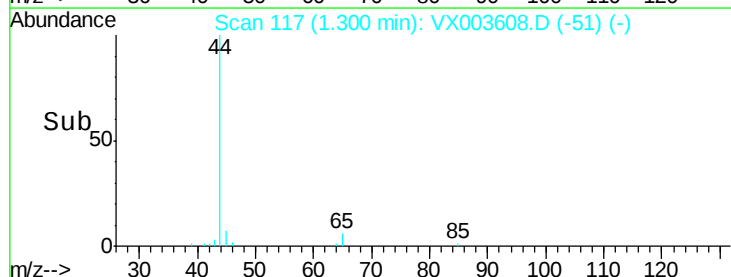
40

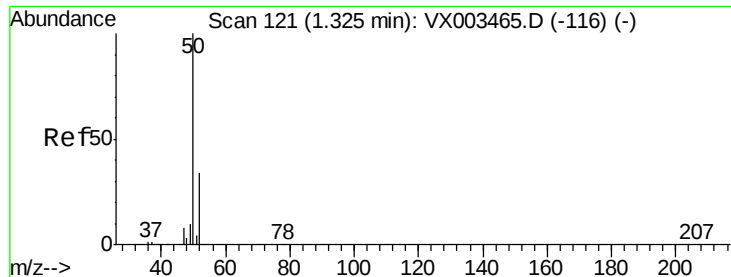
20

0

Time-->

1.28 1.29 1.30 1.31 1.32





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

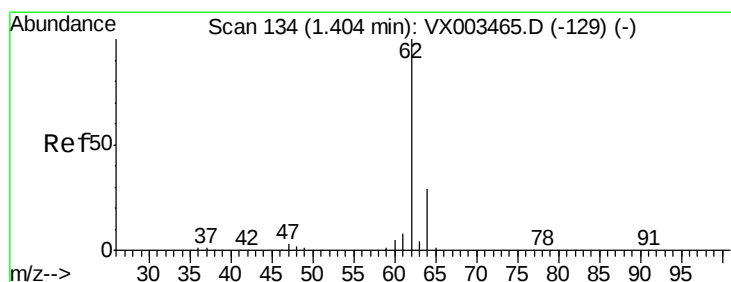
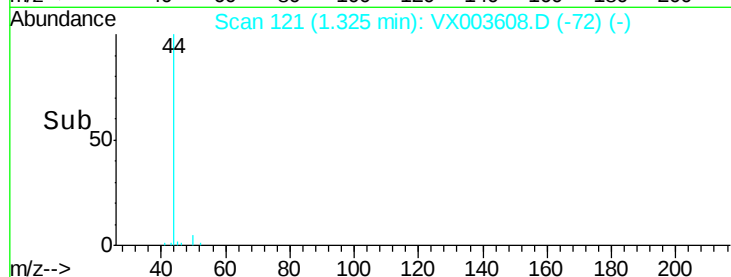
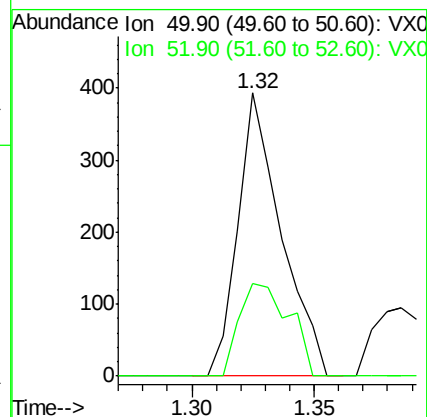
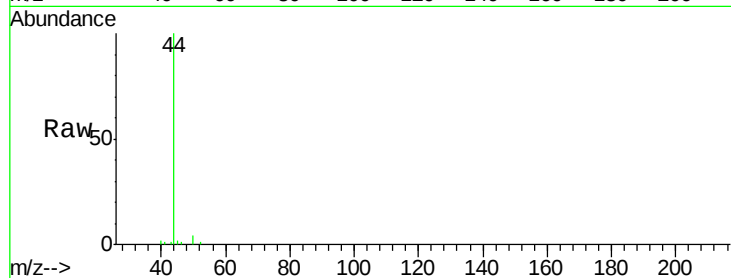
YT-MW-1

Tgt Ion: 50 Resp: 482

Ion Ratio Lower Upper

50 100

52 32.8 25.7 38.5



#4

Vinyl Chloride

Concen: 0.949 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003608.D

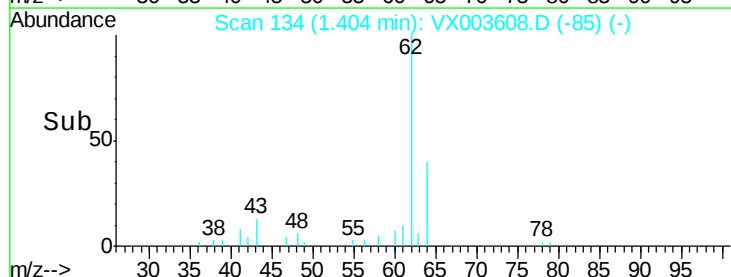
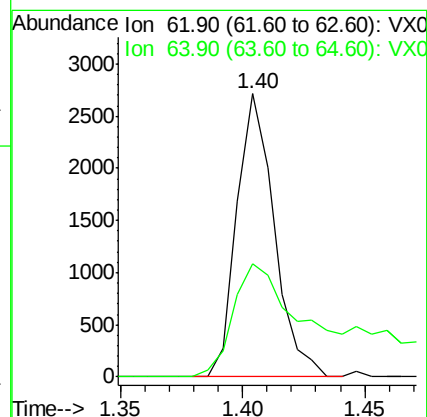
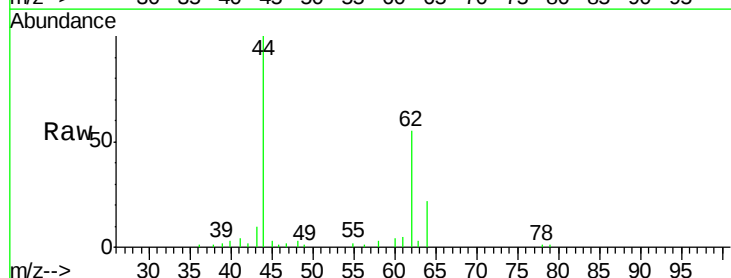
Acq: 23 Jul 2018 16:56

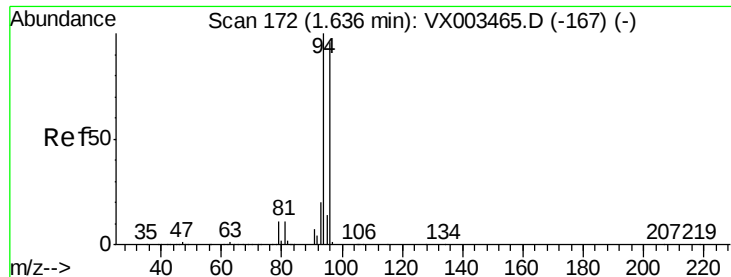
Tgt Ion: 62 Resp: 2894

Ion Ratio Lower Upper

62 100

64 40.2 25.4 38.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

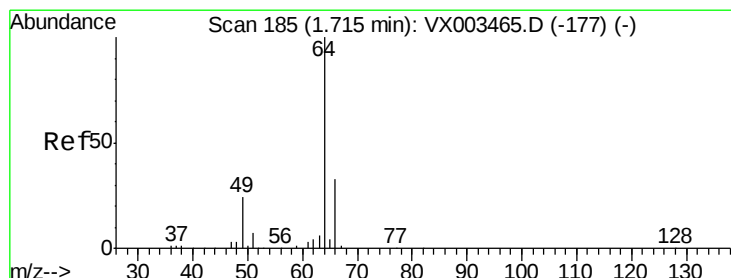
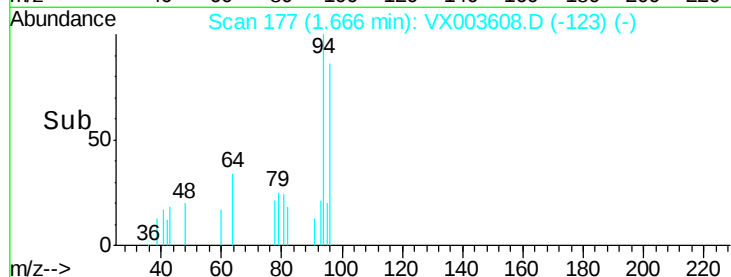
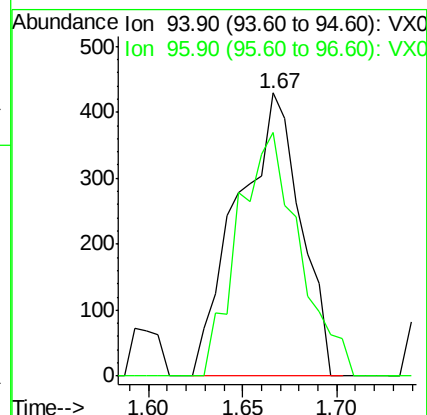
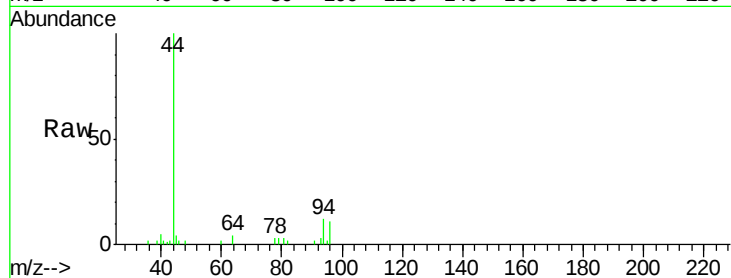
YT-MW-1

Tgt Ion: 94 Resp: 995

Ion Ratio Lower Upper

94 100

96 86.0 74.9 112.3



#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.03 min

Lab File: VX003608.D

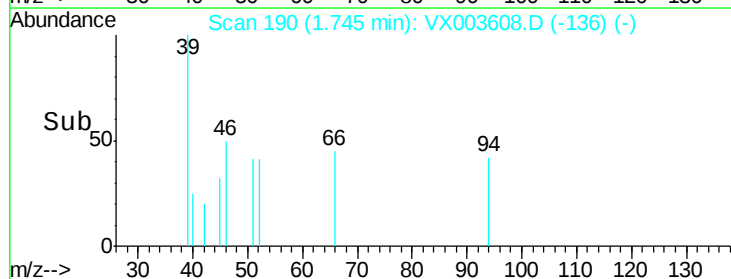
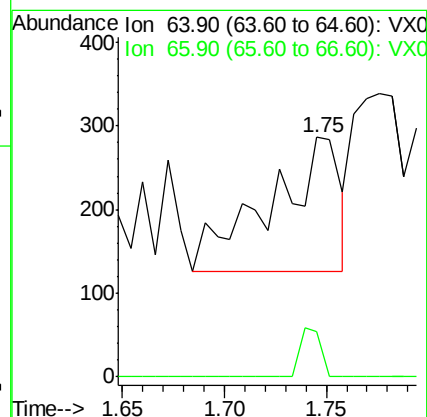
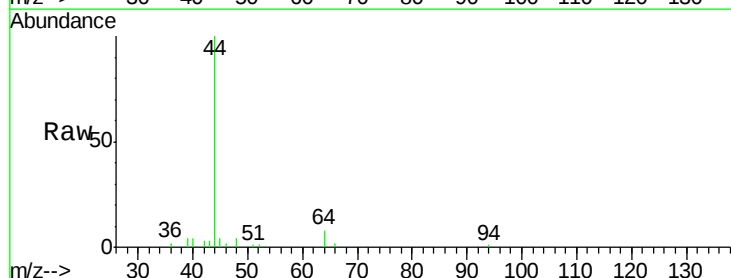
Acq: 23 Jul 2018 16:56

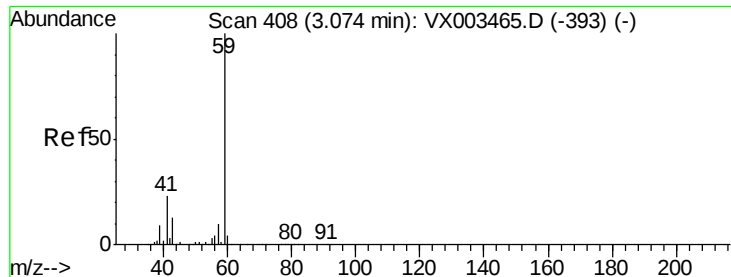
Tgt Ion: 64 Resp: 379

Ion Ratio Lower Upper

64 100

66 34.4 25.5 38.3



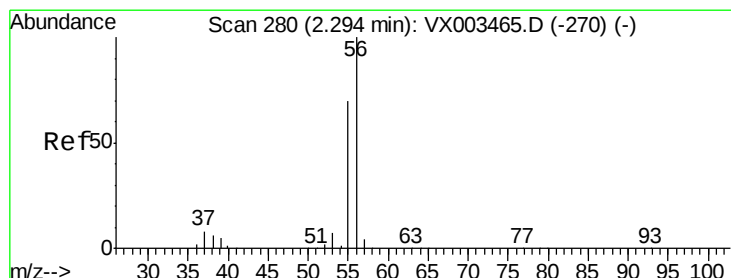
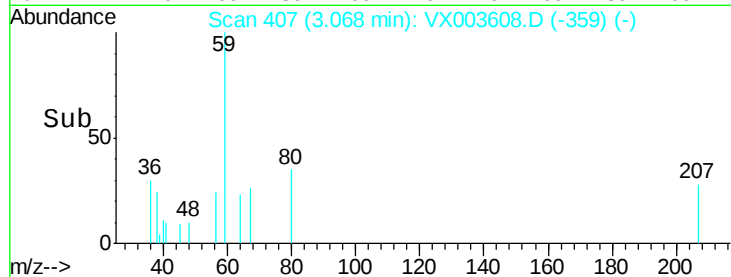
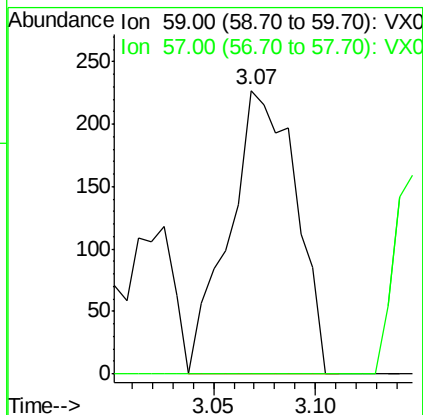
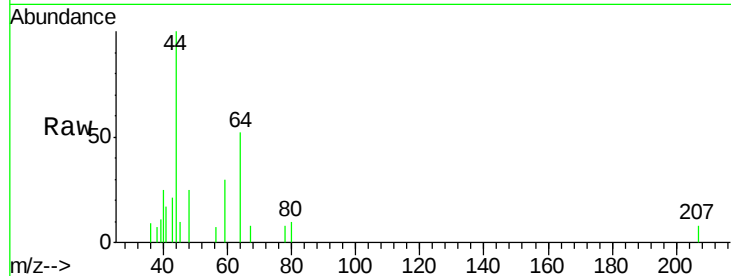


#11

Tert butyl alcohol
Concen: 0.915 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003608.D
Acq: 23 Jul 2018 16:56

Instrument :
MSVOA_X
ClientSampled :
YT-MW-1

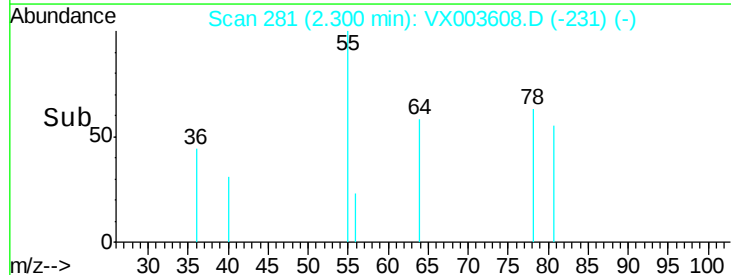
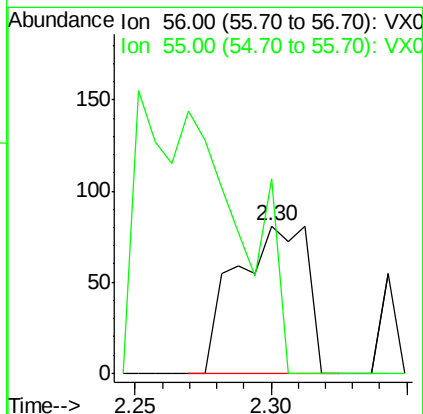
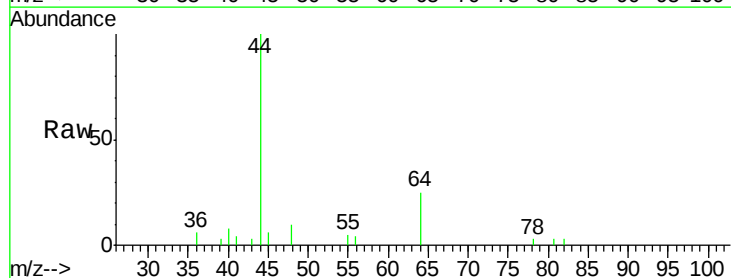
Tgt Ion: 59 Resp: 514
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

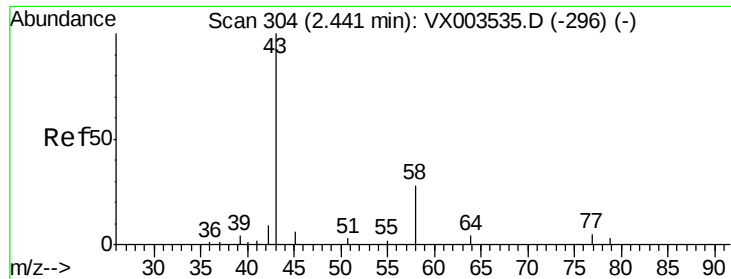


#13

Acrolein
Concen: 0.579 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003608.D
Acq: 23 Jul 2018 16:56

Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 9.209 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

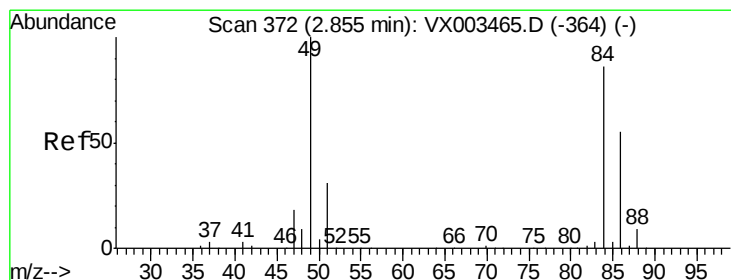
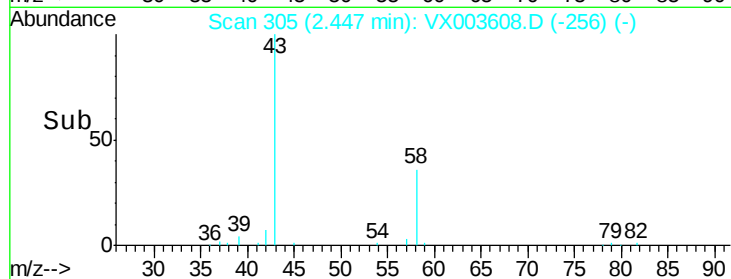
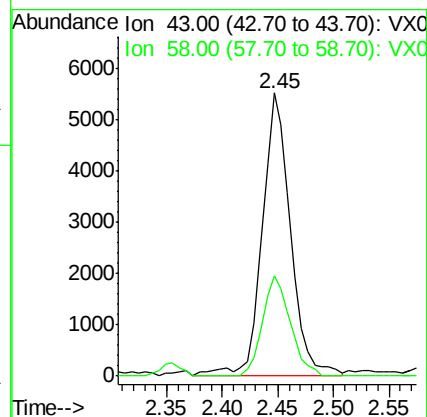
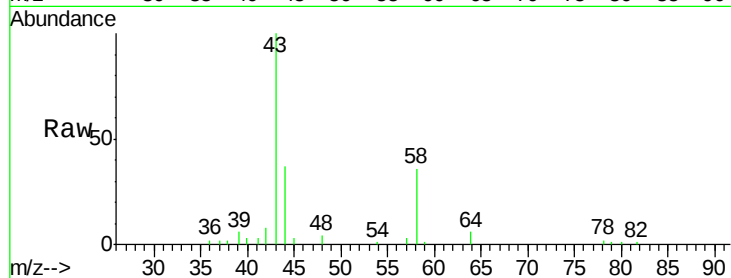
YT-MW-1

Tgt Ion: 43 Resp: 9880

Ion Ratio Lower Upper

43 100

58 35.6 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

Tgt Ion: 84 Resp: 616

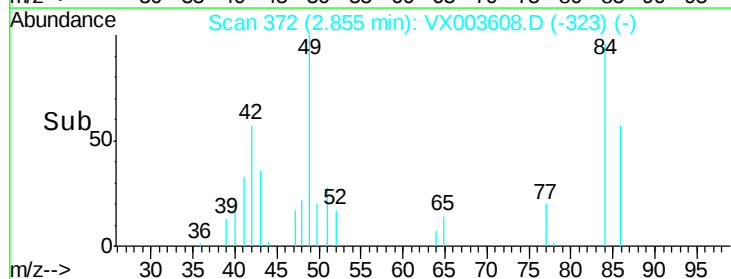
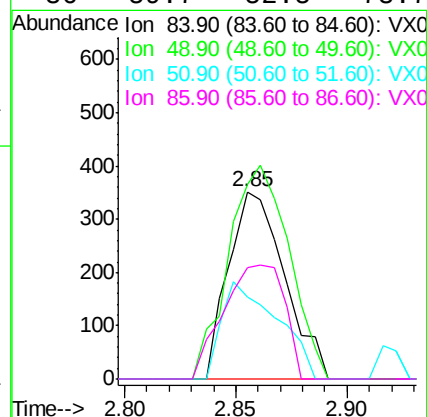
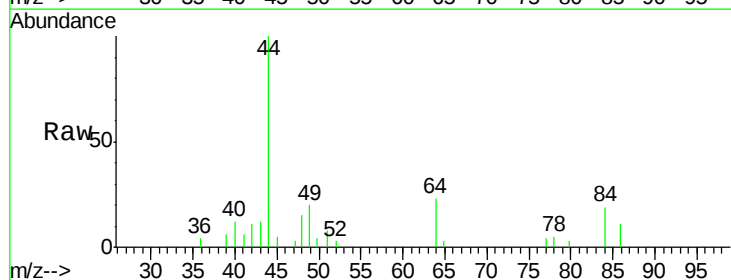
Ion Ratio Lower Upper

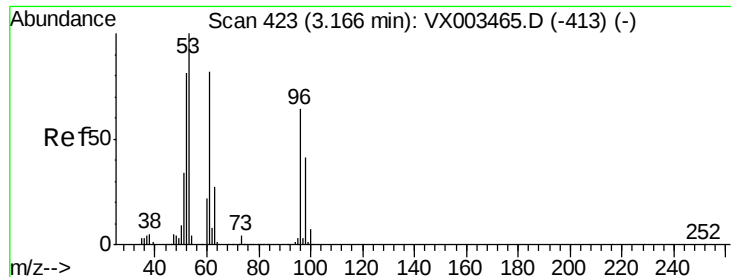
84 100

49 104.0 107.8 161.6#

51 43.8 32.8 49.2

86 59.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.315 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

YT-MW-1

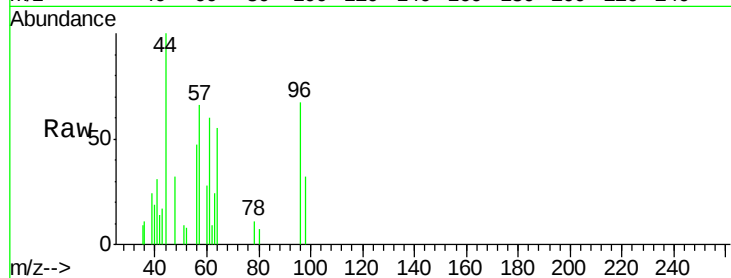
Tgt Ion: 96 Resp: 860

Ion Ratio Lower Upper

96 100

61 89.1 117.0 175.4#

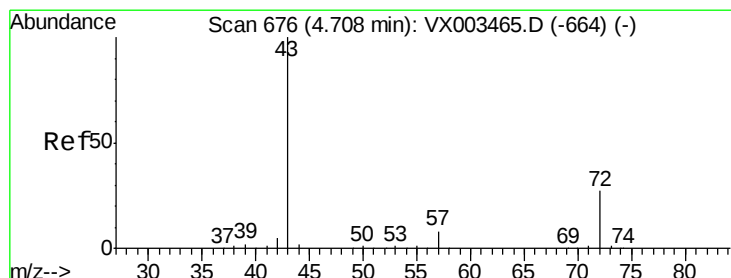
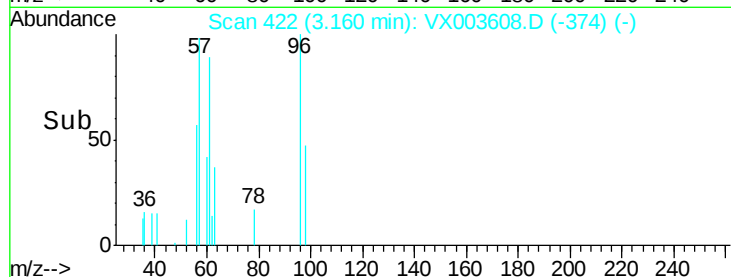
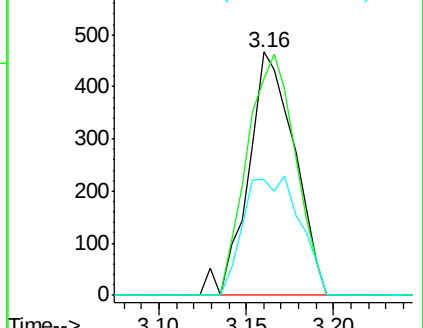
98 47.3 52.4 78.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 1.197 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003608.D

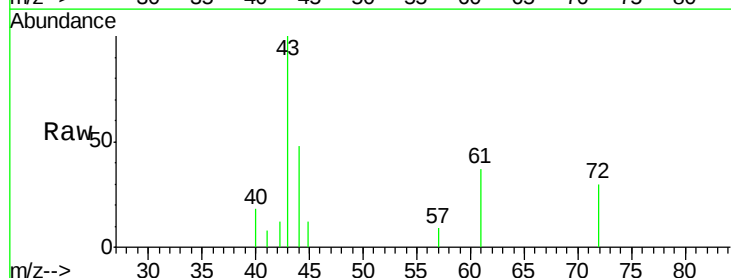
Acq: 23 Jul 2018 16:56

Tgt Ion: 43 Resp: 2154

Ion Ratio Lower Upper

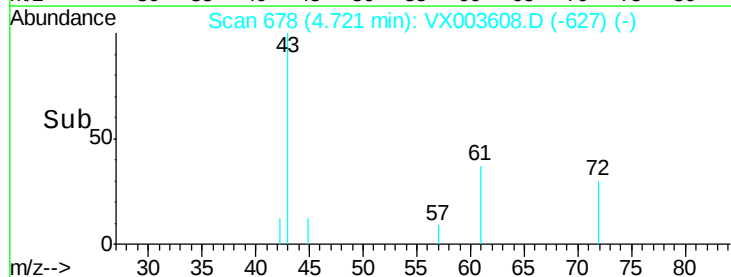
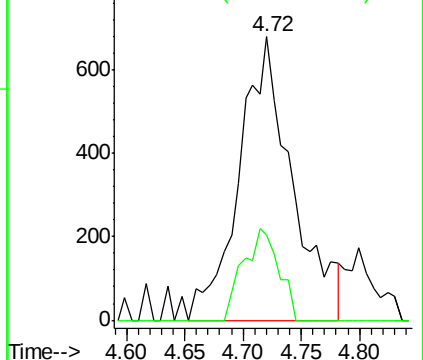
43 100

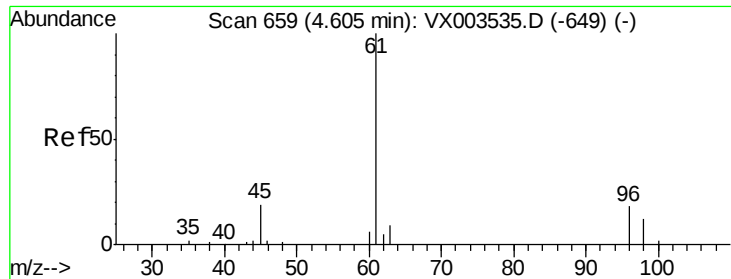
72 29.9 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

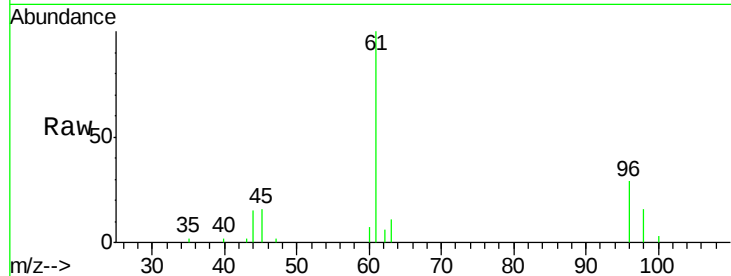




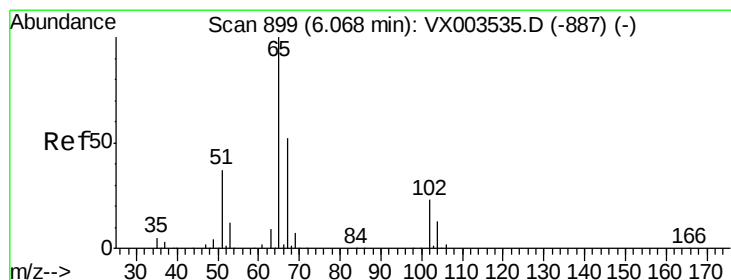
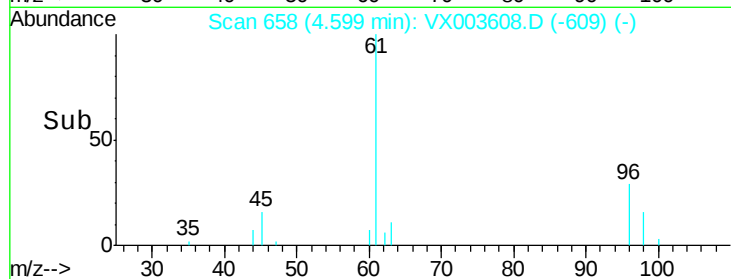
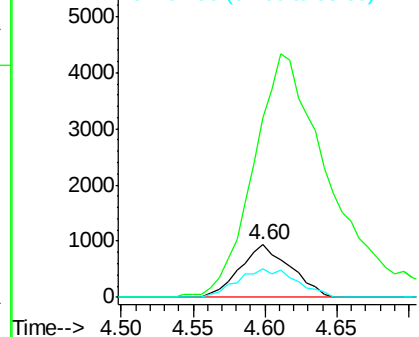
#27
 cis-1,2-Dichloroethene
 Concen: 0.757 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-1

Tgt Ion: 96 Resp: 2299
 Ion Ratio Lower Upper
 96 100
 61 710.4 0.0 330.2#
 98 61.5 0.0 130.2

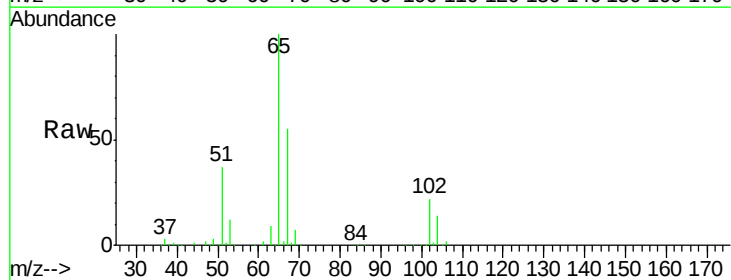


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

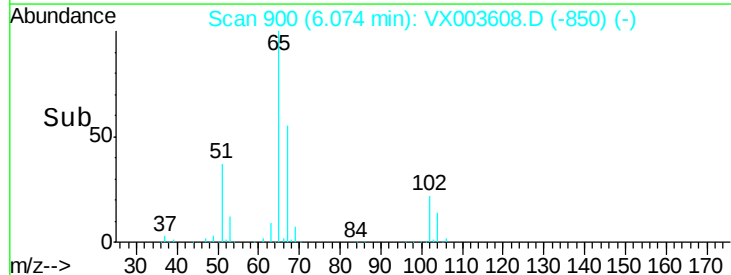
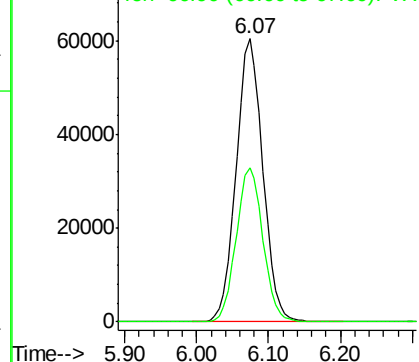


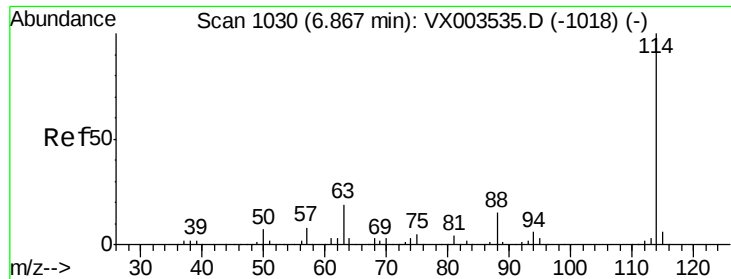
#33
 1,2-Dichloroethane-d4
 Concen: 54.712 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

Tgt Ion: 65 Resp: 155395
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 102.6



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

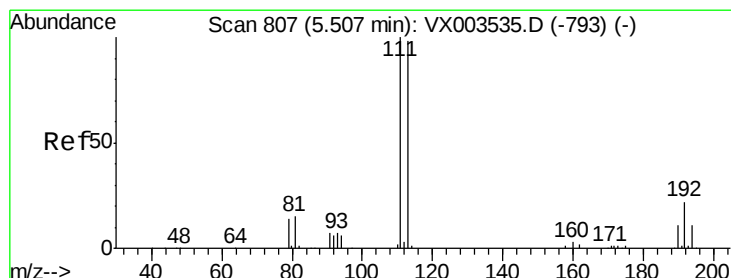
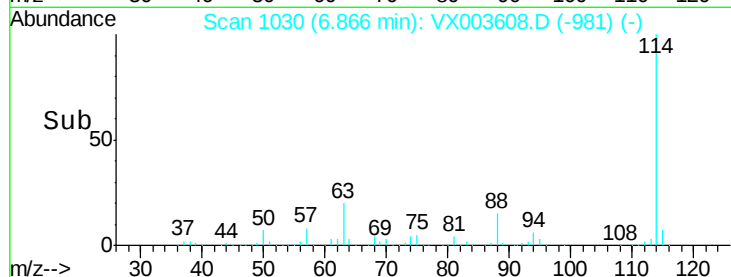
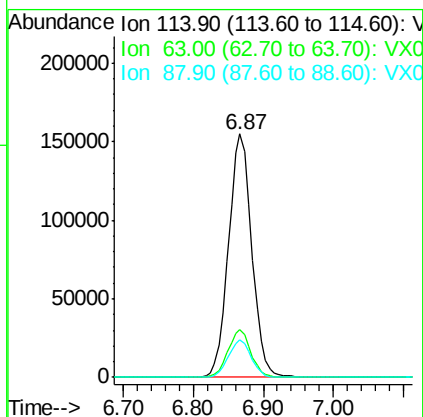
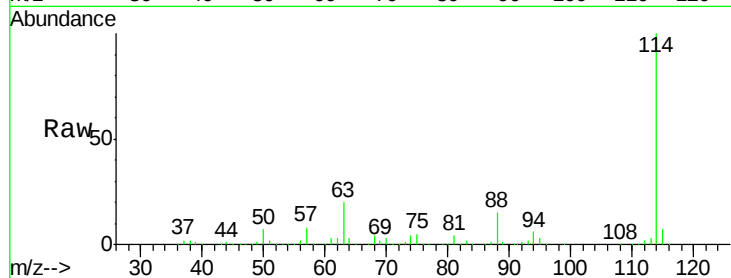




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

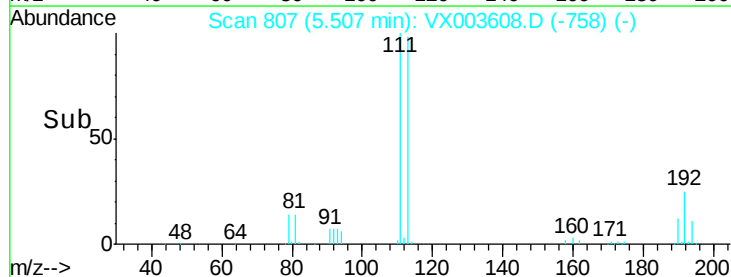
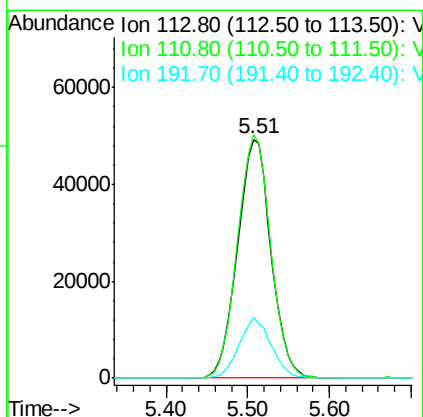
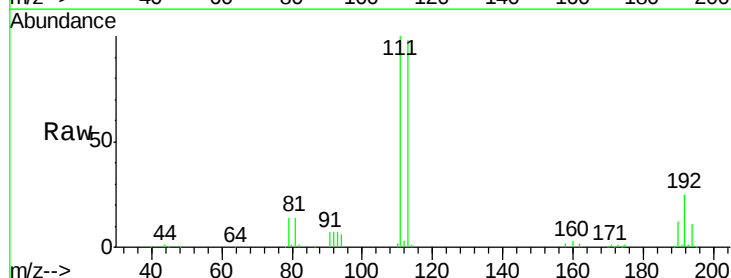
Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-1

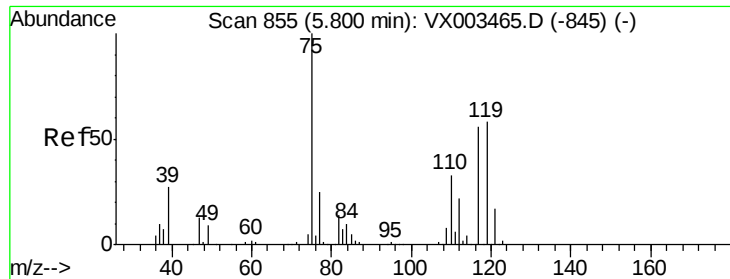
Tgt Ion:114 Resp: 357730
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.3 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 51.290 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

Tgt Ion:113 Resp: 139751
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.4 122.0
 192 24.2 19.1 28.7

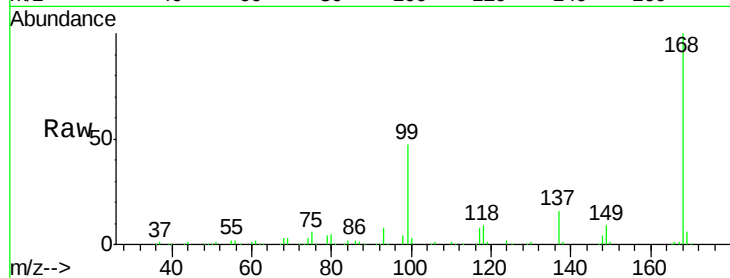




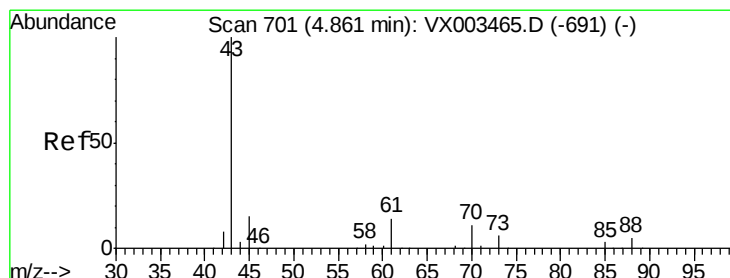
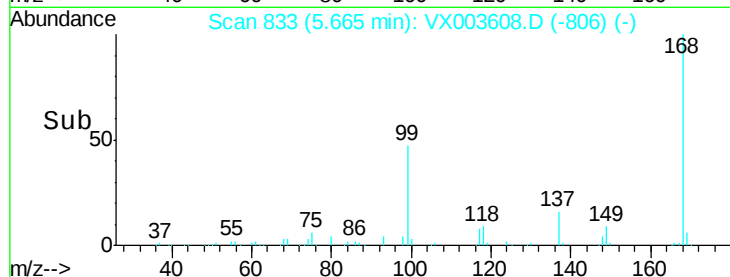
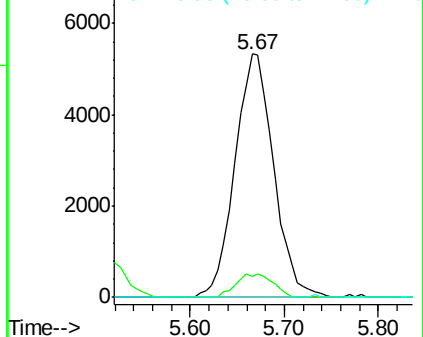
#36
 1,1-Dichloropropene
 Concen: 3.931 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-1

Tgt Ion: 75 Resp: 15182
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.4#
 77 0.0 24.3 36.5#

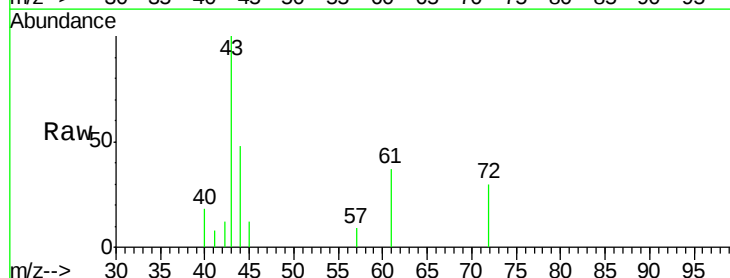


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

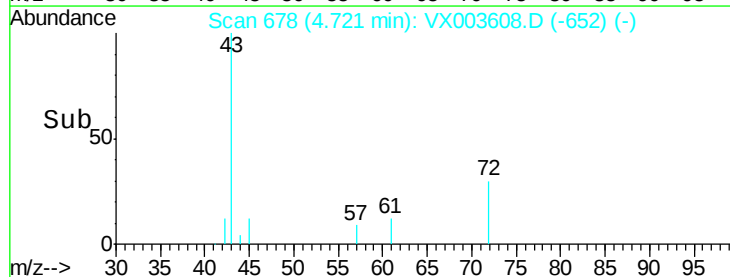
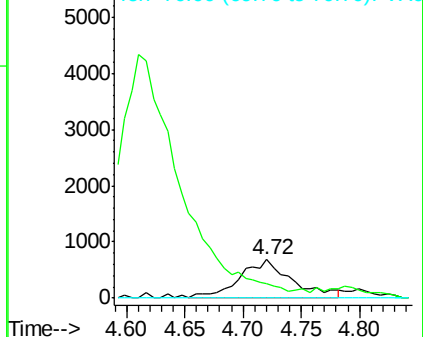


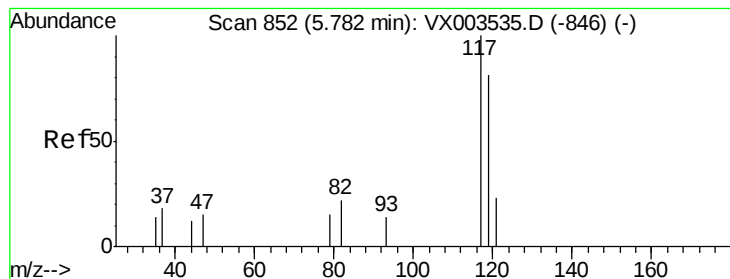
#37
 Ethyl Acetate
 Concen: 0.589 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.14 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

Tgt Ion: 43 Resp: 2154
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.369 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-1

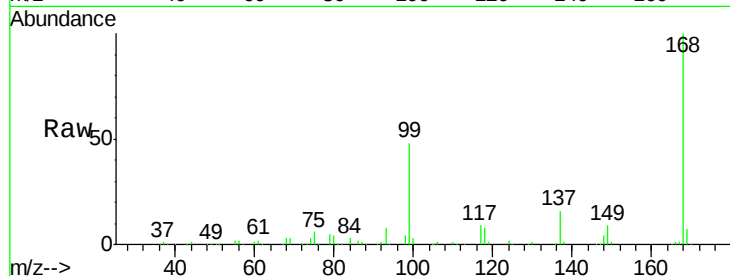
Tgt Ion:117 Resp: 20339

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

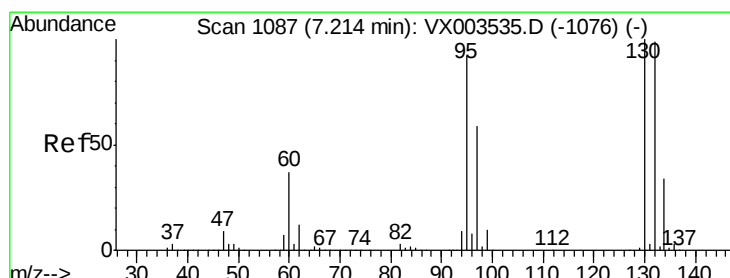
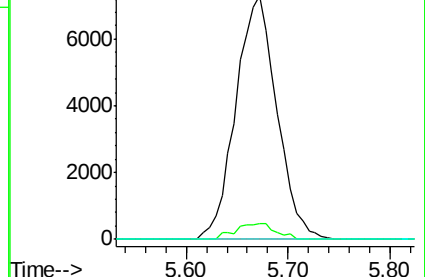
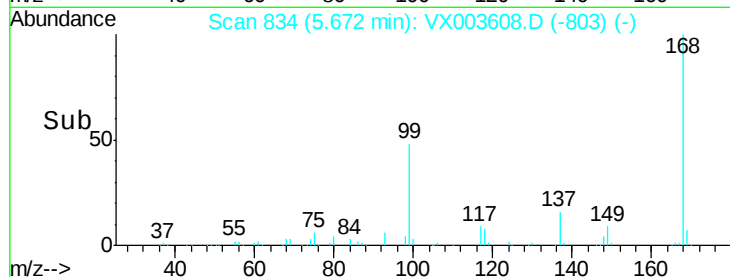
121 0.0 24.4 36.6#



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



#44

Trichloroethene

Concen: 0.490 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003608.D

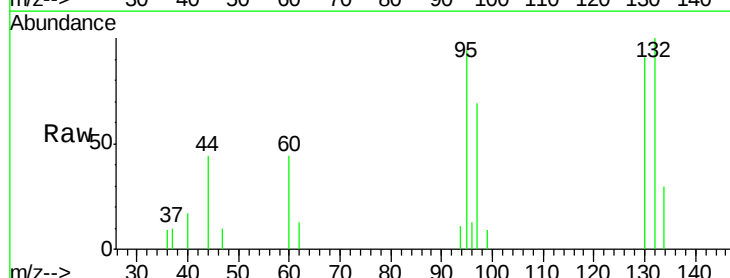
Acq: 23 Jul 2018 16:56

Tgt Ion:130 Resp: 1704

Ion Ratio Lower Upper

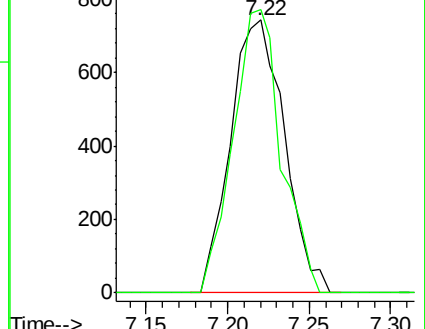
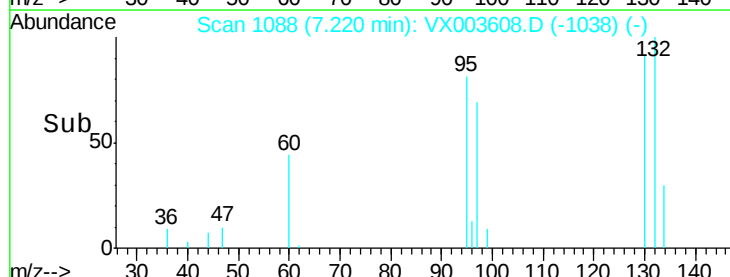
130 100

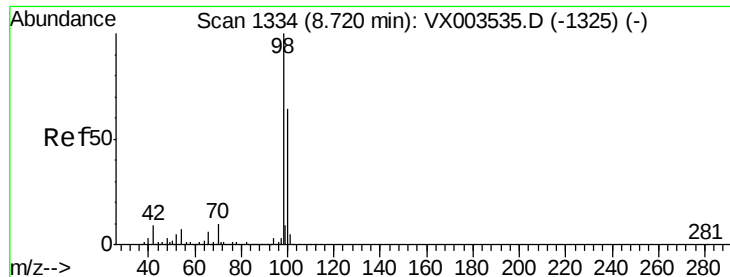
95 103.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.722 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

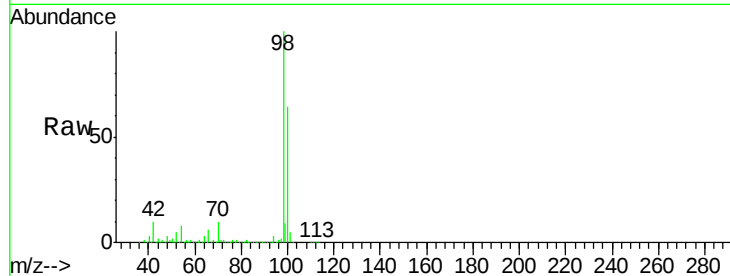
YT-MW-1

Tgt Ion: 98 Resp: 509211

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

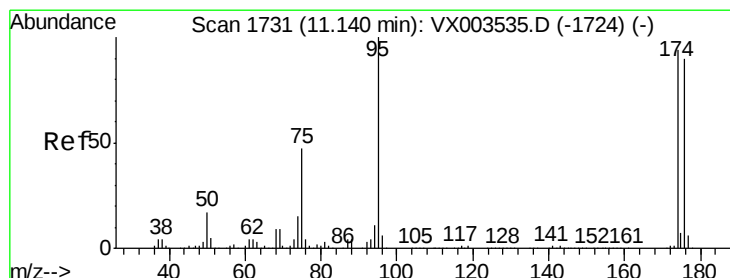
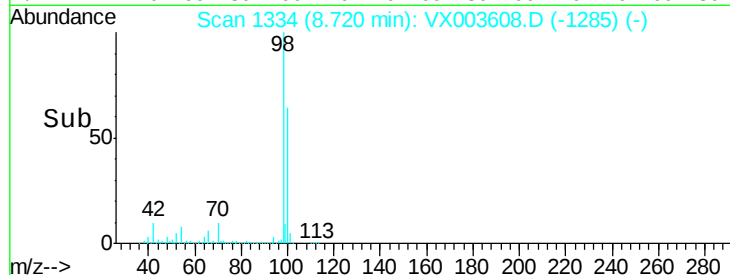
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.776 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003608.D

Acq: 23 Jul 2018 16:56

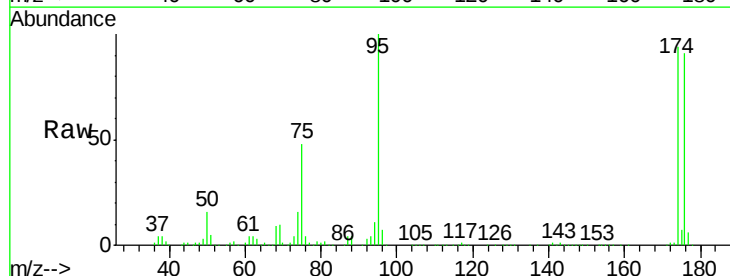
Tgt Ion: 95 Resp: 171083

Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

176 93.3 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

11.14

150000

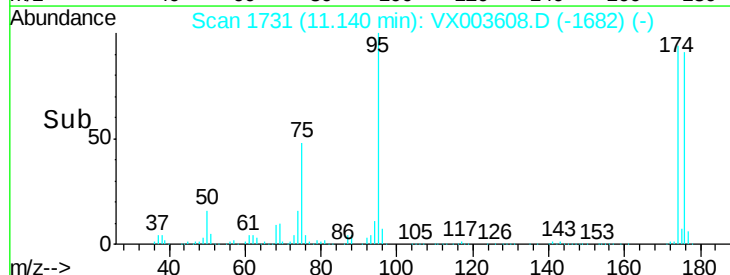
100000

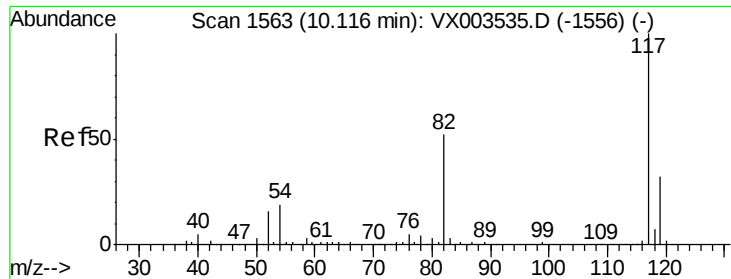
50000

0

11.10 11.20

Time-->

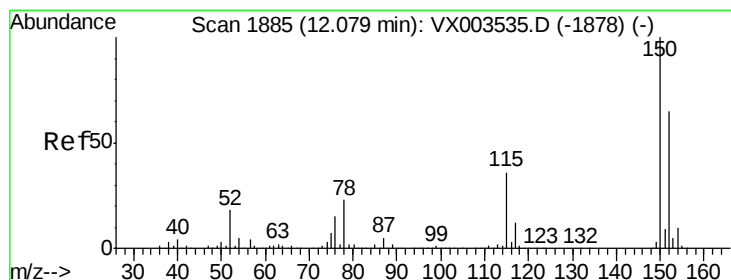
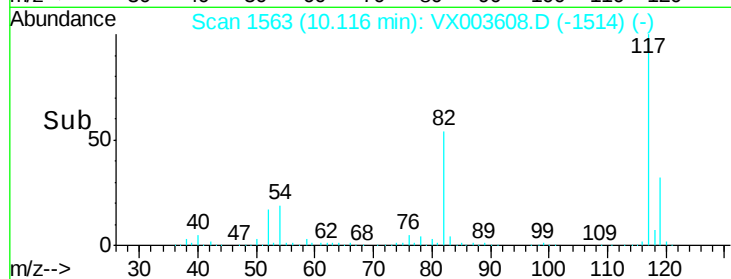
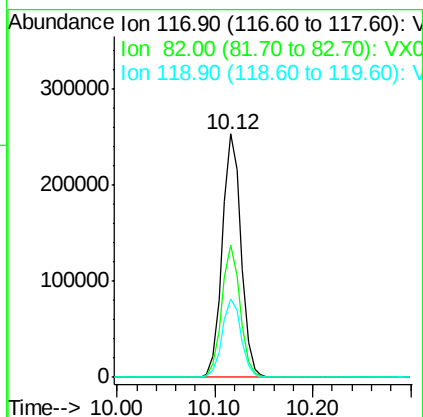
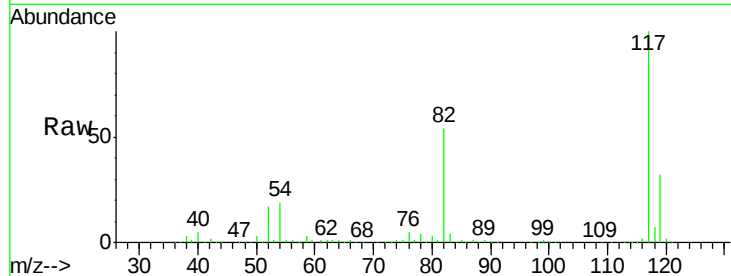




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003608.D
Acq: 23 Jul 2018 16:56

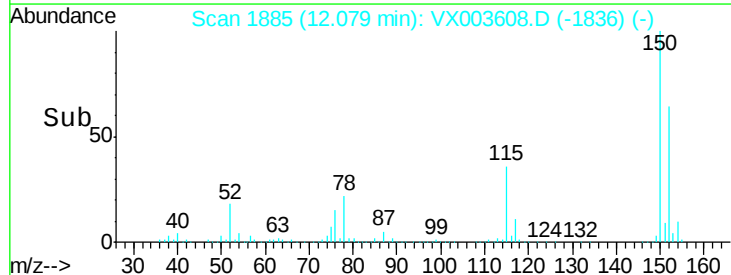
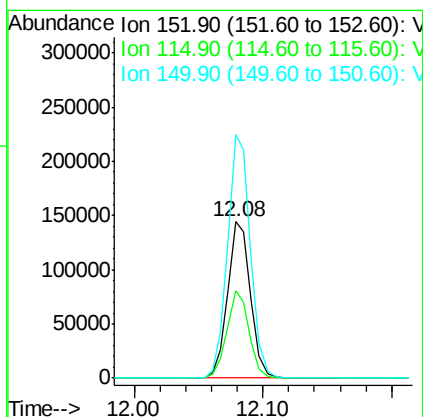
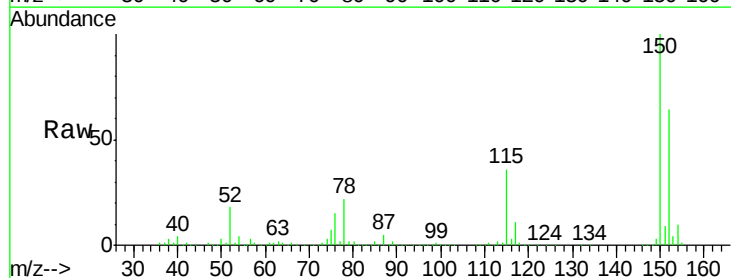
Instrument :
MSVOA_X
ClientSampled :
YT-MW-1

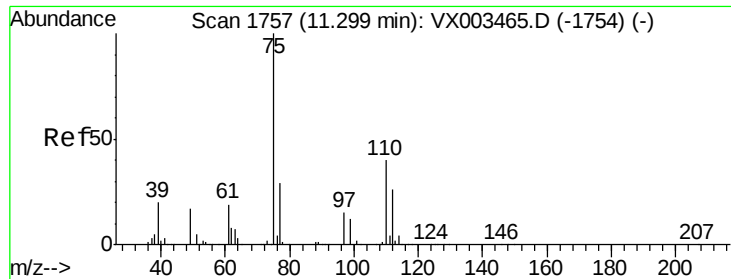
Tgt Ion:117 Resp: 337446
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003608.D
Acq: 23 Jul 2018 16:56

Tgt Ion:152 Resp: 179539
Ion Ratio Lower Upper
152 100
115 54.2 40.1 120.2
150 155.7 0.0 347.2

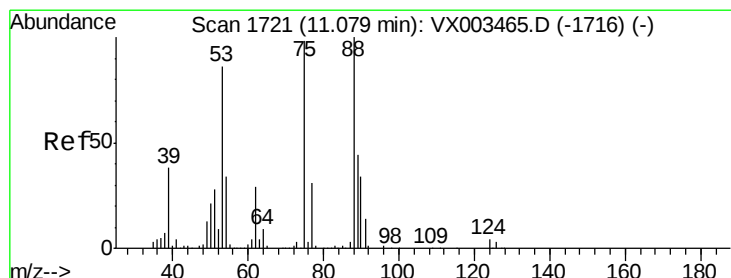
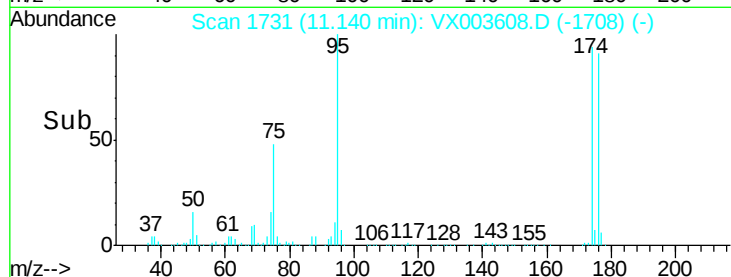
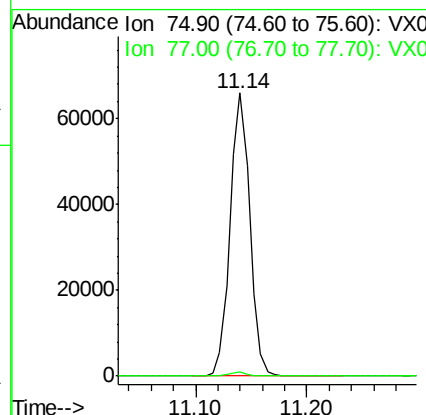
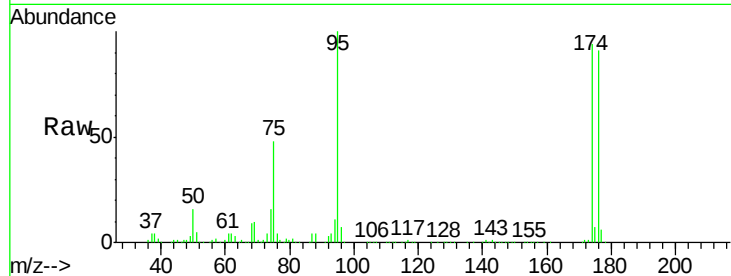




#76
 1,2,3-Trichloropropane
 Concen: 25.067 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

Instrument :
 MSVOA_X
 ClientSampled :
 YT-MW-1

Tgt Ion: 75 Resp: 80851
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.191 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003608.D
 Acq: 23 Jul 2018 16:56

Tgt Ion: 75 Resp: 80851
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

