

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003618.D
 Acq On : 23 Jul 2018 22:16
 Operator : JC/SP
 Sample : VX0723WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBL02

Quant Time: Jul 24 01:44:53 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	255667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	374834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196382	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	160545	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
35) Dibromofluoromethane	5.51	113	143580	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	8.72	98	536148	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	180792	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

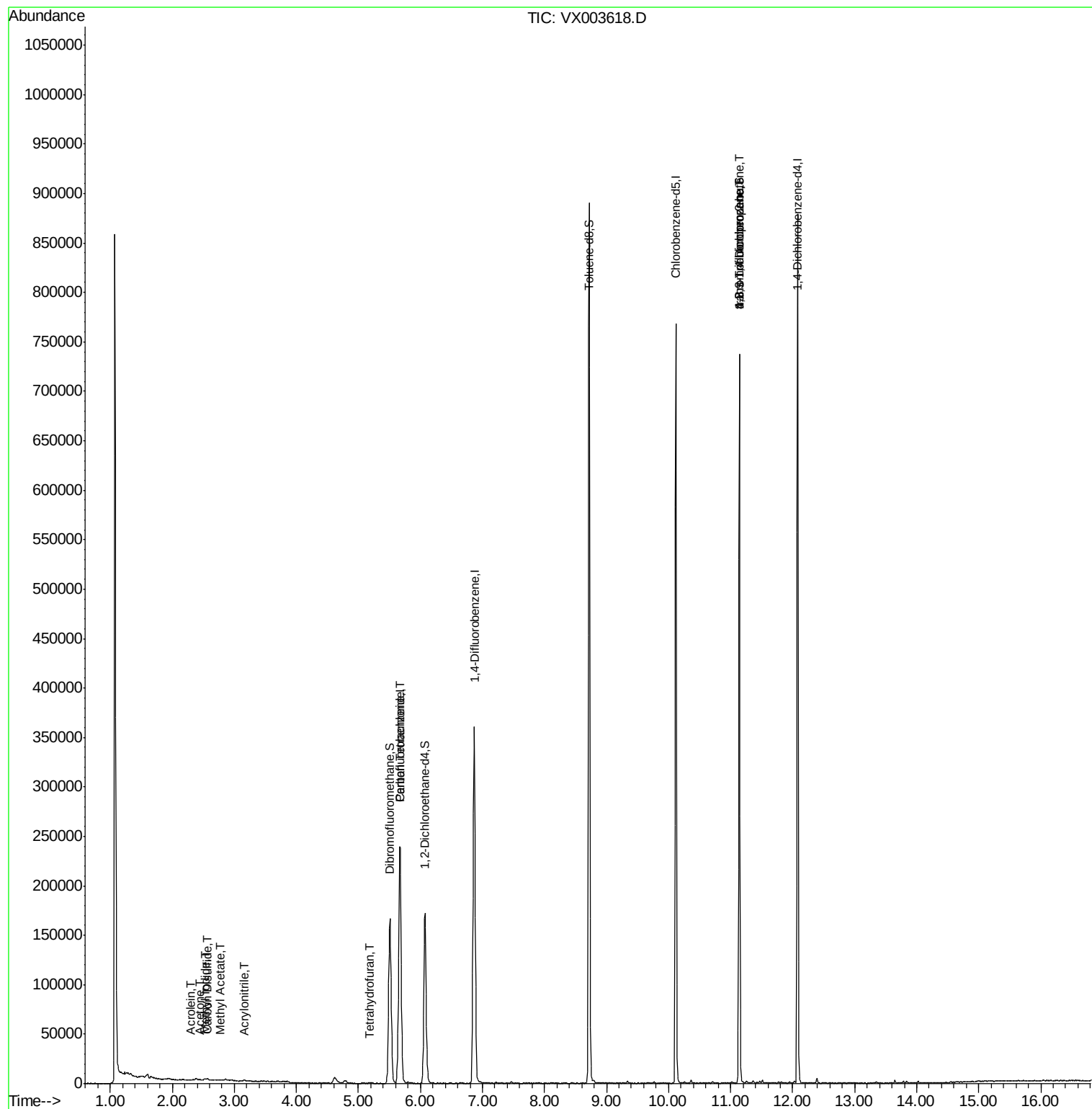
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	207	Below Cal		85
3) Chloromethane	1.32	50	684	Below Cal	#	73
5) Bromomethane	1.65	94	2073	Below Cal		91
10) Methyl Iodide	2.53	142	2042	0.599	ug/l	94
13) Acrolein	2.31	56	99	0.366	ug/l #	14
15) Acrylonitrile	3.15	53	454	0.298	ug/l	97
16) Acetone	2.45	43	818	0.716	ug/l #	67
17) Carbon Disulfide	2.57	76	2139	0.301	ug/l #	81
18) Methyl Acetate	2.78	43	918	0.255	ug/l #	71
20) Methylene Chloride	2.86	84	606	Below Cal	#	76
29) Tetrahydrofuran	5.18	42	511	0.403	ug/l #	88
38) Carbon Tetrachloride	5.67	117	22447	5.655	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	86110	24.408	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86110	68.407	ug/l #	7

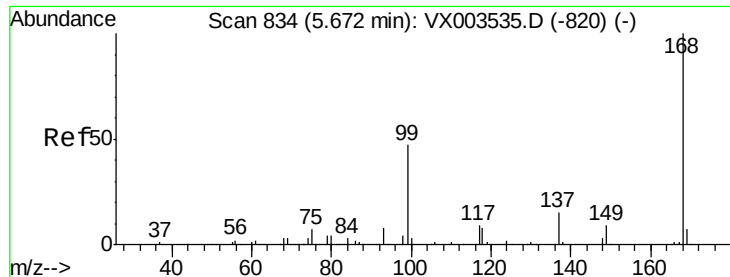
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
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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: VX003618.D

Acq: 23 Jul 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

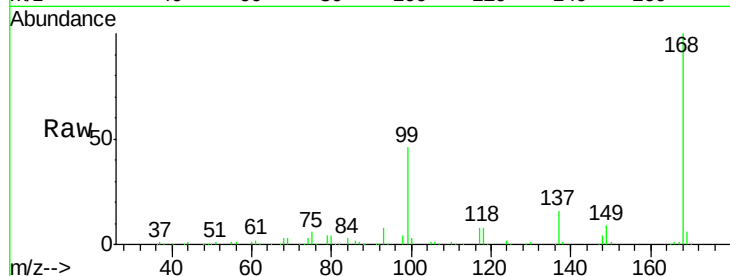
VX0723WBL02

Tgt Ion:168 Resp: 255667

Ion Ratio Lower Upper

168 100

99 46.1 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

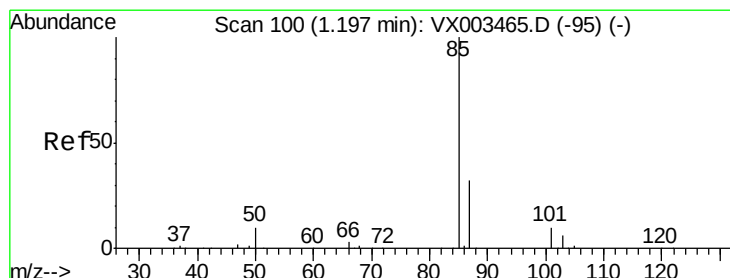
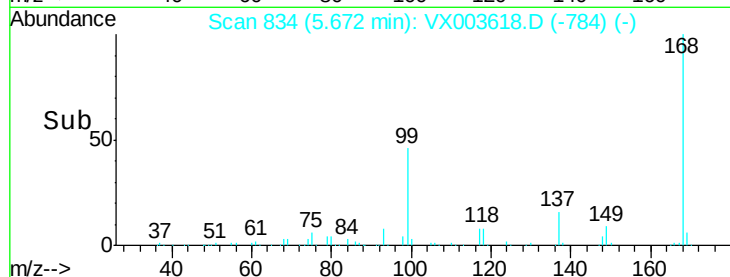
60000

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: VX003618.D

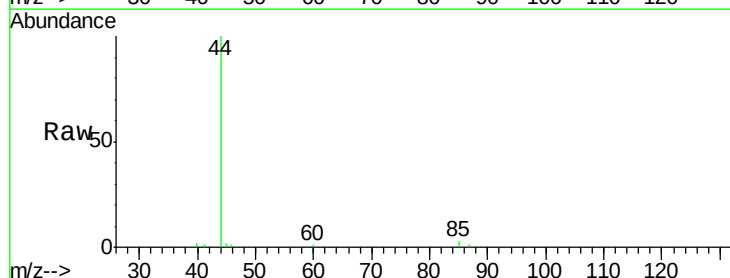
Acq: 23 Jul 2018 22:16

Tgt Ion: 85 Resp: 207

Ion Ratio Lower Upper

85 100

87 23.8 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

300

250

200

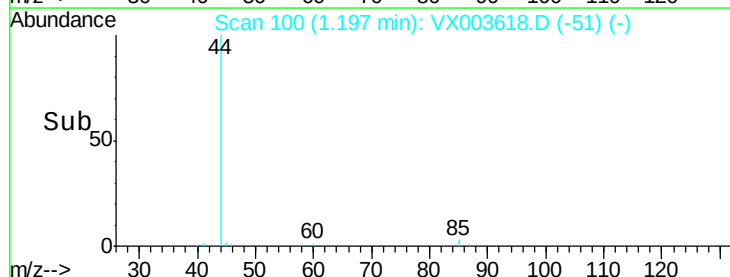
150

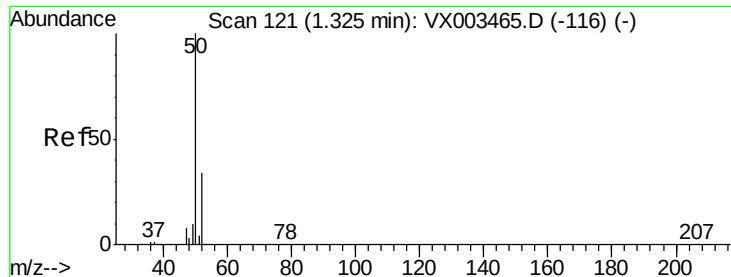
100

50

0

Time--> 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: VX003618.D

Acq: 23 Jul 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

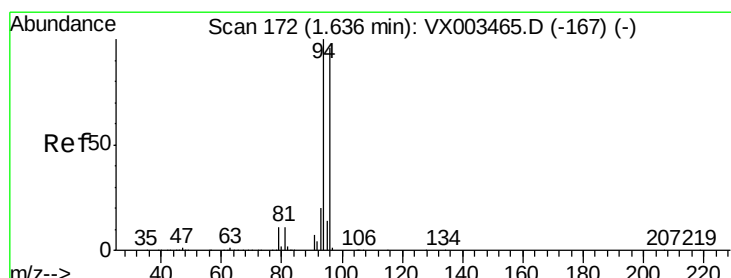
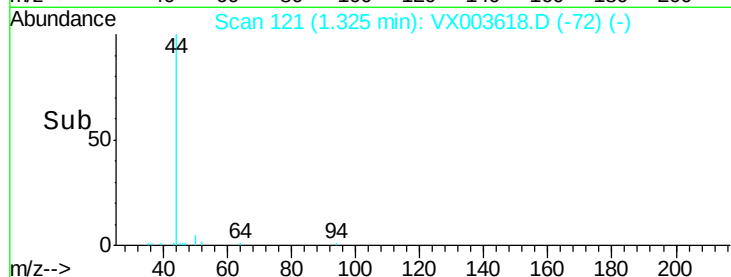
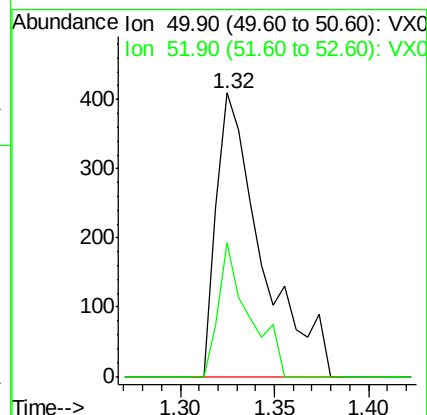
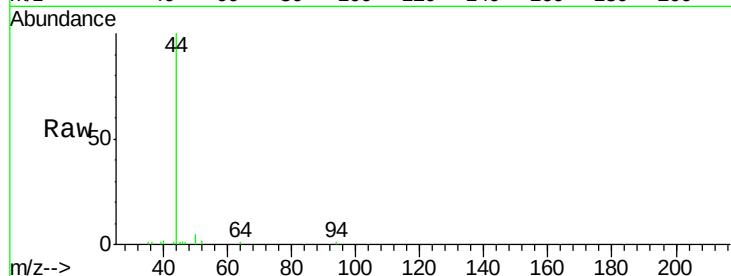
VX0723WBL02

Tgt Ion: 50 Resp: 684

Ion Ratio Lower Upper

50 100

52 47.2 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003618.D

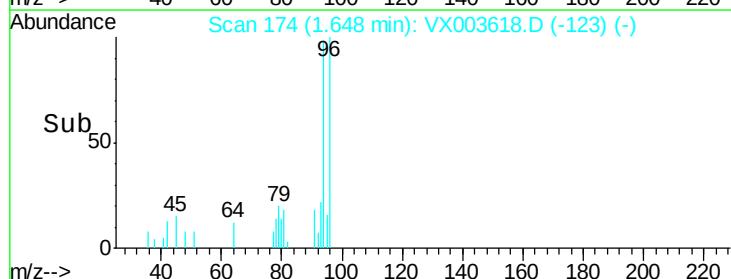
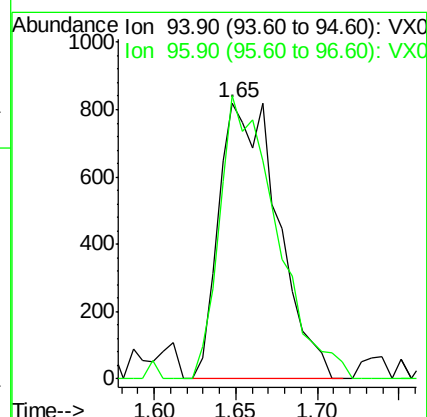
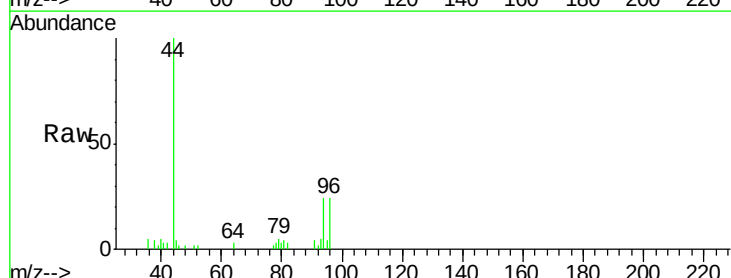
Acq: 23 Jul 2018 22:16

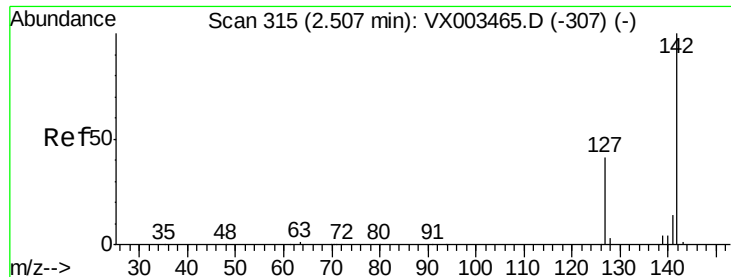
Tgt Ion: 94 Resp: 2073

Ion Ratio Lower Upper

94 100

96 102.6 74.9 112.3

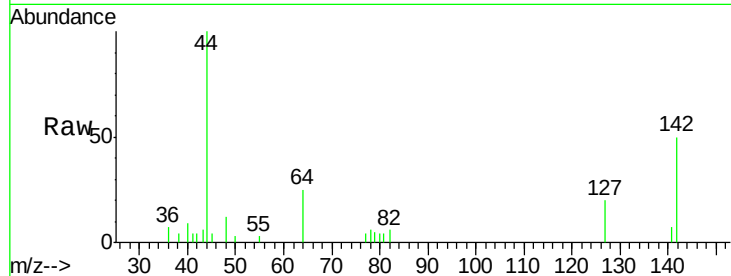




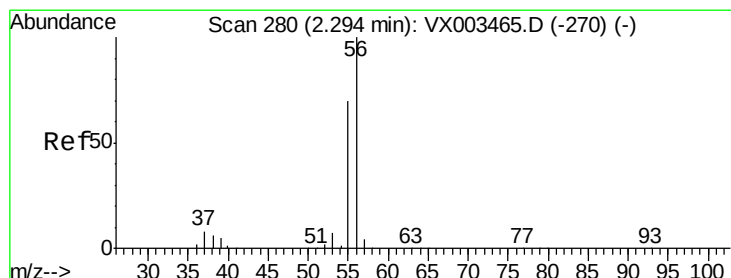
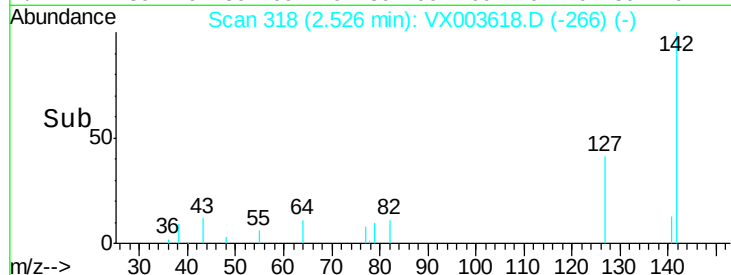
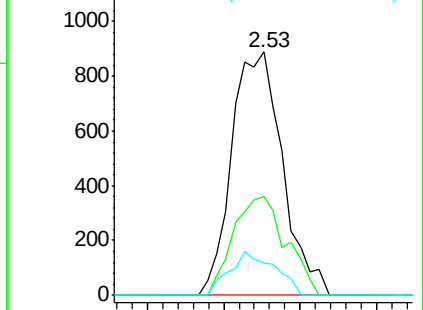
#10
Methyl Iodide
Concen: 0.599 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003618.D
Acq: 23 Jul 2018 22:16

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL02

Tgt Ion: 142 Resp: 2042
Ion Ratio Lower Upper
142 100
127 42.0 36.6 55.0
141 16.2 11.3 16.9

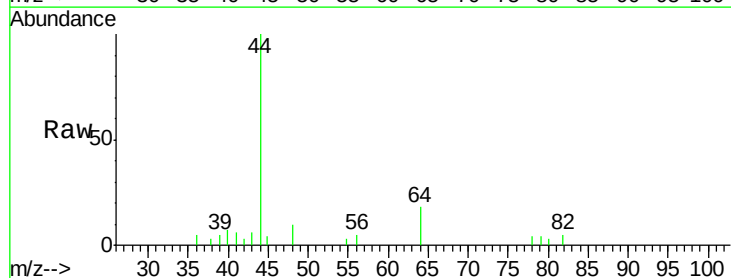


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

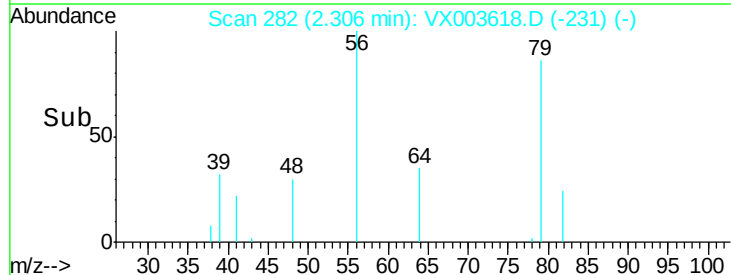
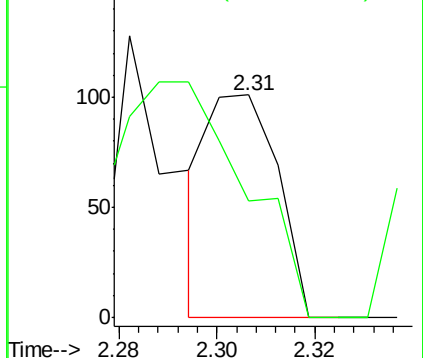


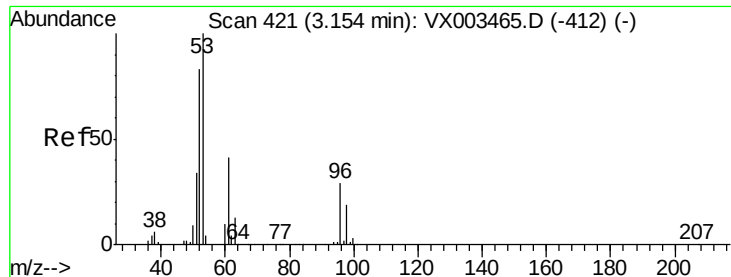
#13
Acrolein
Concen: 0.366 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX003618.D
Acq: 23 Jul 2018 22:16

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.298 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003618.D

Acq: 23 Jul 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBL02

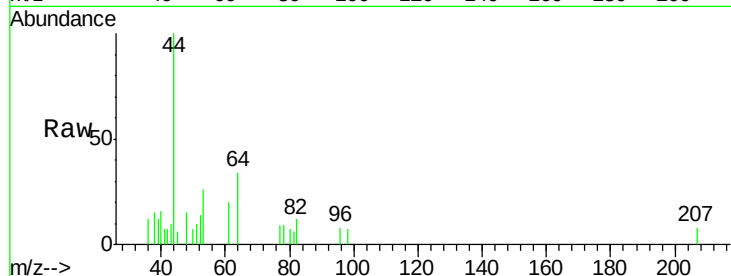
Tgt Ion: 53 Resp: 454

Ion Ratio Lower Upper

53 100

52 82.6 66.7 100.1

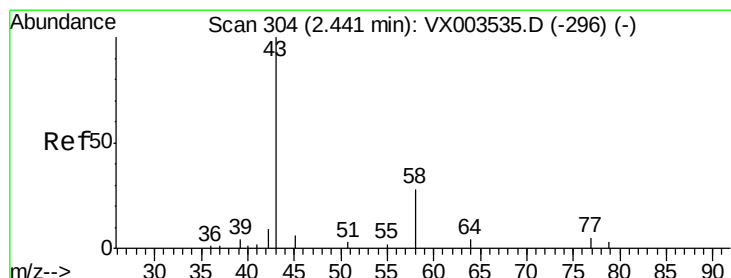
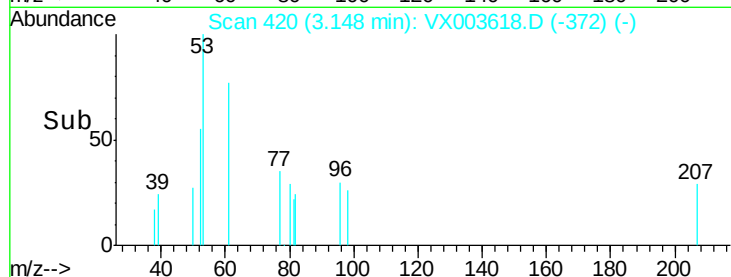
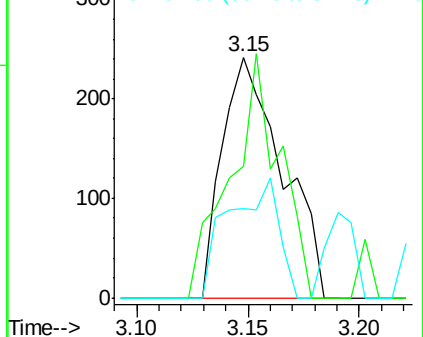
51 41.6 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.716 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003618.D

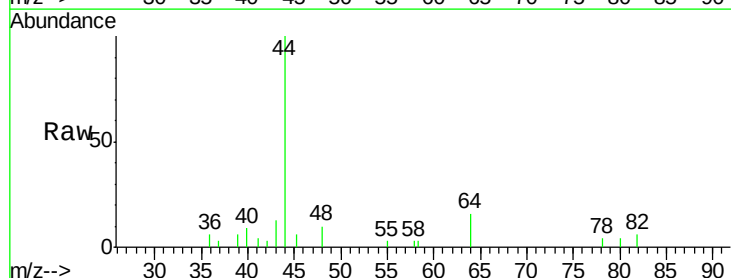
Acq: 23 Jul 2018 22:16

Tgt Ion: 43 Resp: 818

Ion Ratio Lower Upper

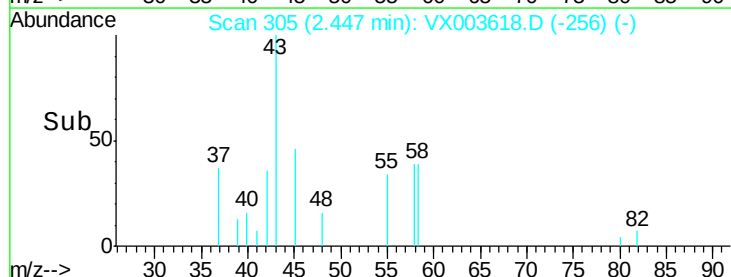
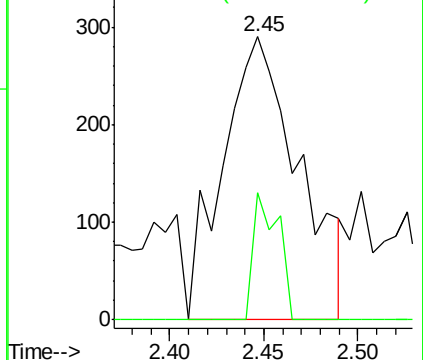
43 100

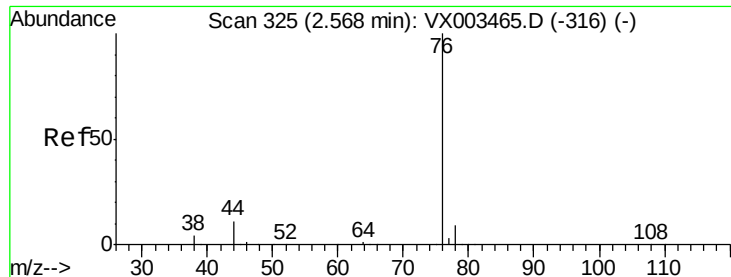
58 44.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.301 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003618.D

Acq: 23 Jul 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

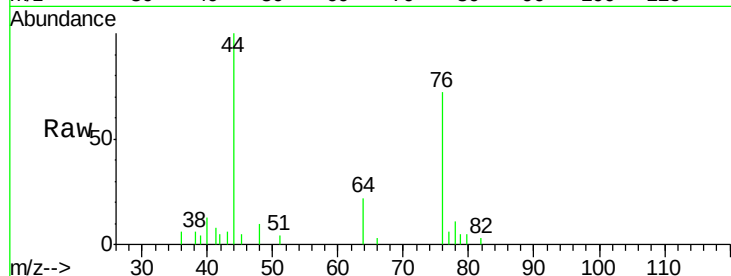
VX0723WBL02

Tgt Ion: 76 Resp: 2139

Ion Ratio Lower Upper

76 100

78 15.6 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

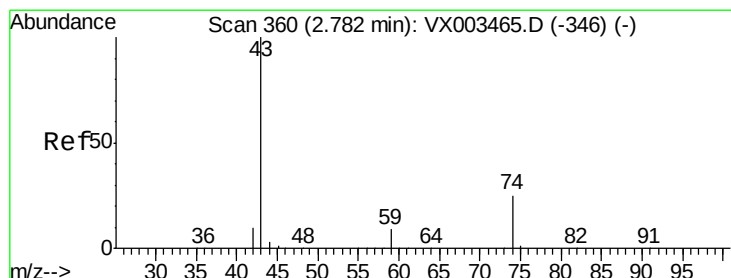
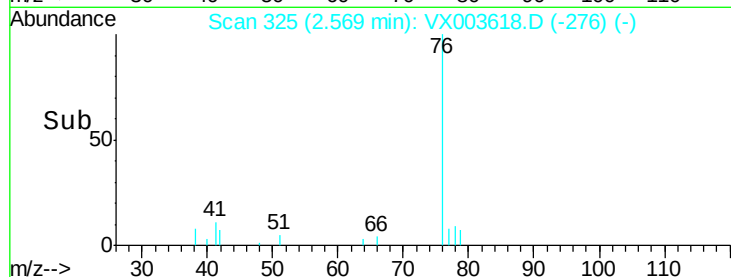
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.255 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003618.D

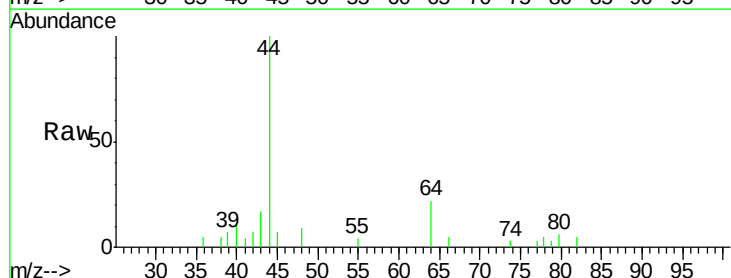
Acq: 23 Jul 2018 22:16

Tgt Ion: 43 Resp: 918

Ion Ratio Lower Upper

43 100

74 7.4 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

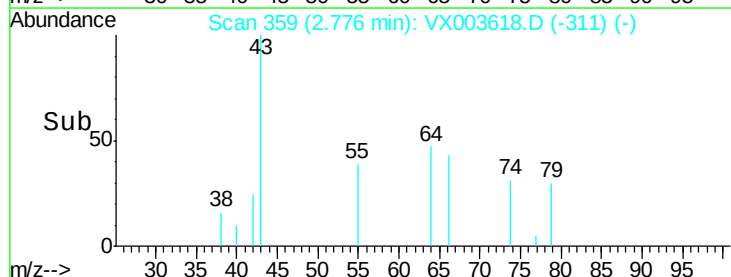
300

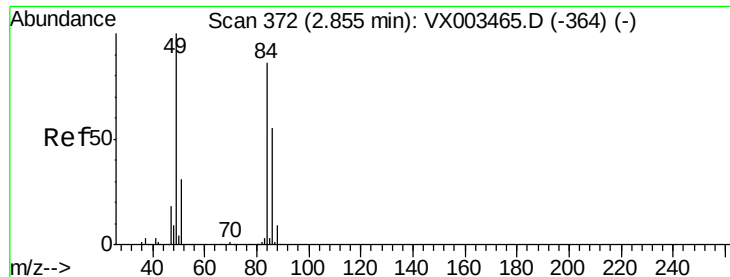
200

100

0

Time-->

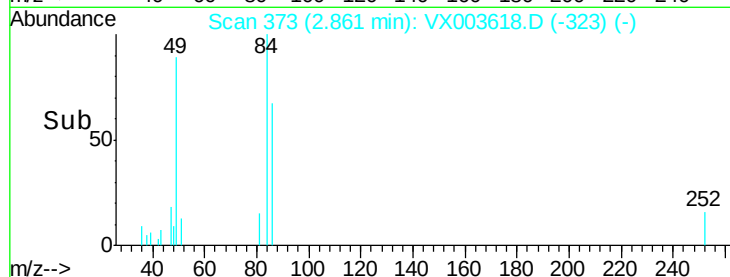
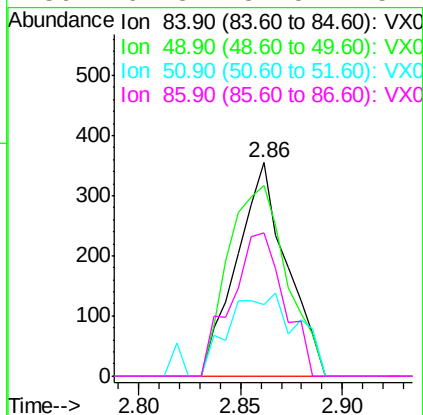
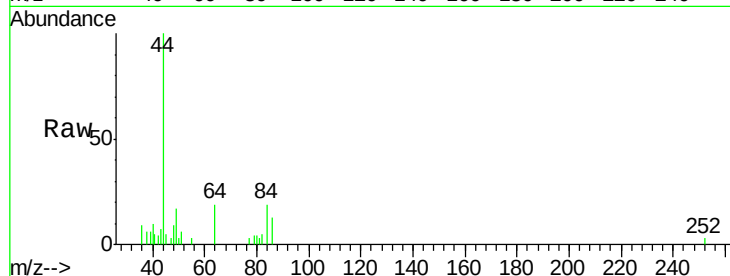




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003618.D
Acq: 23 Jul 2018 22:16

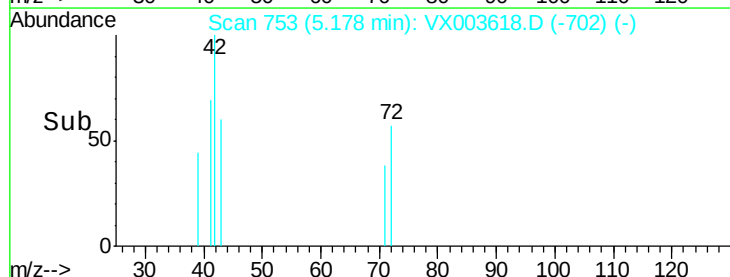
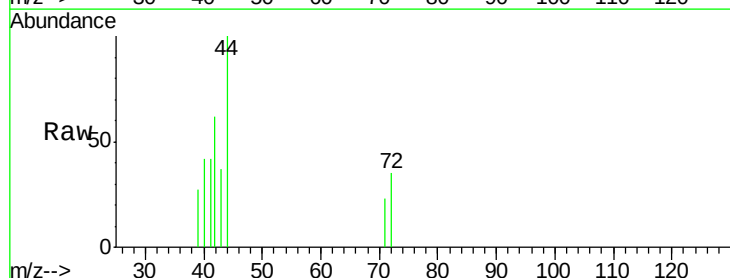
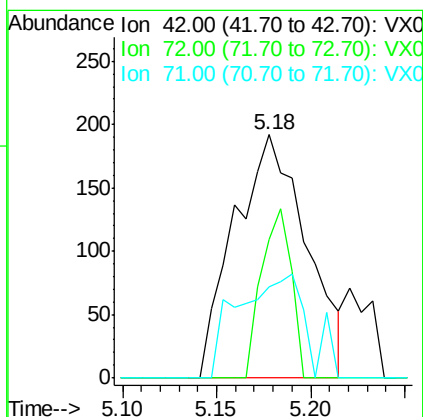
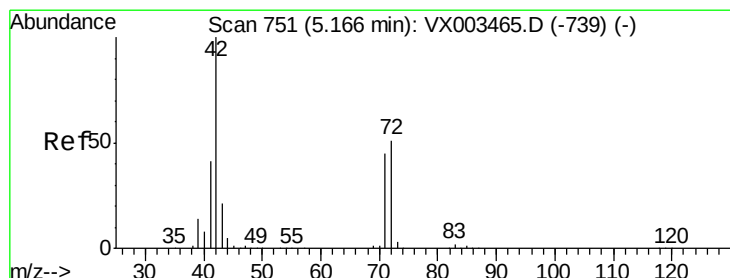
Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL02

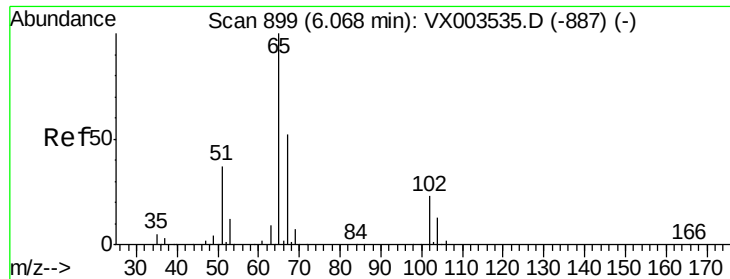
Tgt Ion: 84 Resp: 606
Ion Ratio Lower Upper
84 100
49 89.3 107.8 161.6#
51 33.5 32.8 49.2
86 67.3 52.5 78.7



#29
Tetrahydrofuran
Concen: 0.403 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003618.D
Acq: 23 Jul 2018 22:16

Tgt Ion: 42 Resp: 511
Ion Ratio Lower Upper
42 100
72 28.6 32.0 48.0#
71 41.1 30.1 45.1

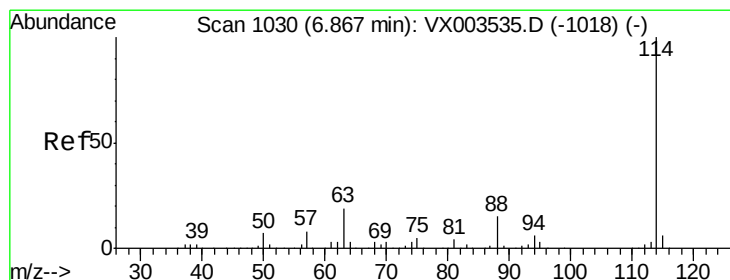
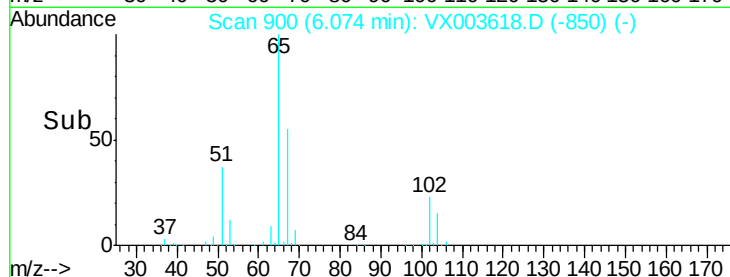
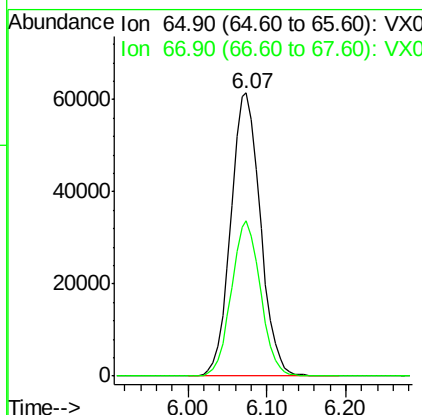
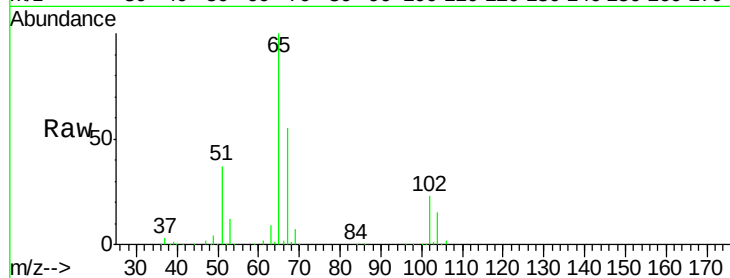




#33
 1,2-Dichloroethane-d4
 Concen: 53.048 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003618.D
 Acq: 23 Jul 2018 22:16

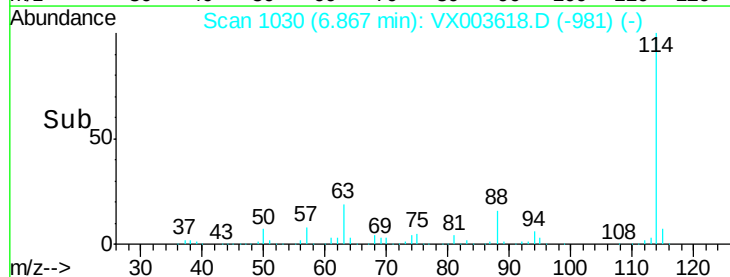
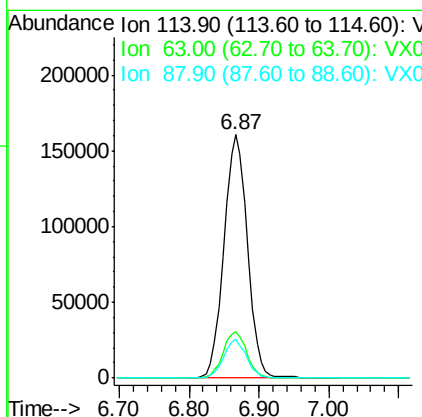
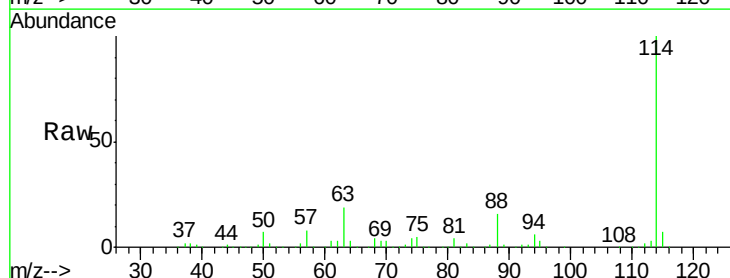
Instrument :
 MSVOA_X
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 VX0723WBL02

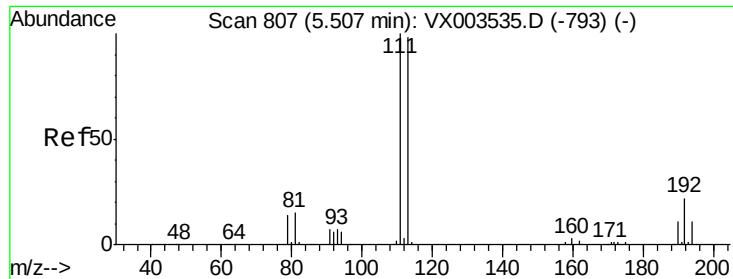
Tgt Ion: 65 Resp: 160545
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003618.D
 Acq: 23 Jul 2018 22:16

Tgt Ion: 114 Resp: 374834
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.7 0.0 30.0

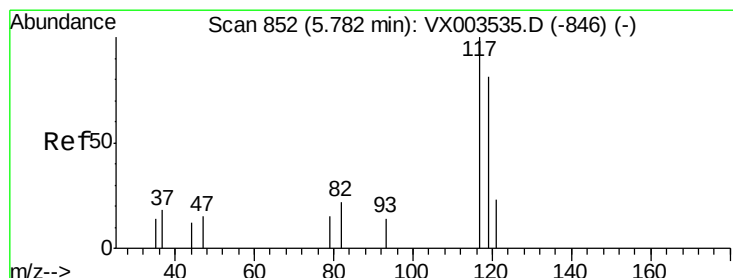
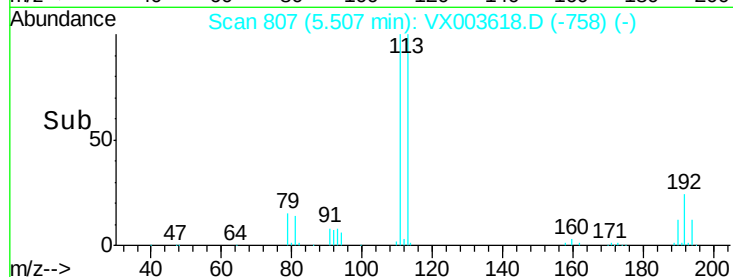
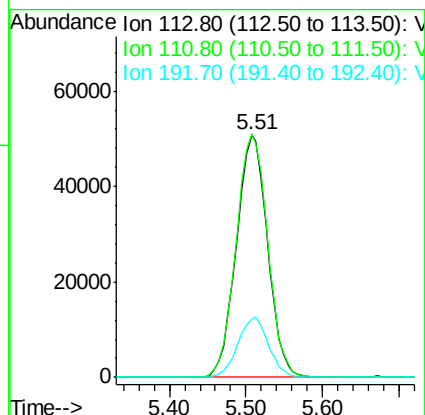
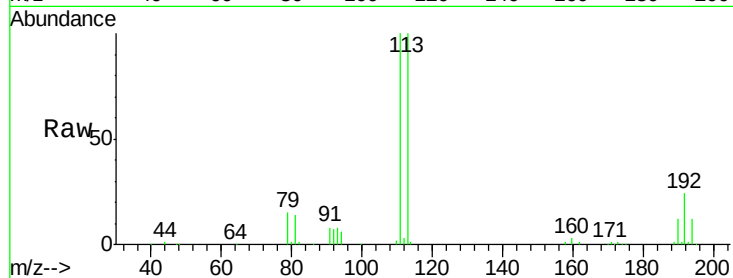




#35
 Dibromofluoromethane
 Concen: 50.291 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003618.D
 Acq: 23 Jul 2018 22:16

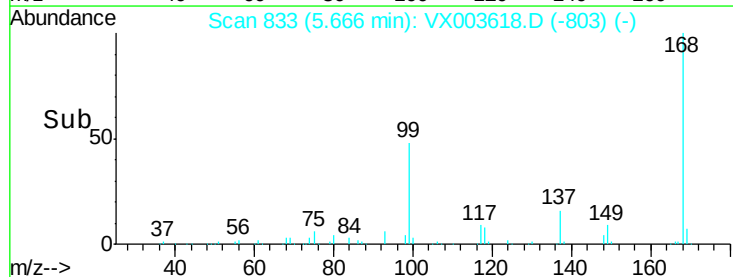
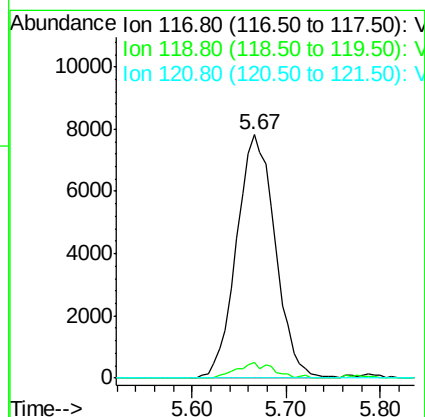
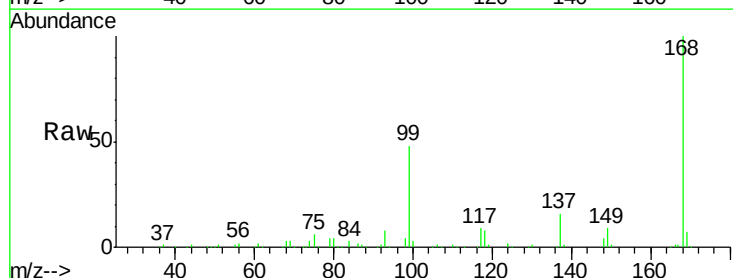
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBL02

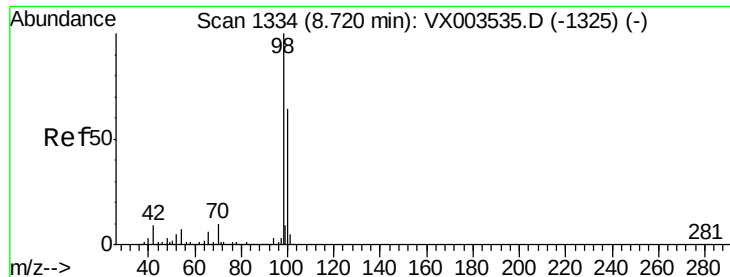
Tgt Ion:113 Resp: 143580
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 24.4 19.1 28.7



#38
 Carbon Tetrachloride
 Concen: 5.655 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003618.D
 Acq: 23 Jul 2018 22:16

Tgt Ion:117 Resp: 22447
 Ion Ratio Lower Upper
 117 100
 119 6.4 77.4 116.0#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.963 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003618.D

Acq: 23 Jul 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

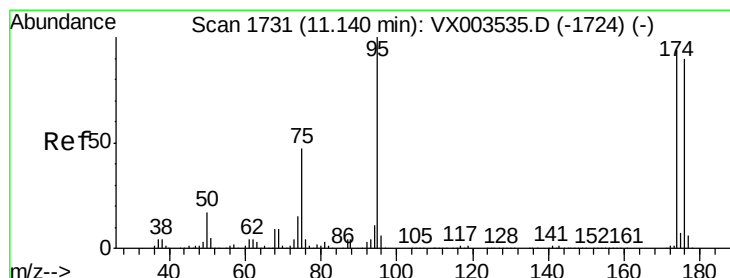
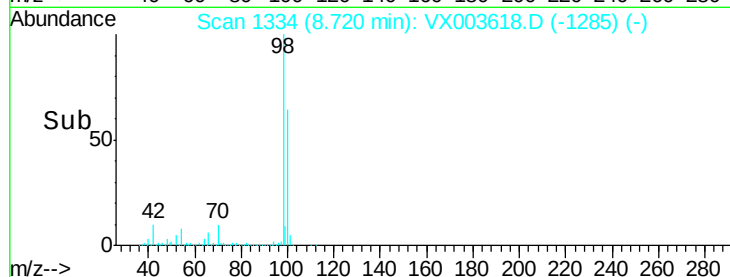
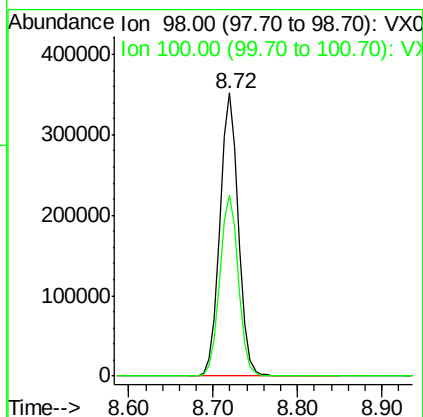
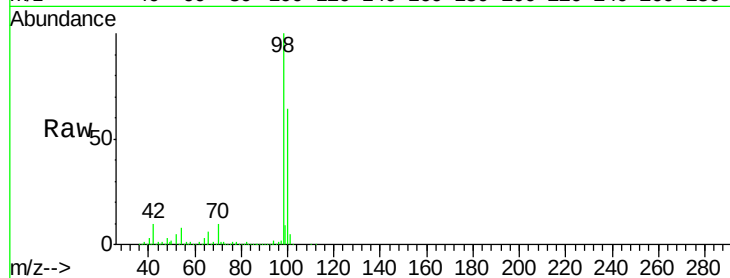
VX0723WBL02

Tgt Ion: 98 Resp: 536148

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 46.166 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003618.D

Acq: 23 Jul 2018 22:16

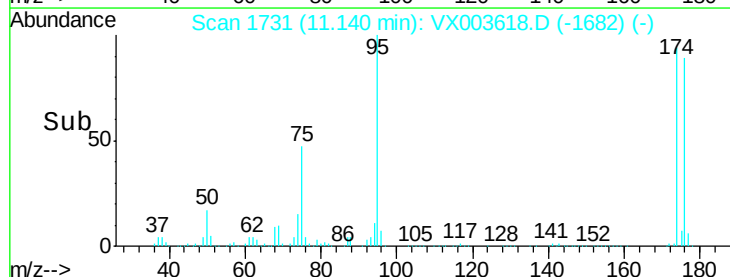
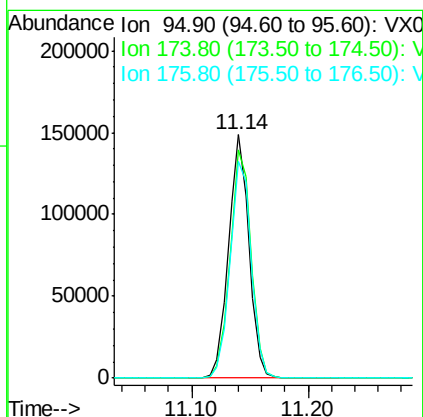
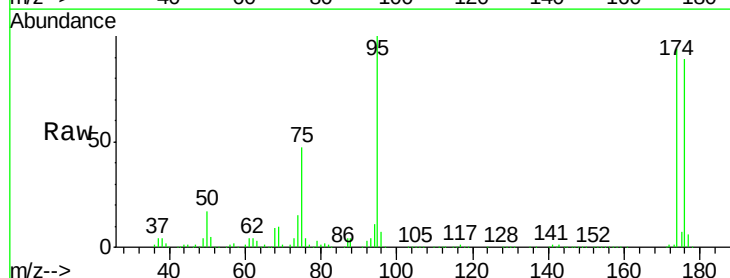
Tgt Ion: 95 Resp: 180792

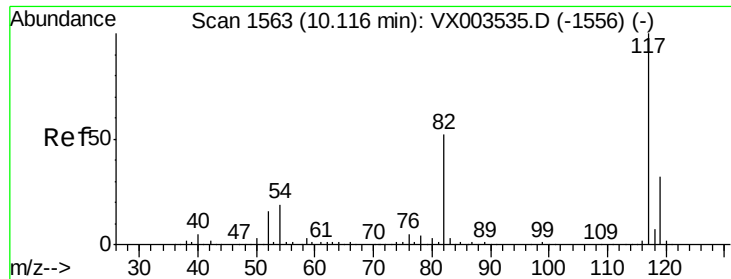
Ion Ratio Lower Upper

95 100

174 97.0 0.0 187.4

176 92.9 0.0 181.0

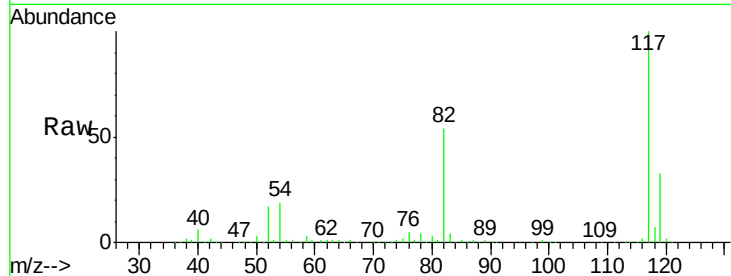




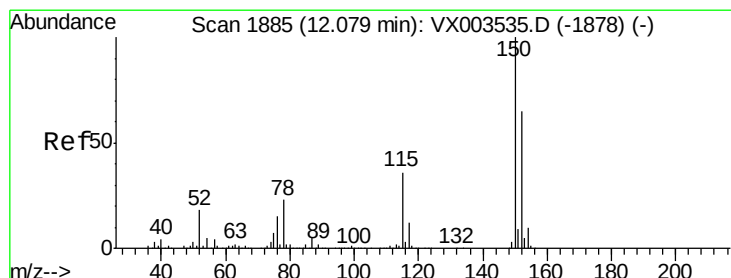
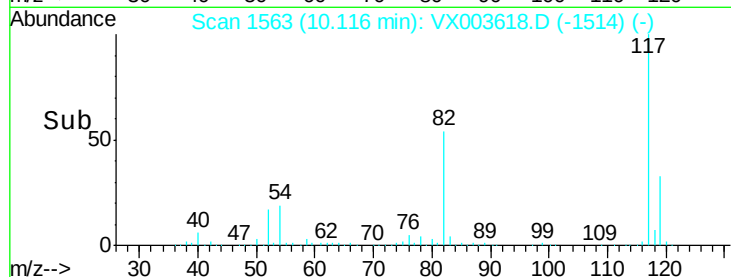
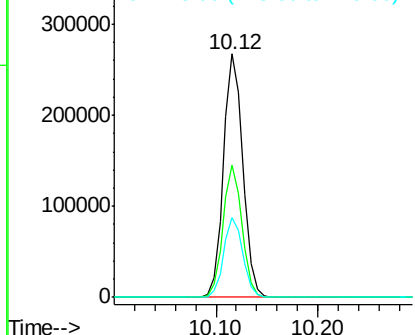
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003618.D
Acq: 23 Jul 2018 22:16

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL02

Tgt Ion:117 Resp: 353484
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.9 25.8 38.6

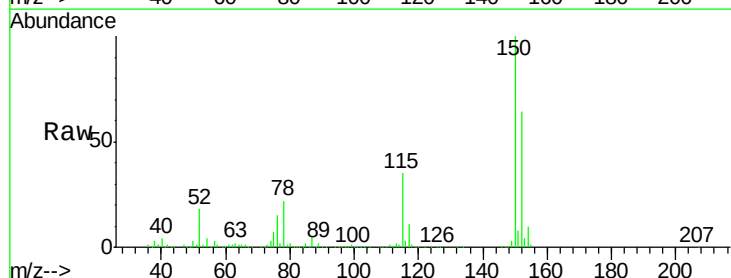


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

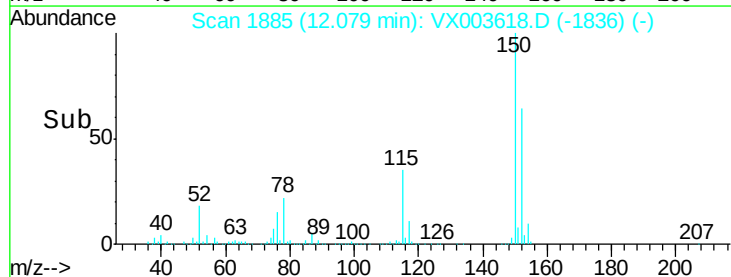
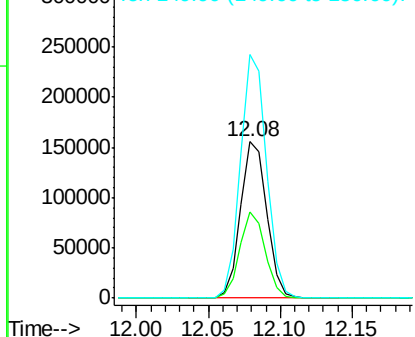


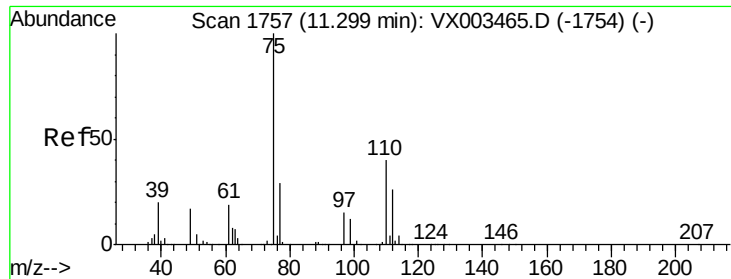
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003618.D
Acq: 23 Jul 2018 22:16

Tgt Ion:152 Resp: 196382
Ion Ratio Lower Upper
152 100
115 54.0 40.1 120.2
150 155.5 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

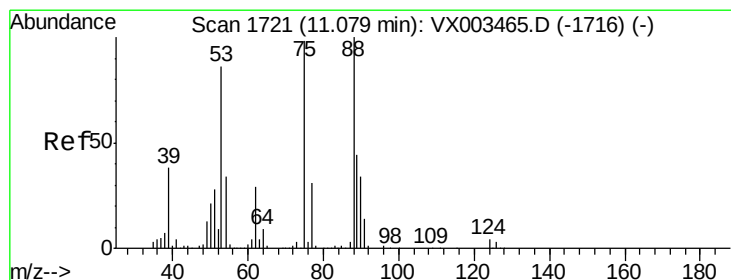
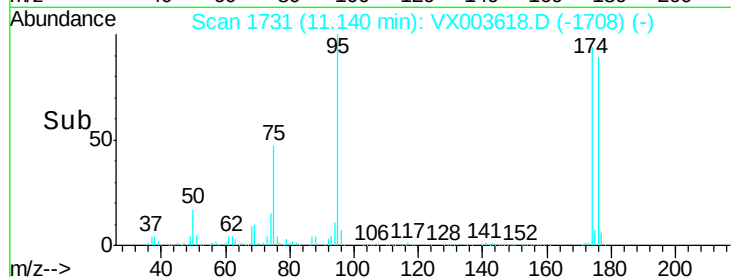
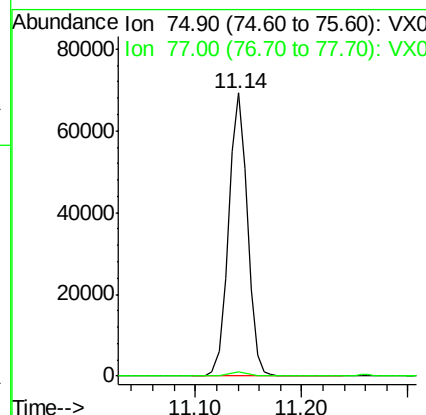
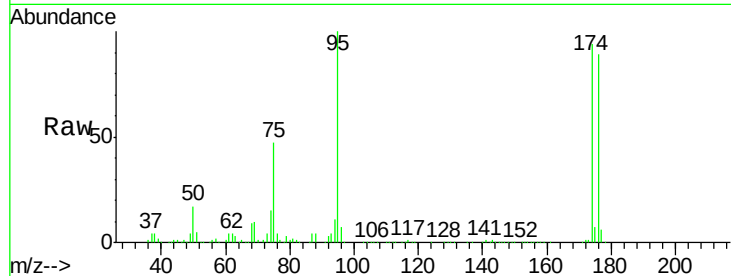




#76
 1,2,3-Trichloropropane
 Concen: 24.408 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003618.D
 Acq: 23 Jul 2018 22:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBL02

Tgt Ion: 75 Resp: 86110
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.407 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003618.D
 Acq: 23 Jul 2018 22:16

Tgt Ion: 75 Resp: 86110
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

