

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003600.D
 Acq On : 23 Jul 2018 13:23
 Operator : JC/SP
 Sample : J4048-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2018.07.17

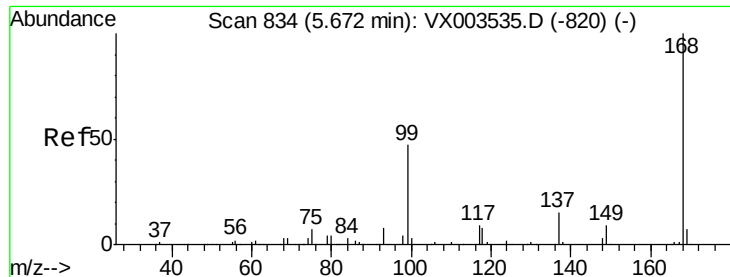
Quant Time: Jul 24 01:41:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196735	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	161513	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
35) Dibromofluoromethane	5.51	113	144751	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	8.72	98	541123	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	182115	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	132	Below Cal	#	60
3) Chloromethane	1.32	50	570	Below Cal		95
5) Bromomethane	1.65	94	1488	Below Cal		93
10) Methyl Iodide	2.53	142	1064	0.316	ug/l #	96
11) Tert butyl alcohol	3.06	59	228	0.385	ug/l	96
16) Acetone	2.45	43	5035	4.450	ug/l #	76
20) Methylene Chloride	2.86	84	1899	Below Cal	#	85
25) 2-Butanone	4.71	43	454	0.239	ug/l #	52
29) Tetrahydrofuran	5.16	42	708	0.565	ug/l #	73
31) Cyclohexane	5.67	56	4277	0.948	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16078	3.929	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22130	5.514	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	83653	23.669	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	83653	66.408	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003600.D

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MSVOA_X

ClientSampleId :

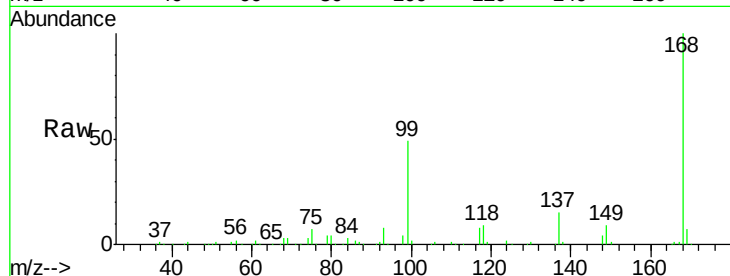
TB-2018.07.17

Tgt Ion:168 Resp: 253072

Ion Ratio Lower Upper

168 100

99 49.4 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

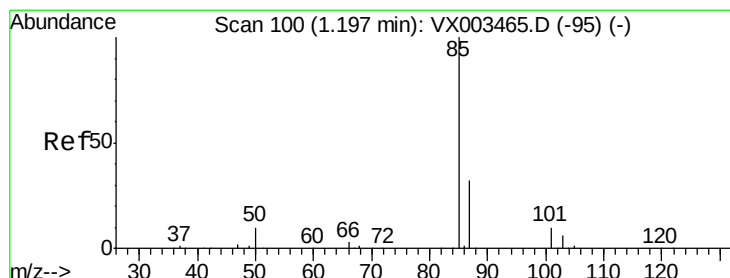
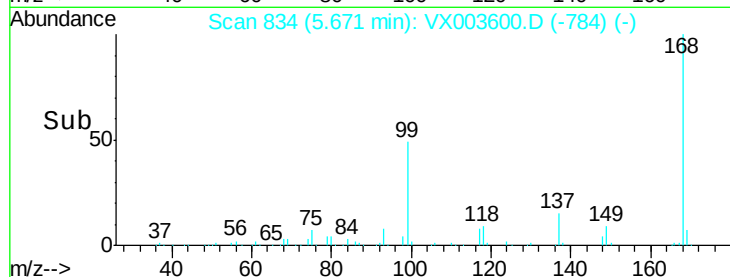
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003600.D

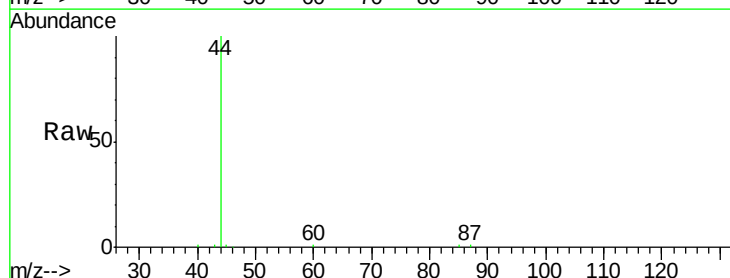
Acq: 23 Jul 2018 13:23

Tgt Ion: 85 Resp: 132

Ion Ratio Lower Upper

85 100

87 53.9 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

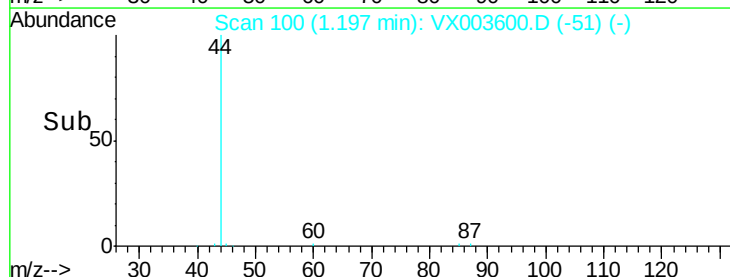
150

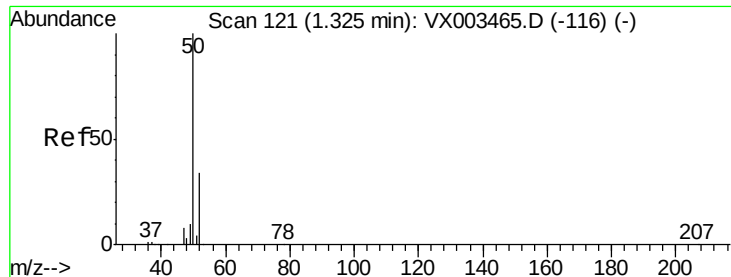
100

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: VX003600.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

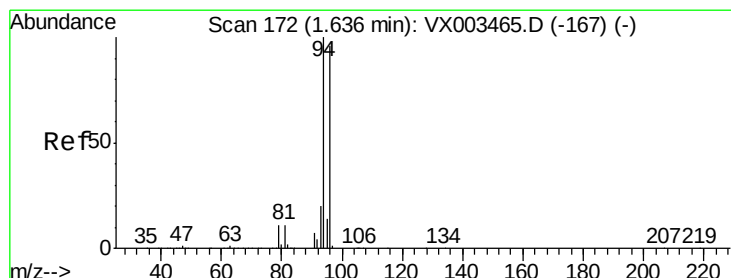
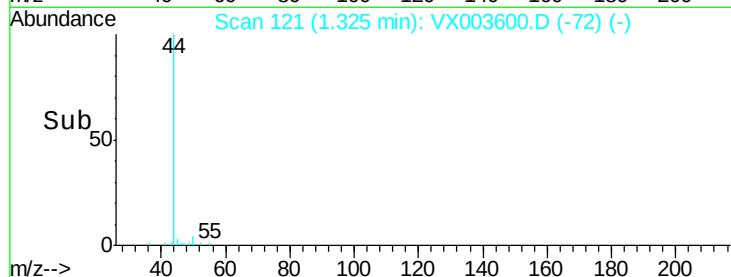
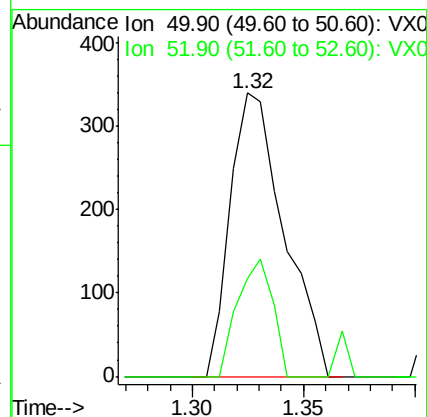
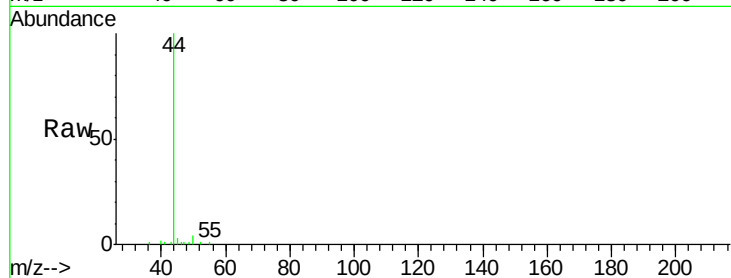
TB-2018.07.17

Tgt Ion: 50 Resp: 570

Ion Ratio Lower Upper

50 100

52 34.7 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003600.D

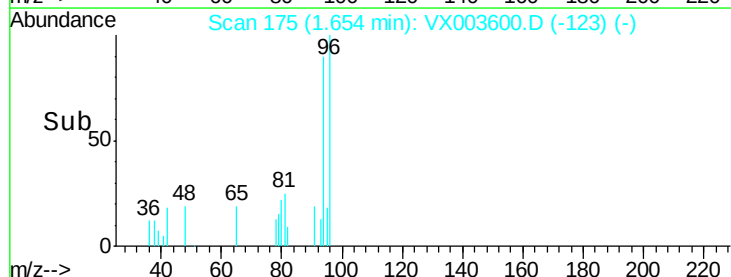
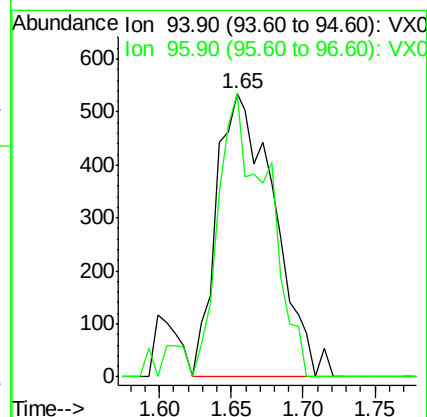
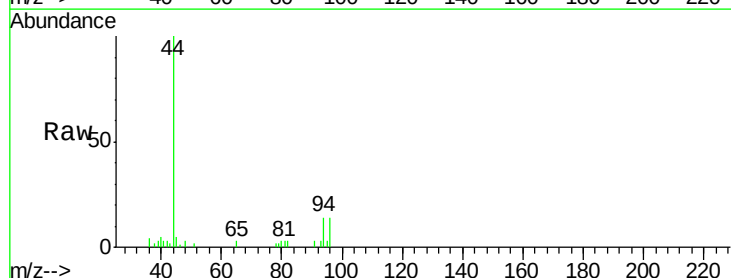
Acq: 23 Jul 2018 13:23

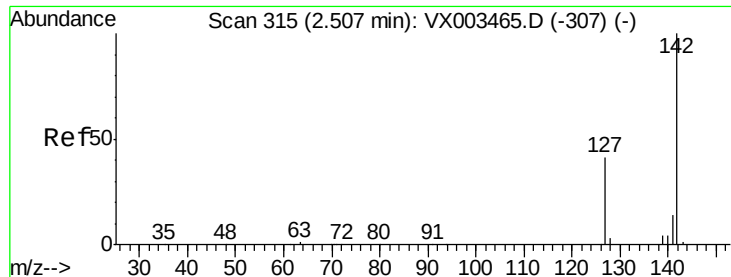
Tgt Ion: 94 Resp: 1488

Ion Ratio Lower Upper

94 100

96 100.0 74.9 112.3

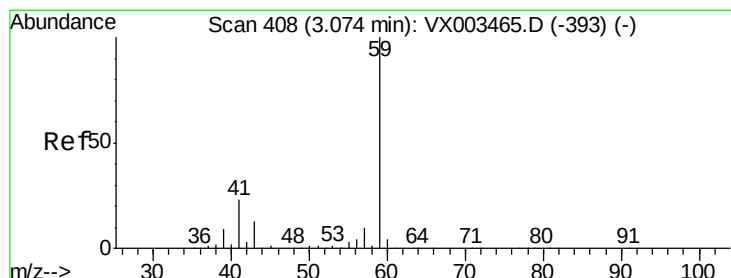
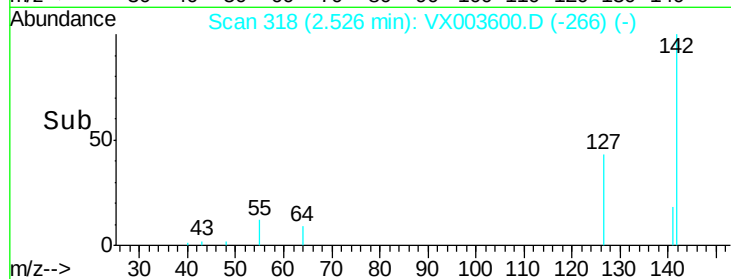
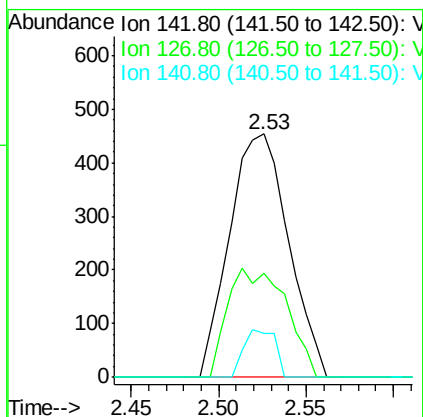
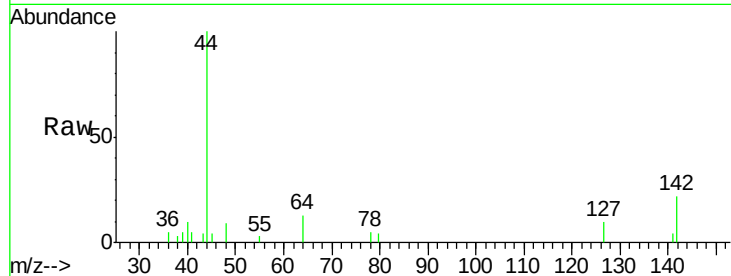




#10
Methyl Iodide
Concen: 0.316 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003600.D
Acq: 23 Jul 2018 13:23

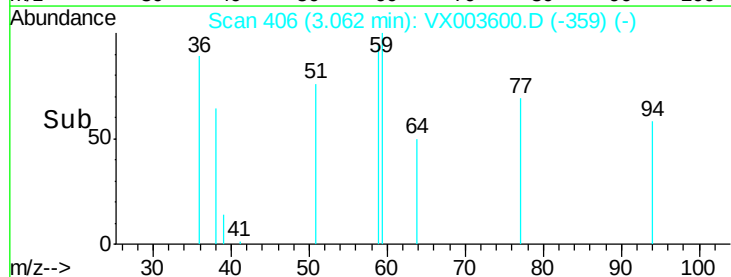
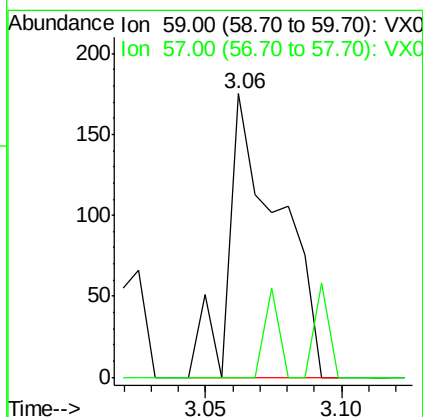
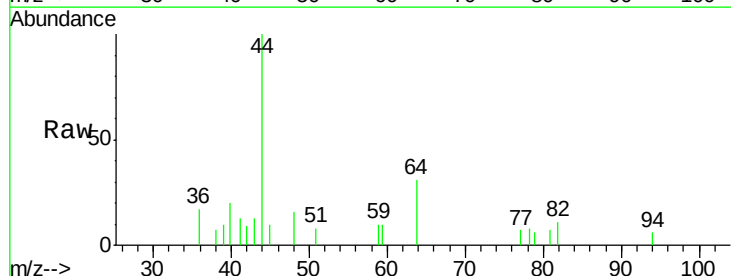
Instrument :
MSVOA_X
ClientSampleId :
TB-2018.07.17

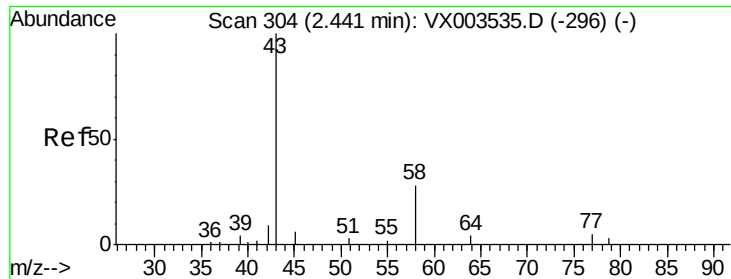
Tgt Ion: 142 Resp: 1064
Ion Ratio Lower Upper
142 100
127 44.2 36.6 55.0
141 10.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.385 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX003600.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 8.8 8.2 12.2





#16

Acetone

Concen: 4.450 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003600.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_X

ClientSampled :

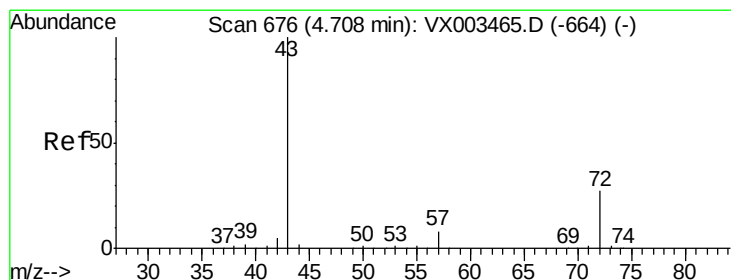
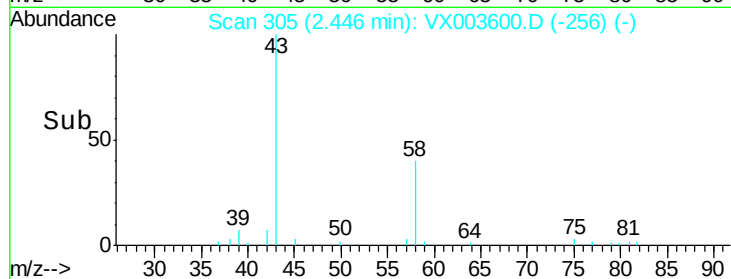
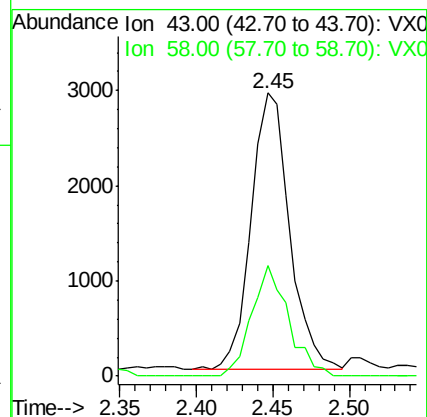
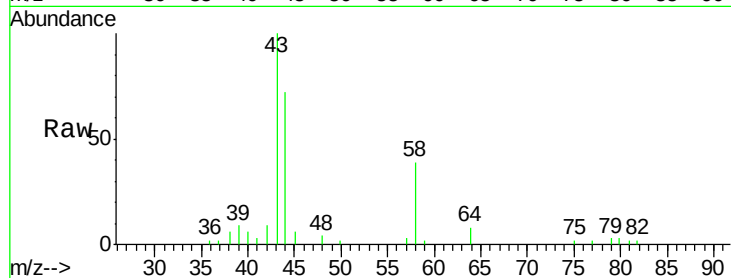
TB-2018.07.17

Tgt Ion: 43 Resp: 5035

Ion Ratio Lower Upper

43 100

58 40.0 22.1 33.1#



#25

2-Butanone

Concen: 0.239 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003600.D

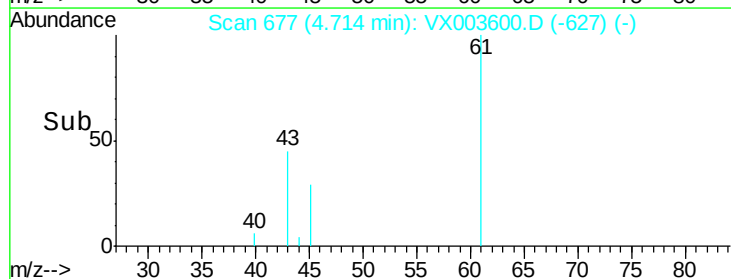
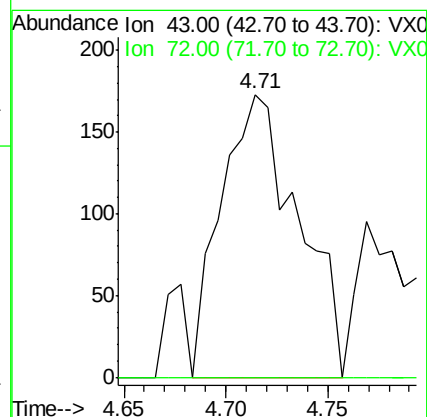
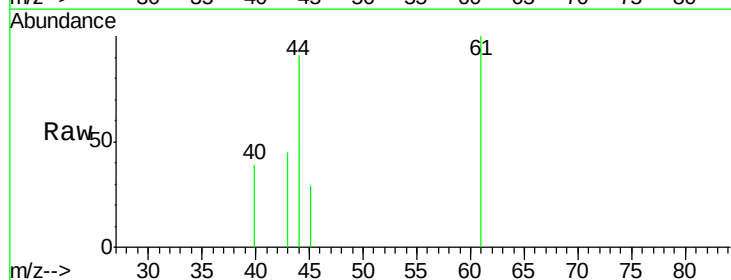
Acq: 23 Jul 2018 13:23

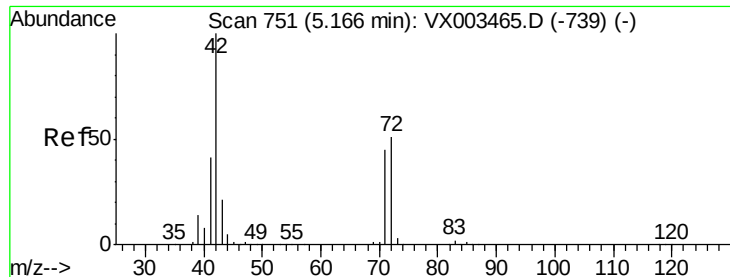
Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#





#29

Tetrahydrofuran

Concen: 0.565 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003600.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.07.17

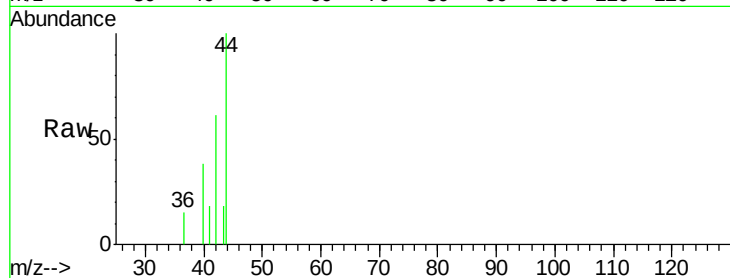
Tgt Ion: 42 Resp: 708

Ion Ratio Lower Upper

42 100

72 13.8 32.0 48.0#

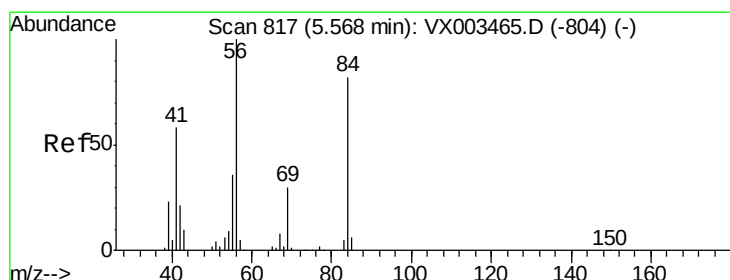
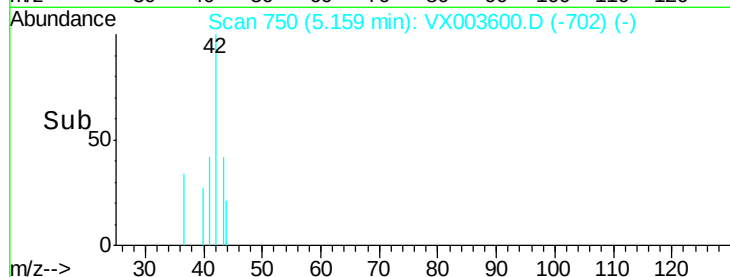
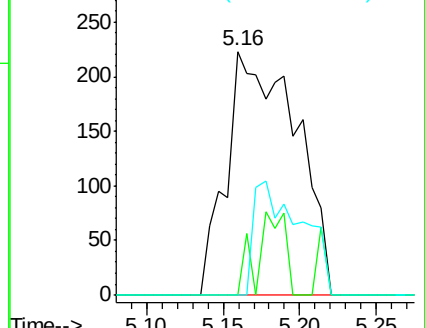
71 31.8 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.948 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003600.D

Acq: 23 Jul 2018 13:23

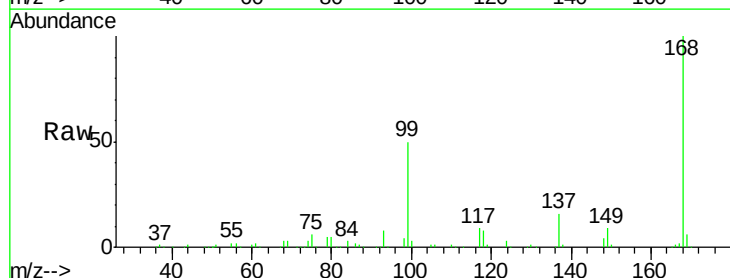
Tgt Ion: 56 Resp: 4277

Ion Ratio Lower Upper

56 100

69 177.1 23.7 35.5#

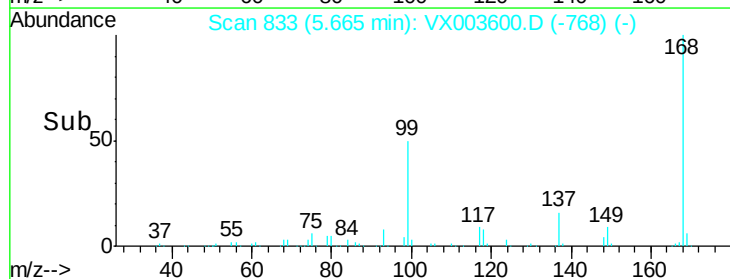
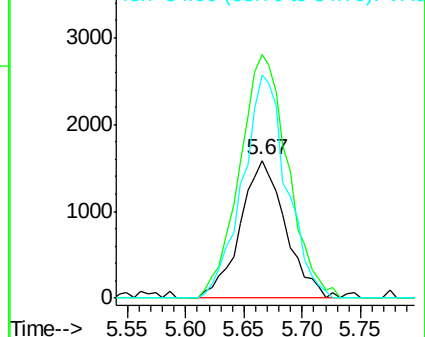
84 162.1 64.1 96.1#

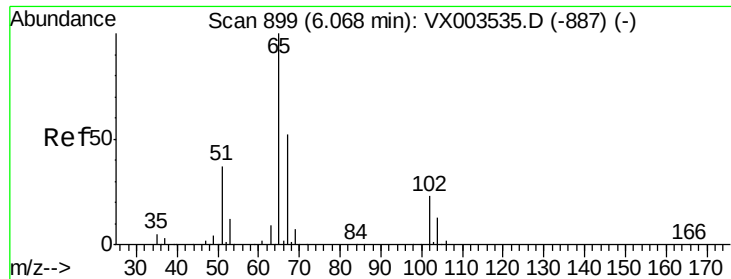


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

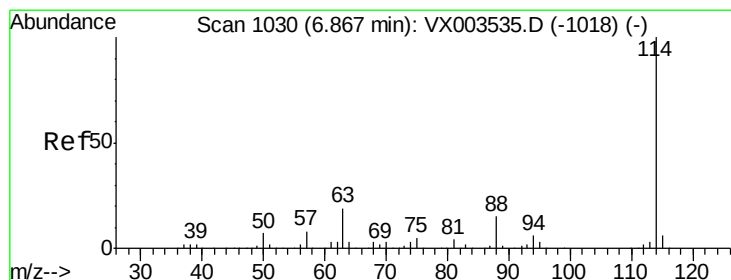
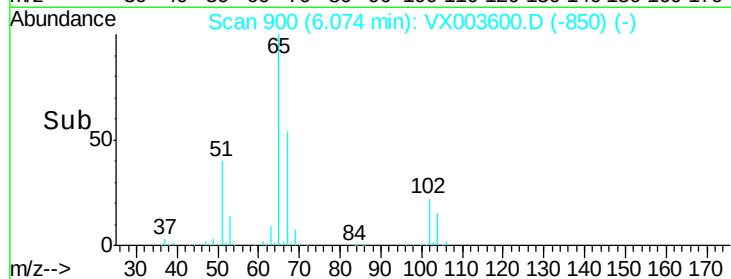
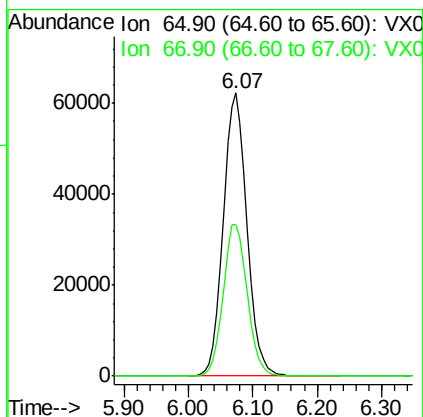
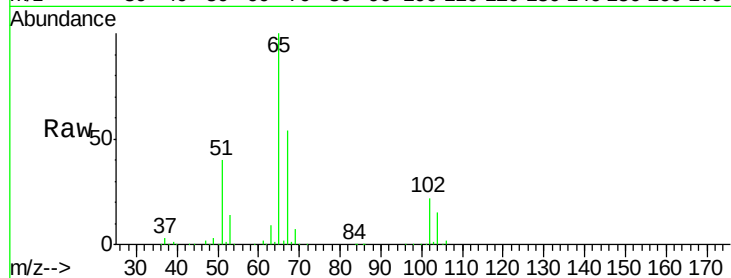




#33
 1,2-Dichloroethane-d4
 Concen: 53.915 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003600.D
 Acq: 23 Jul 2018 13:23

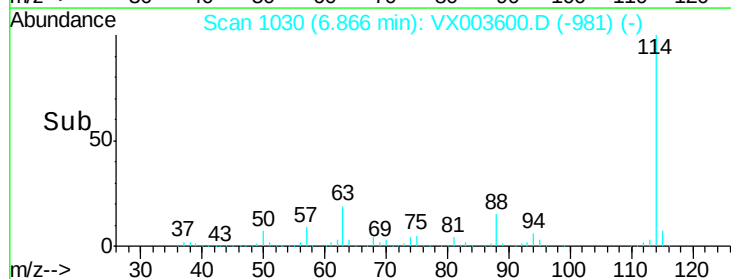
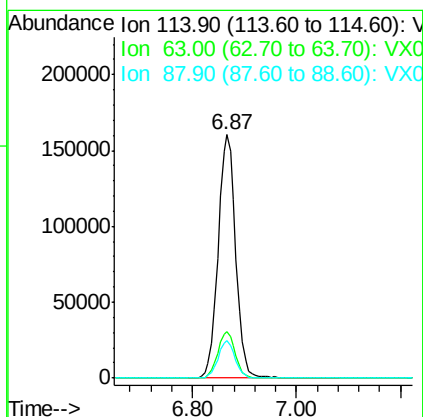
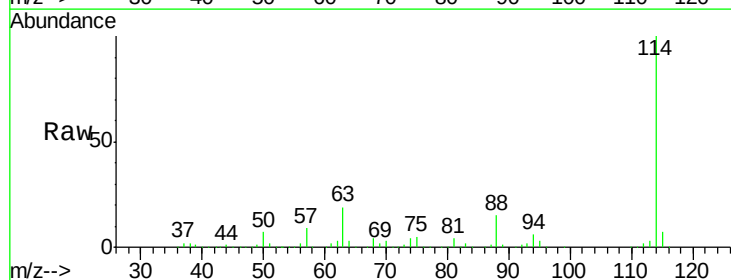
Instrument :
 MSVOA_X
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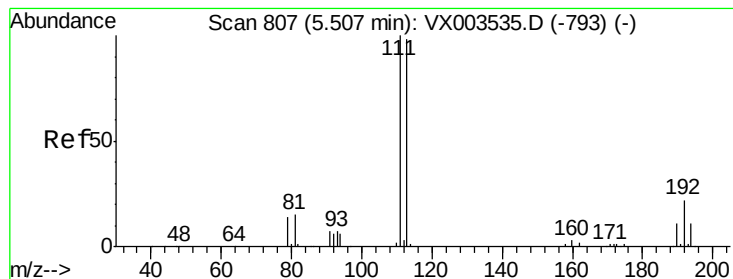
Tgt Ion: 65 Resp: 161513
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003600.D
 Acq: 23 Jul 2018 13:23

Tgt Ion: 114 Resp: 378997
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.144 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003600.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.07.17

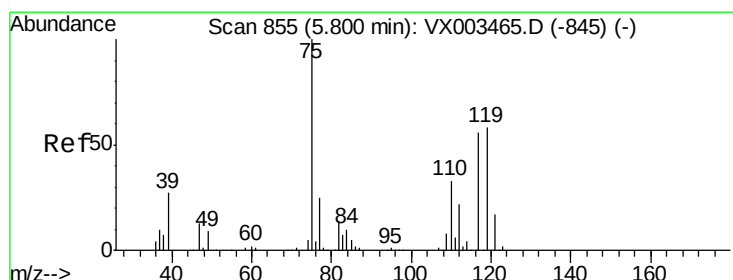
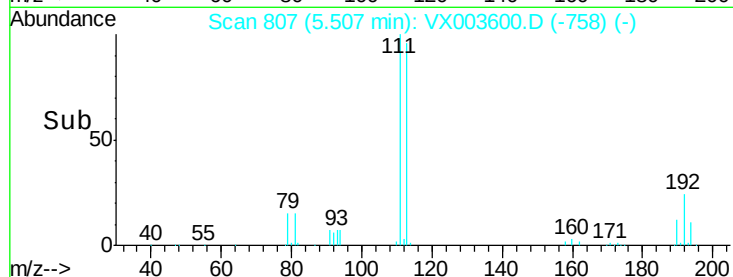
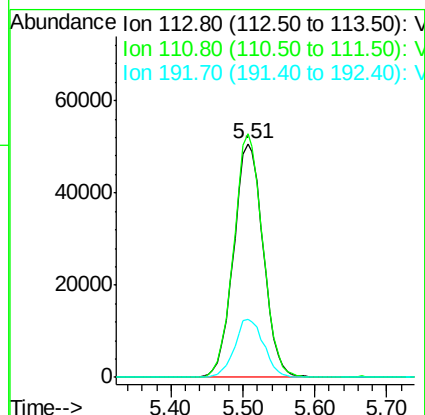
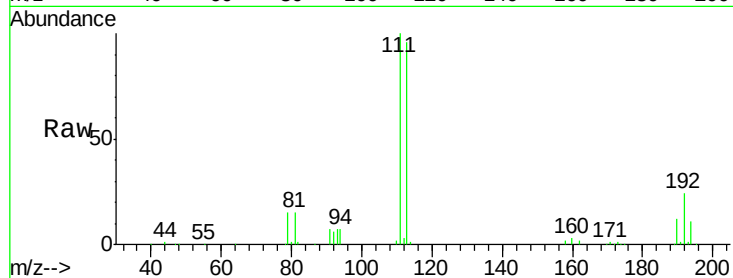
Tgt Ion:113 Resp: 144751

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 24.5 19.1 28.7



#36

1,1-Dichloropropene

Concen: 3.929 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003600.D

Acq: 23 Jul 2018 13:23

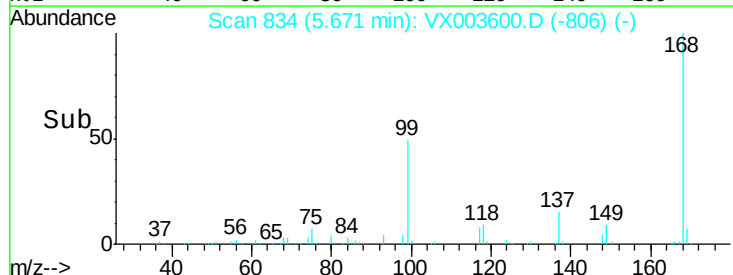
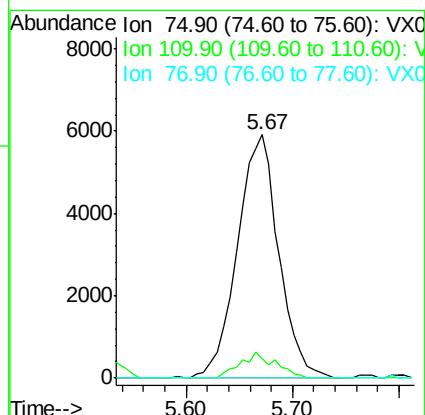
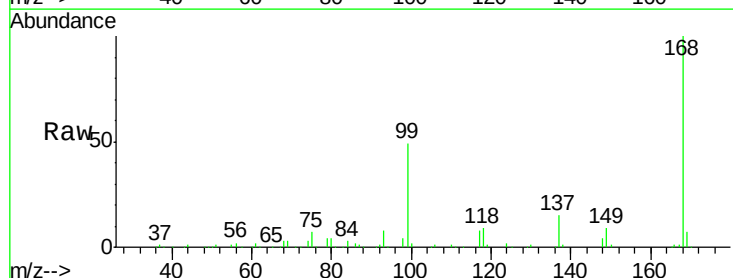
Tgt Ion: 75 Resp: 16078

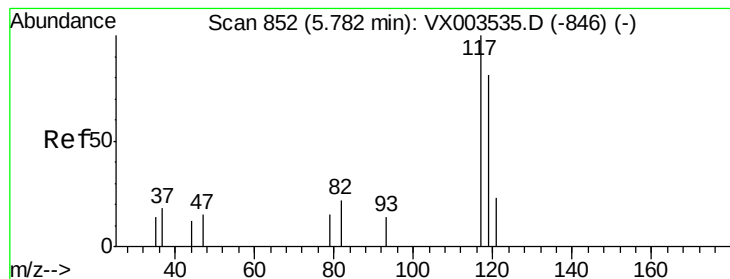
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.514 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003600.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.07.17

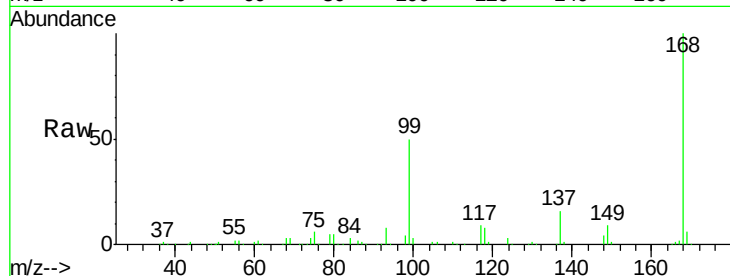
Tgt Ion:117 Resp: 22130

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

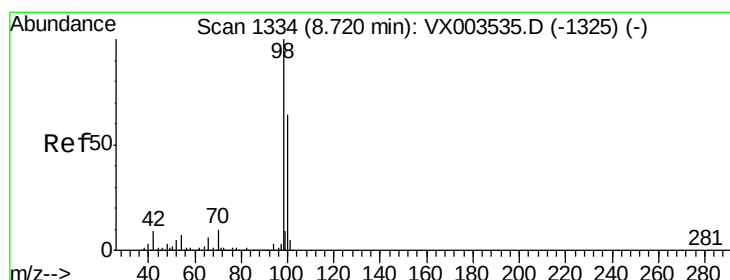
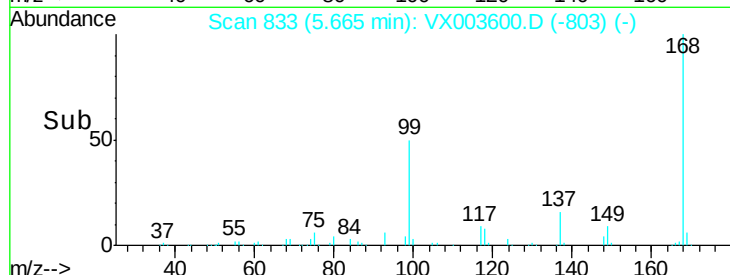
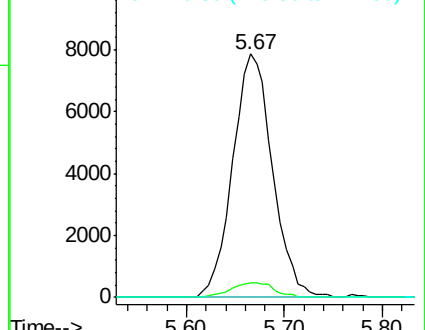
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 49.873 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003600.D

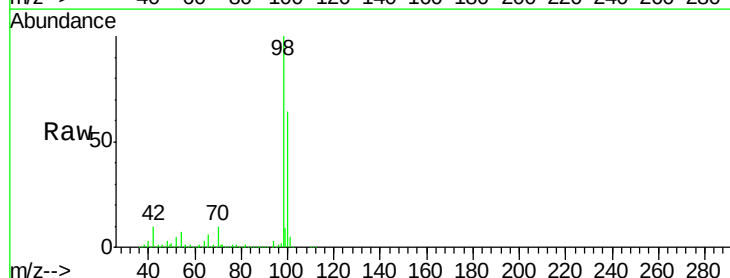
Acq: 23 Jul 2018 13:23

Tgt Ion: 98 Resp: 541123

Ion Ratio Lower Upper

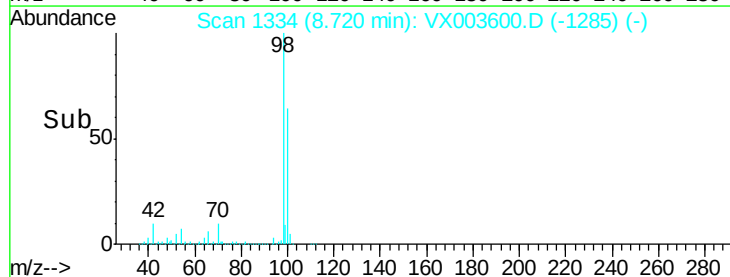
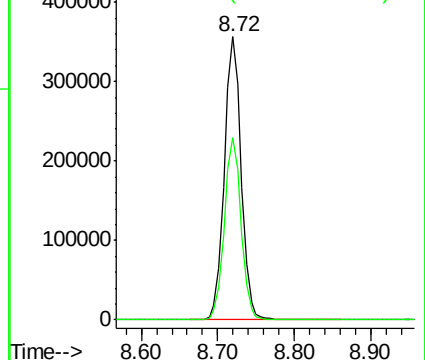
98 100

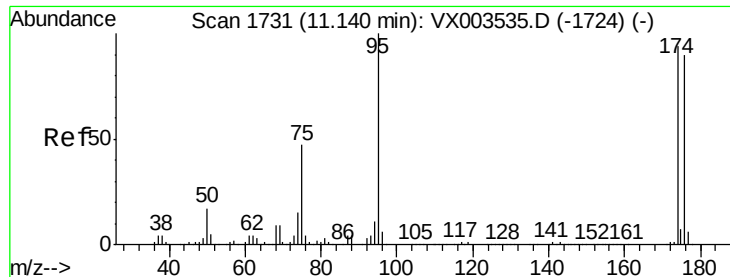
100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

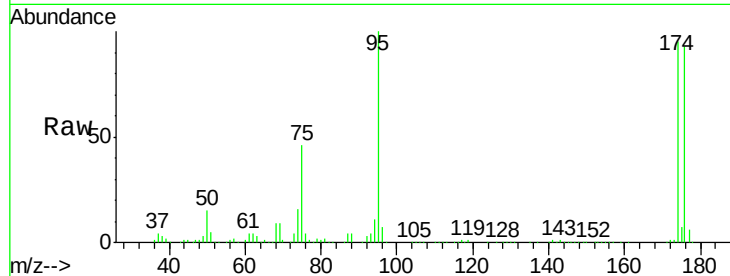




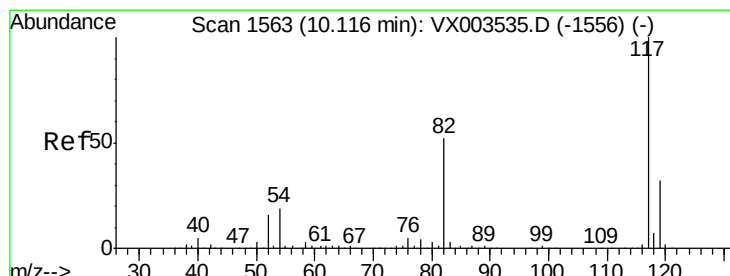
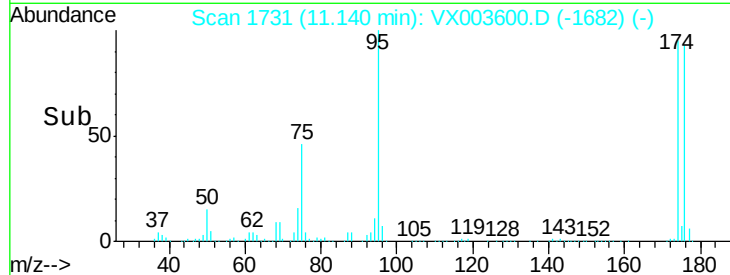
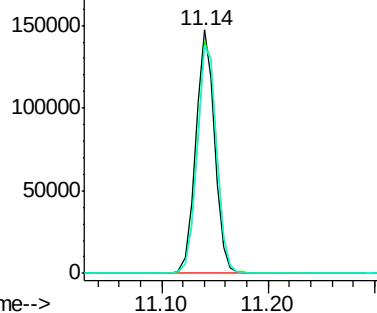
#62
4-Bromofluorobenzene
Concen: 45.993 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003600.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
TB-2018.07.17

Tgt Ion: 95 Resp: 182115
Ion Ratio Lower Upper
95 100
174 99.3 0.0 187.4
176 96.5 0.0 181.0

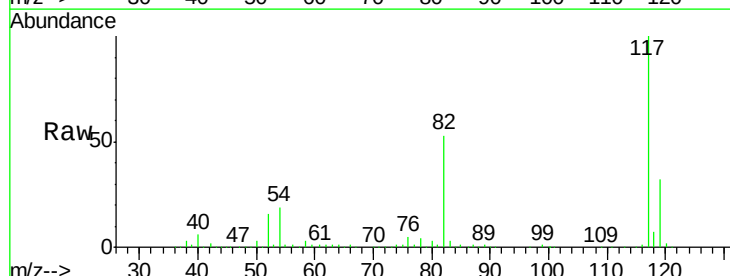


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

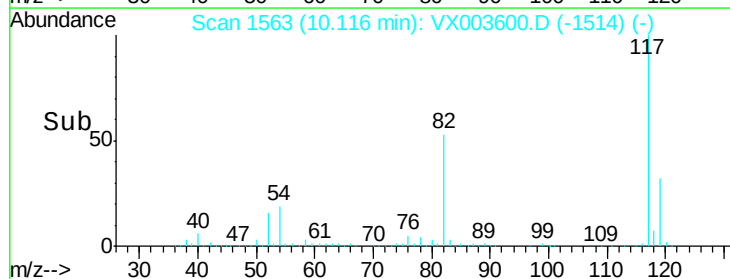
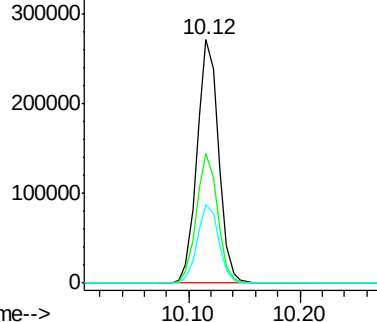


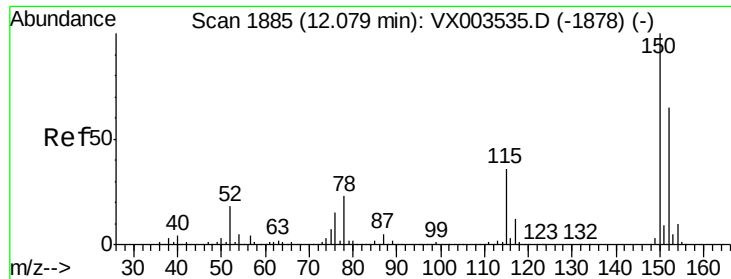
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003600.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 117 Resp: 360999
Ion Ratio Lower Upper
117 100
82 53.4 45.0 67.4
119 32.1 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: VX003600.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.07.17

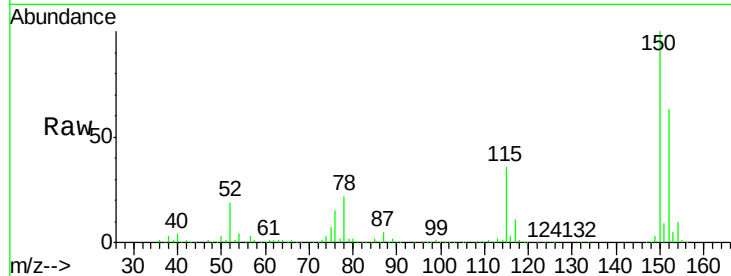
Tgt Ion:152 Resp: 196735

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

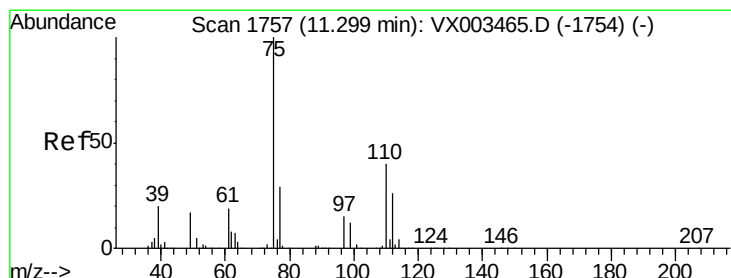
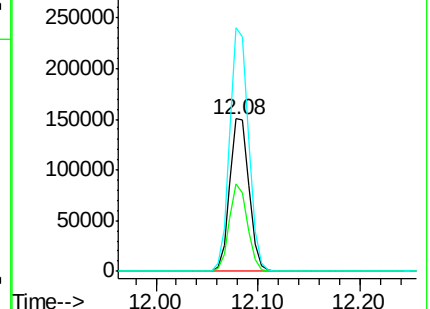
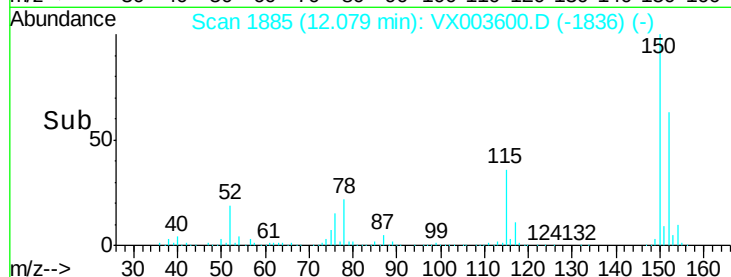
150 155.7 0.0 347.2



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: 23.669 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003600.D

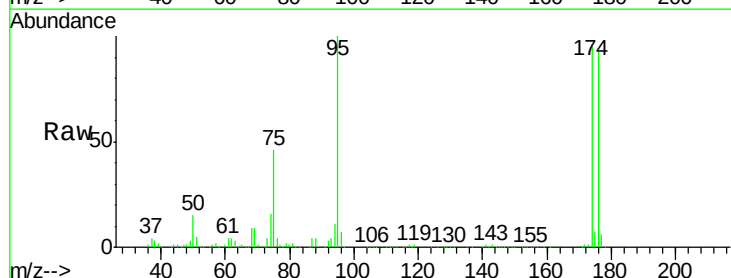
Acq: 23 Jul 2018 13:23

Tgt Ion: 75 Resp: 83653

Ion Ratio Lower Upper

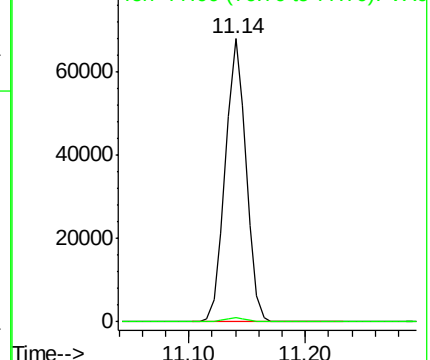
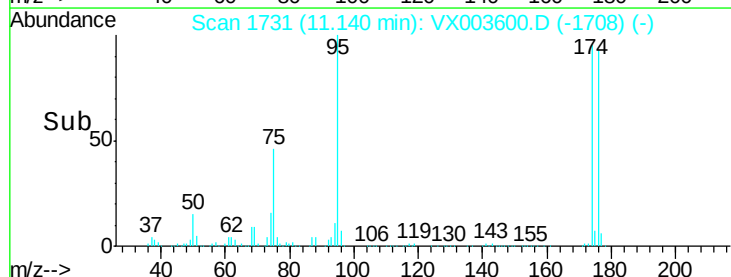
75 100

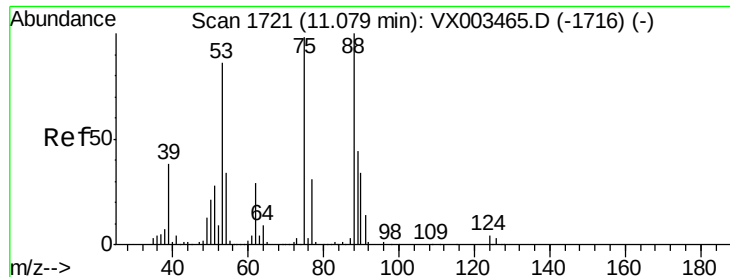
77 1.5 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.408 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003600.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.07.17

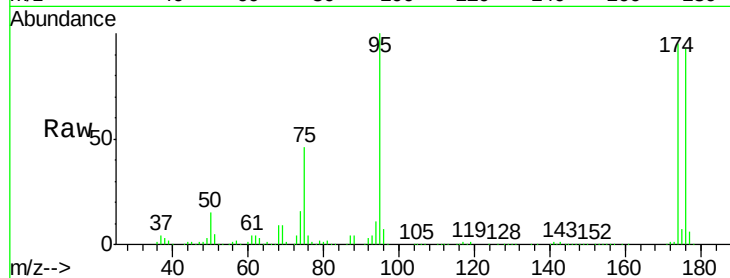
Tgt Ion: 75 Resp: 83653

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

