

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003570.D
 Acq On : 21 Jul 2018 22:51
 Operator : JC/SP
 Sample : VX0721WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBL02

Quant Time: Jul 23 03:47:15 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	5.66	168	276971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	409429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211306	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	175986	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
35) Dibromofluoromethane	5.51	113	166201	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
50) Toluene-d8	8.72	98	590755	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.14	95	200170	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

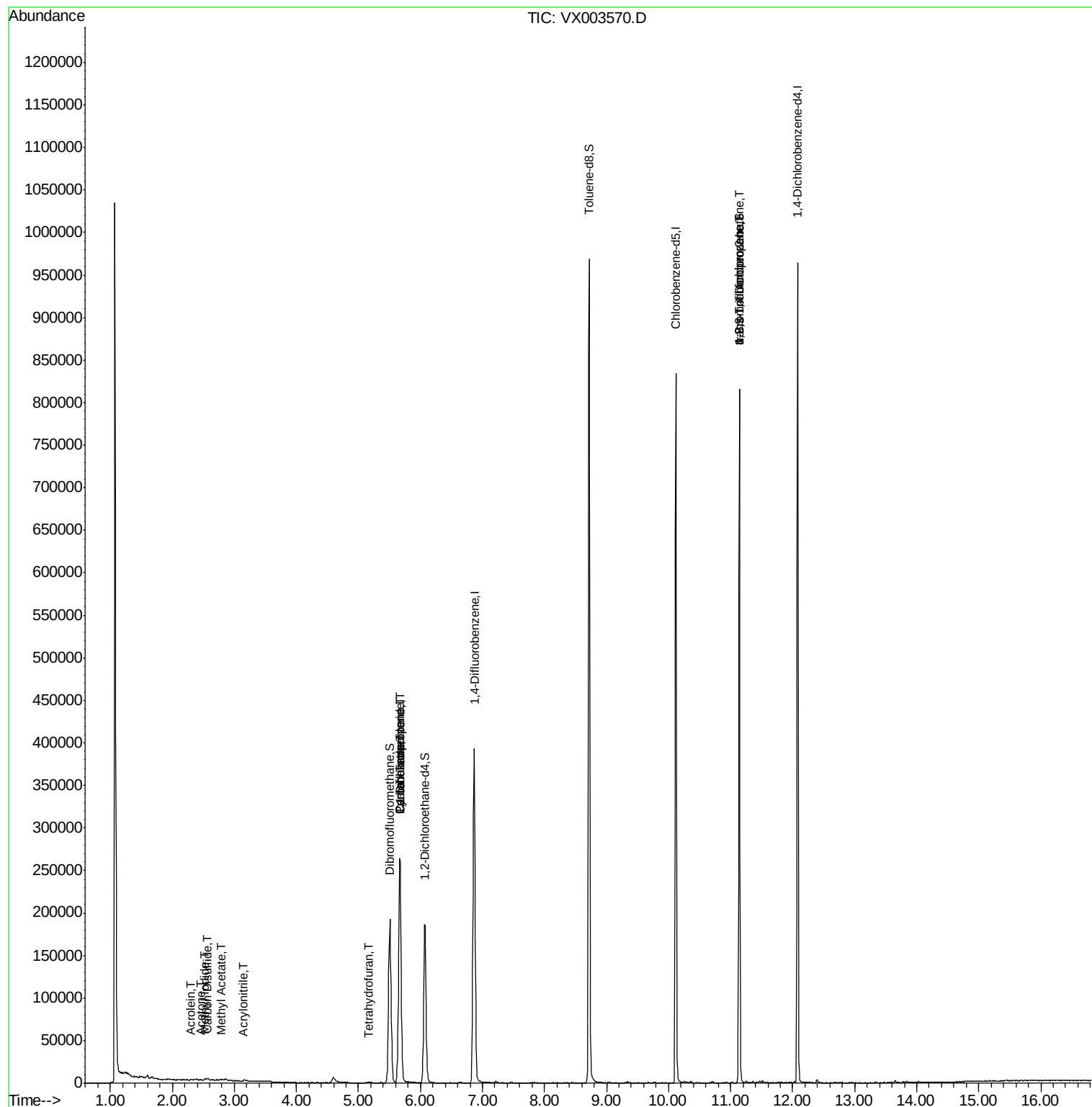
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	181	Below Cal		98
3) Chloromethane	1.32	50	539	Below Cal		93
5) Bromomethane	1.65	94	1652	Below Cal		100
10) Methyl Iodide	2.52	142	2023	0.55	ug/l	90
13) Acrolein	2.29	56	163	0.56	ug/l #	47
15) Acrylonitrile	3.14	53	405	0.25	ug/l #	80
16) Acetone	2.45	43	507	0.41	ug/l	98
17) Carbon Disulfide	2.57	76	2085	0.27	ug/l	97
18) Methyl Acetate	2.79	43	1010	0.26	ug/l #	83
20) Methylene Chloride	2.86	84	381	Below Cal	#	77
29) Tetrahydrofuran	5.16	42	405	0.30	ug/l #	63
31) Cyclohexane	5.67	56	5244	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18413	4.17	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24116	5.56	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	95122	25.06	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	95122	70.17	ug/l #	7

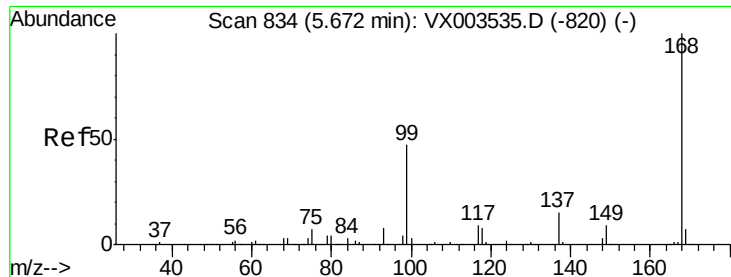
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampled :

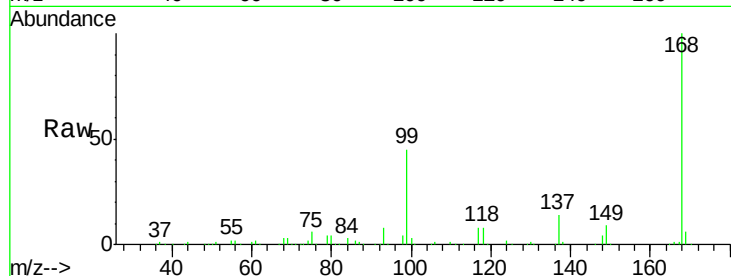
VX0721WBL02

Tot Ion:168 Resp: 276971

Ion Ratio Lower Upper

168 100

99 44.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

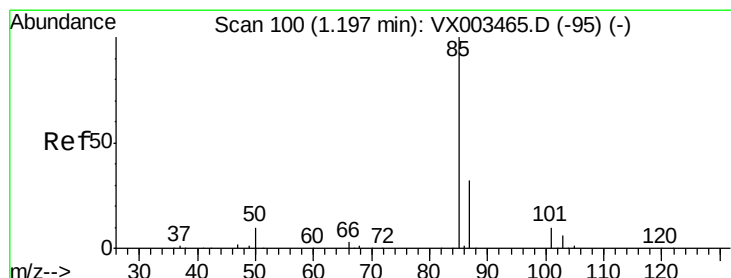
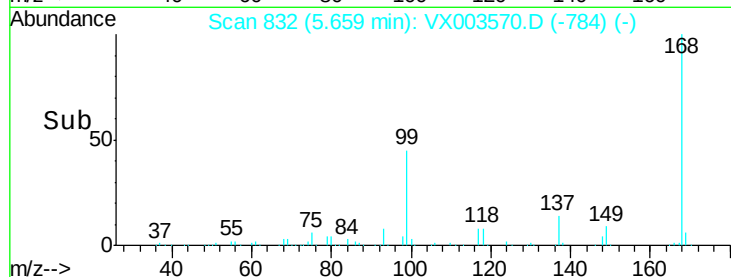
60000

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: VX003570.D

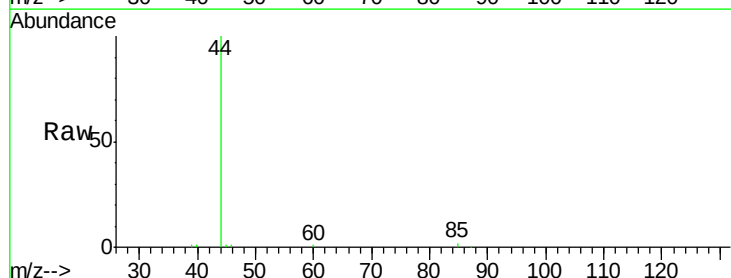
Acq: 21 Jul 2018 22:51

Tgt Ion: 85 Resp: 181

Ion Ratio Lower Upper

85 100

87 30.7 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

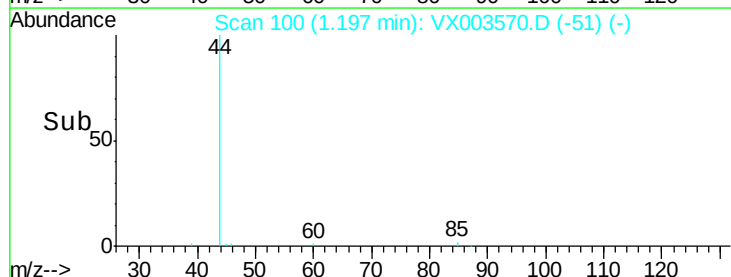
150

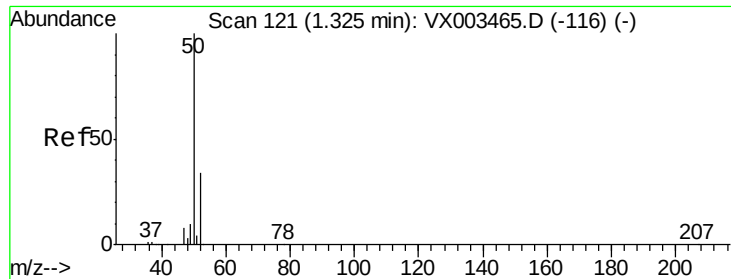
100

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: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampleId :

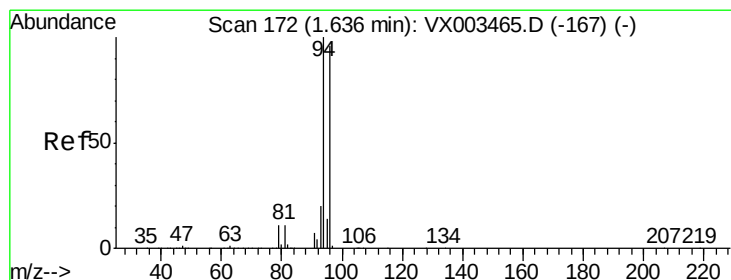
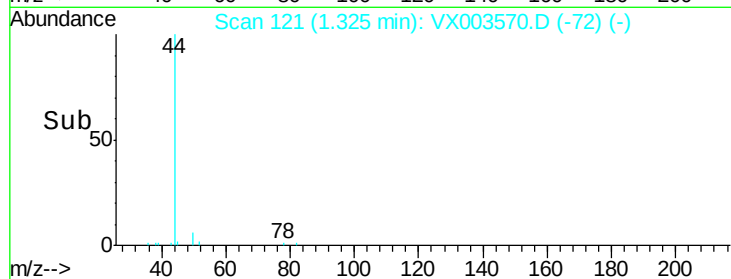
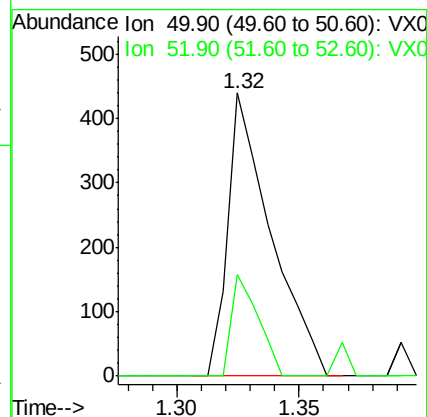
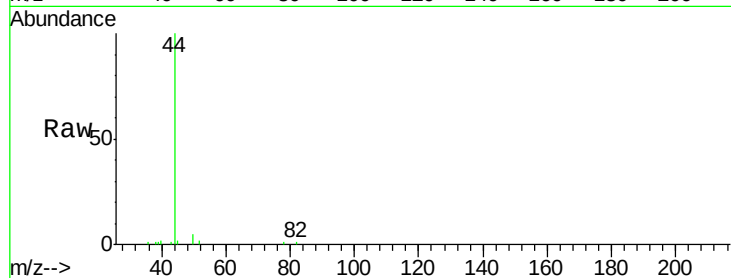
VX0721WBL02

Tot Ion: 50 Resp: 539

Ion Ratio Lower Upper

50 100

52 35.8 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003570.D

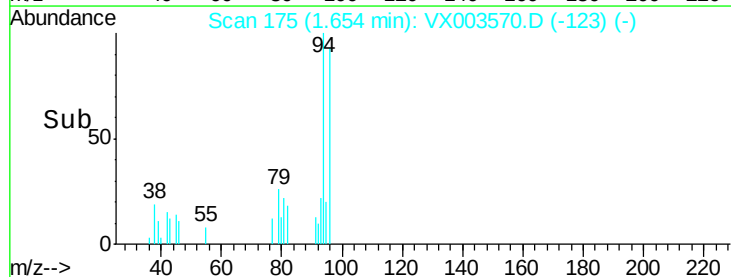
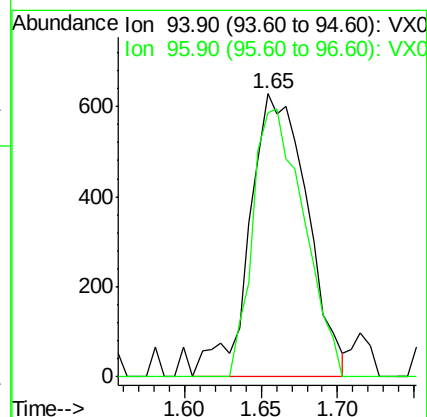
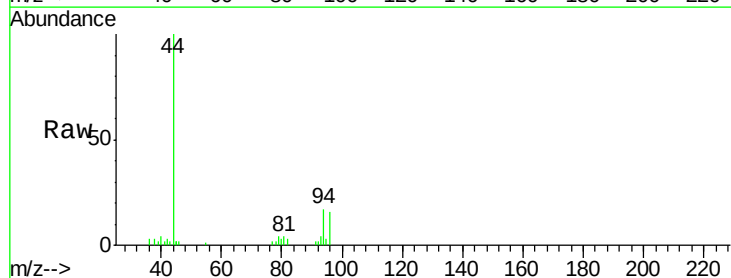
Acq: 21 Jul 2018 22:51

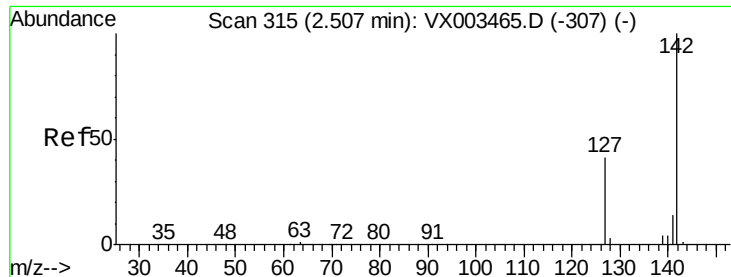
Tgt Ion: 94 Resp: 1652

Ion Ratio Lower Upper

94 100

96 93.2 74.9 112.3

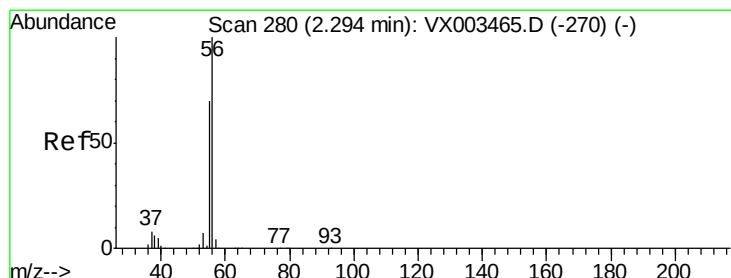
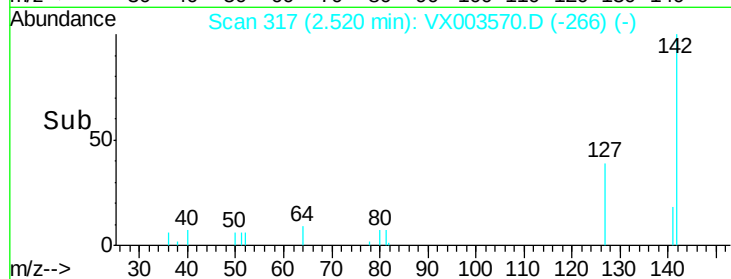
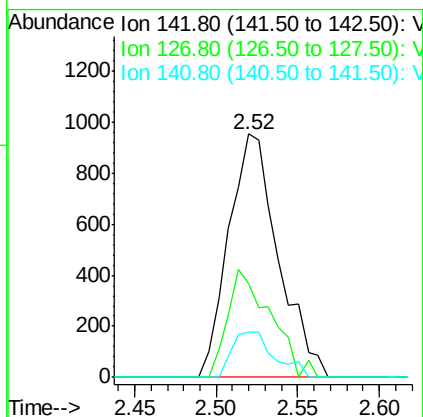
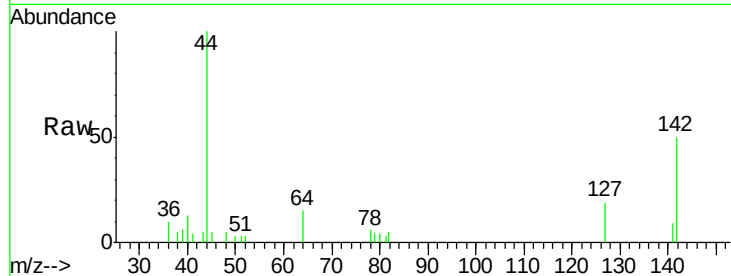




#10
Methvl Iodide
Concen: 0.55 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003570.D
Acq: 21 Jul 2018 22:51

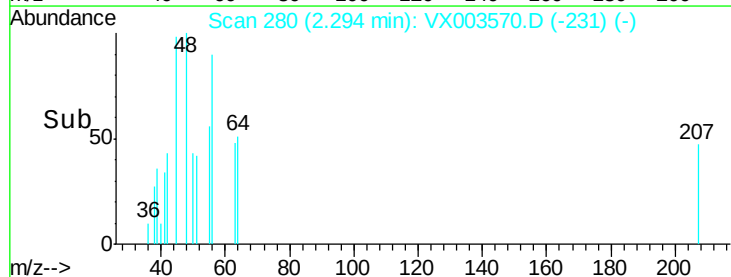
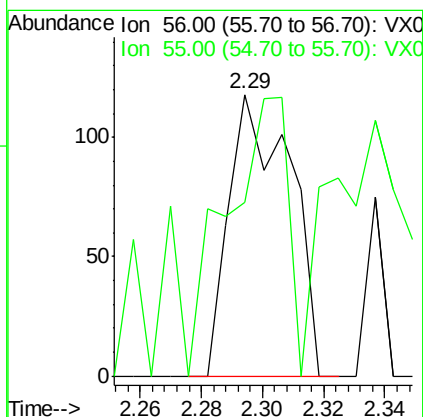
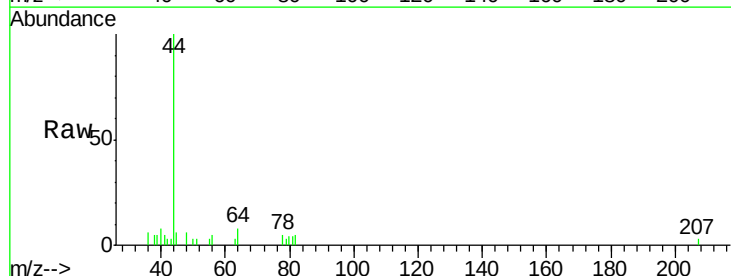
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBL02

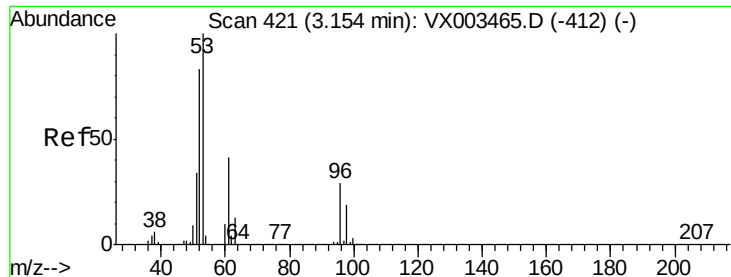
Tot Ion:142 Resp: 2023
Ion Ratio Lower Upper
142 100
127 38.2 36.6 55.0
141 15.8 11.3 16.9



#13
Acrolein
Concen: 0.56 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003570.D
Acq: 21 Jul 2018 22:51

Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 115.3 57.0 85.4#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBL02

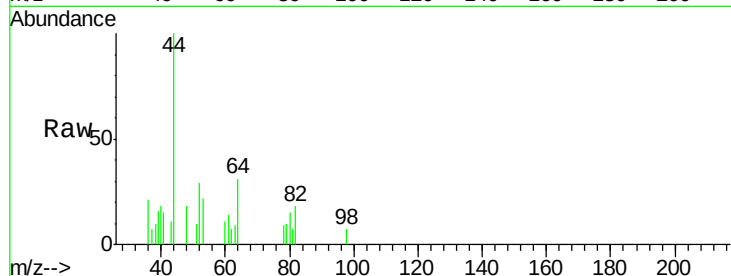
Tot Ion: 53 Resp: 405

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

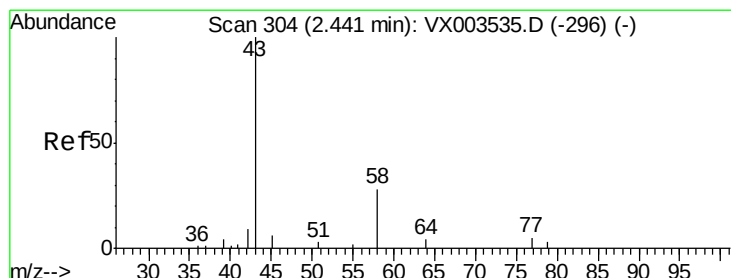
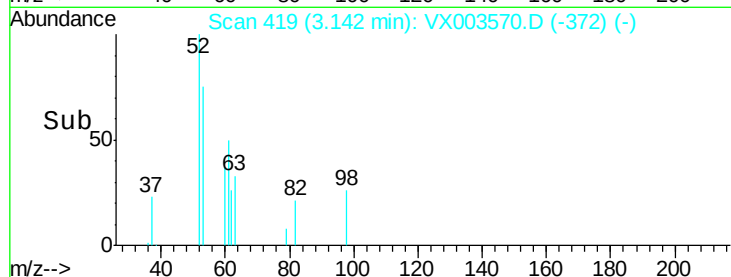
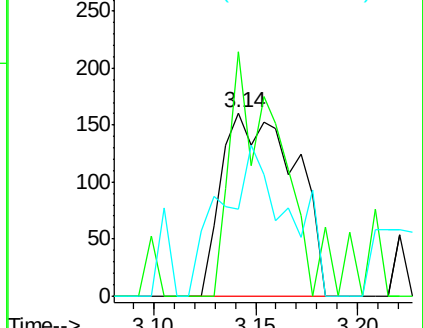
51 74.3 29.9 44.9#



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: 0.41 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003570.D

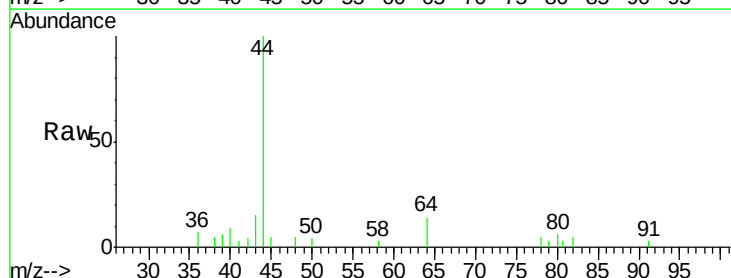
Acq: 21 Jul 2018 22:51

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

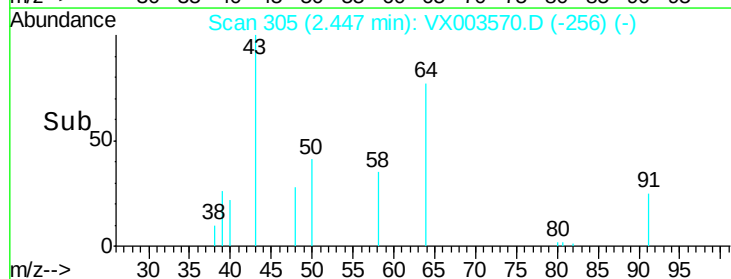
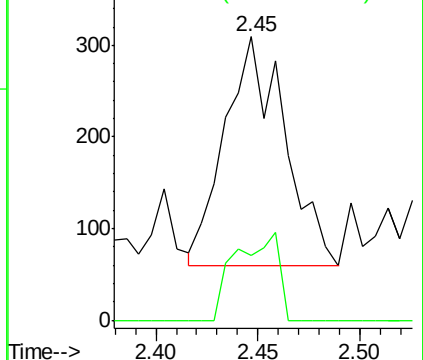
43 100

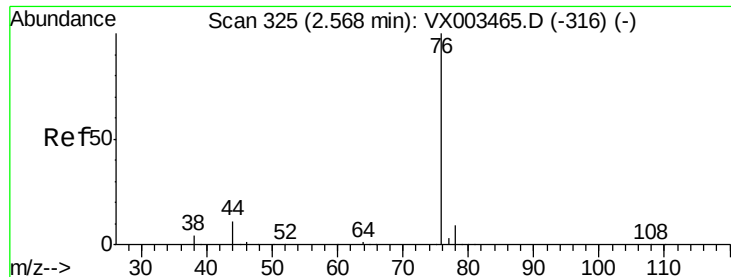
58 28.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampleId :

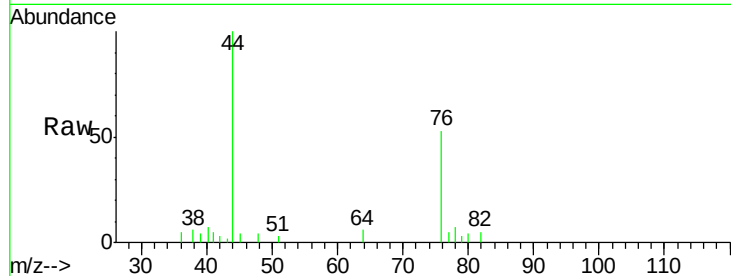
VX0721WBL02

Tot Ion: 76 Resp: 2085

Ion Ratio Lower Upper

76 100

78 7.6 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

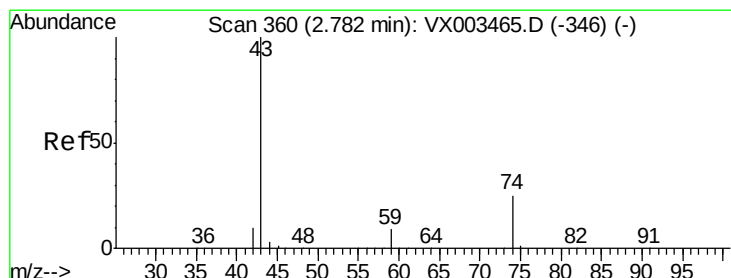
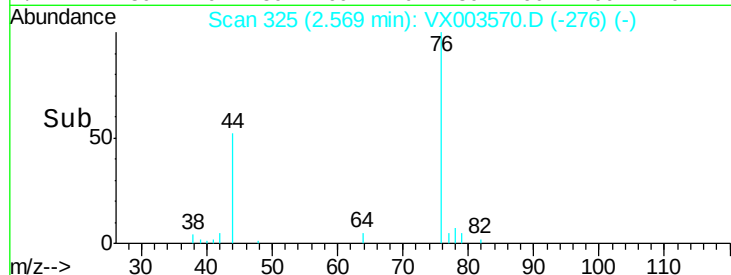
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.26 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX003570.D

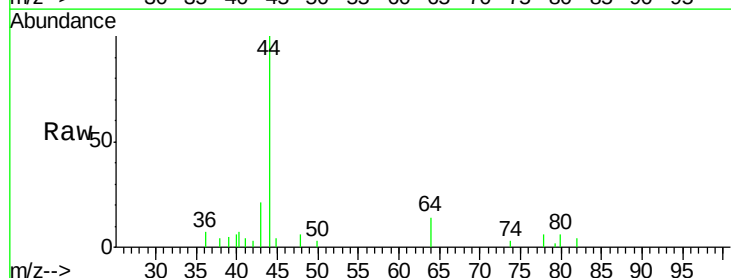
Acq: 21 Jul 2018 22:51

Tgt Ion: 43 Resp: 1010

Ion Ratio Lower Upper

43 100

74 13.0 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

500

400

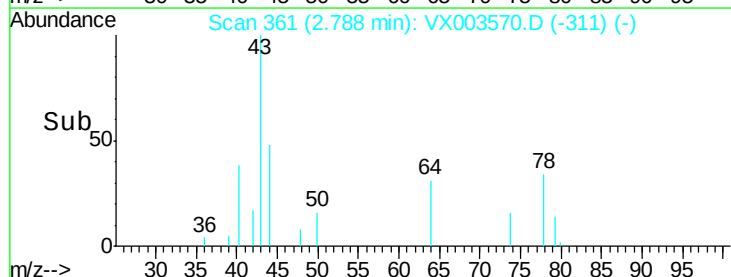
300

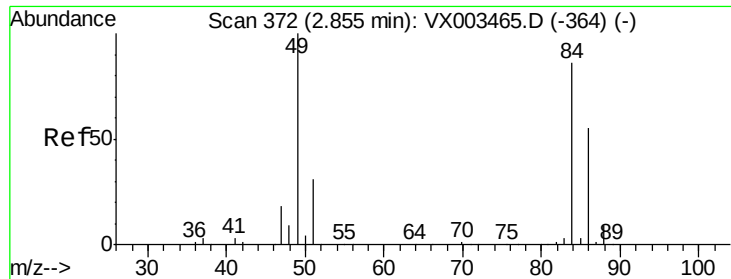
200

100

0

Time-->

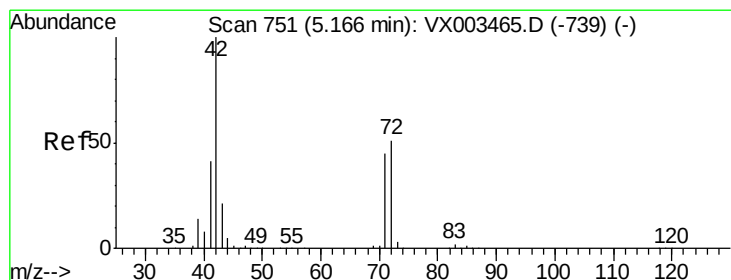
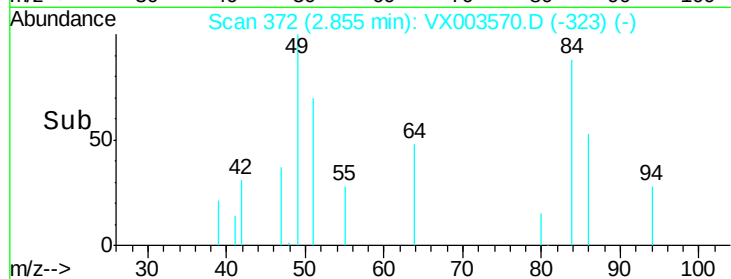
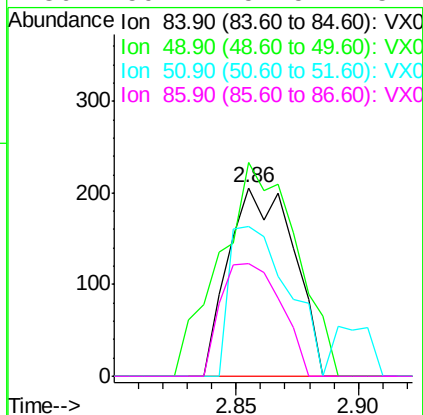
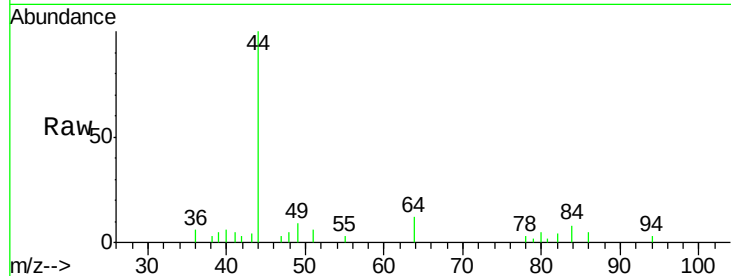




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003570.D
Acq: 21 Jul 2018 22:51

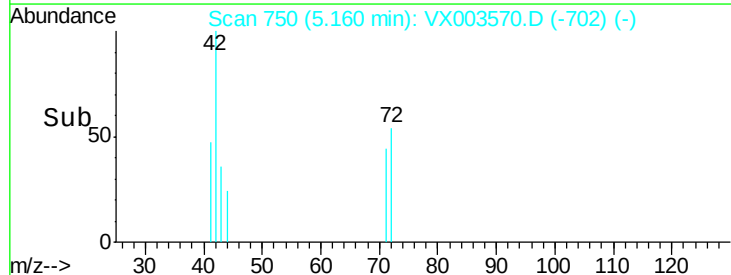
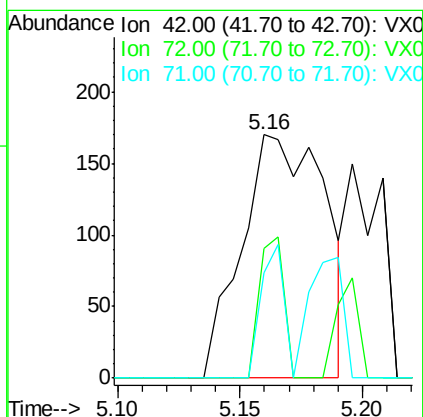
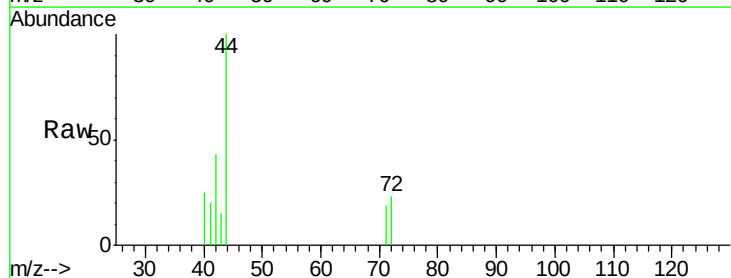
Instrument :
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ClientSampleId :
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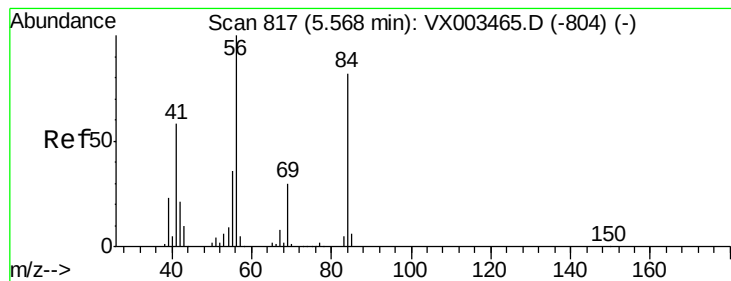
Tot Ion: 84 Resp: 381
Ion Ratio Lower Upper
84 100
49 113.1 107.8 161.6
51 79.6 32.8 49.2#
86 59.7 52.5 78.7



#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003570.D
Acq: 21 Jul 2018 22:51

Tgt Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 17.3 32.0 48.0#
71 15.1 30.1 45.1#





#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.10 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBL02

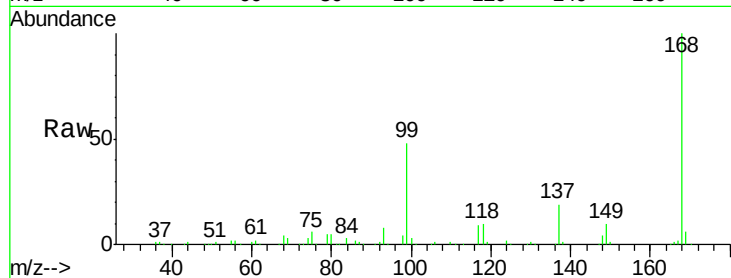
Tot Ion: 56 Resp: 5244

Ion Ratio Lower Upper

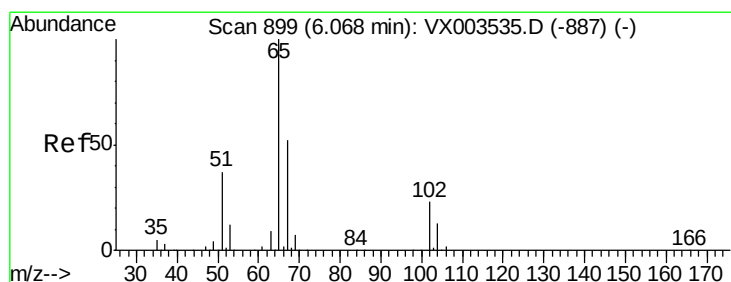
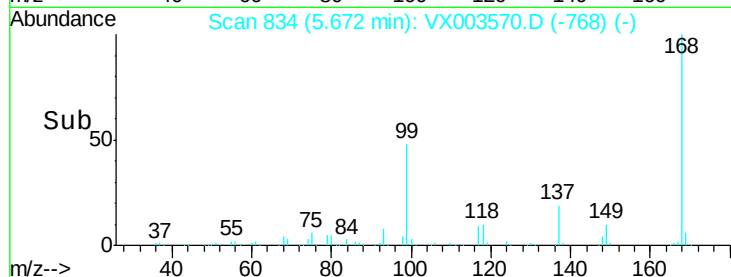
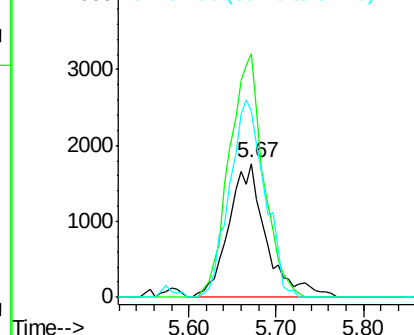
56 100

69 181.7 23.7 35.5#

84 138.6 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: 53.68 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003570.D

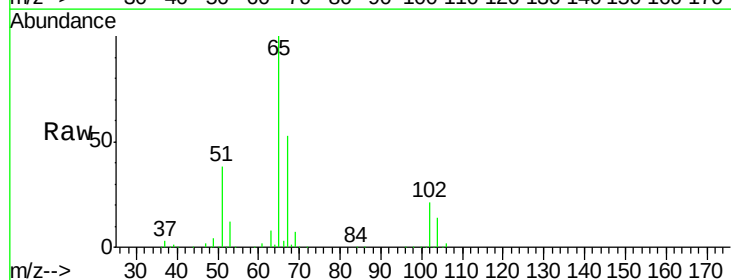
Acq: 21 Jul 2018 22:51

Tgt Ion: 65 Resp: 175986

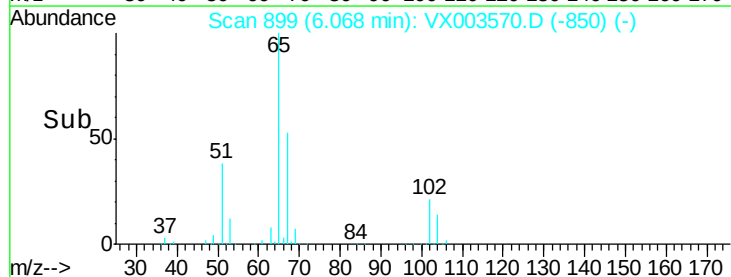
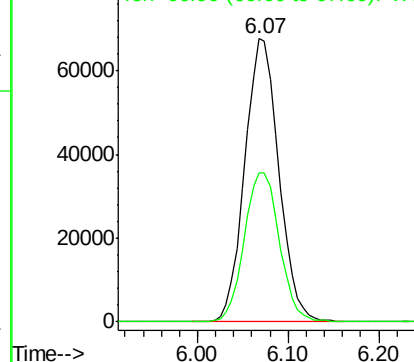
Ion Ratio Lower Upper

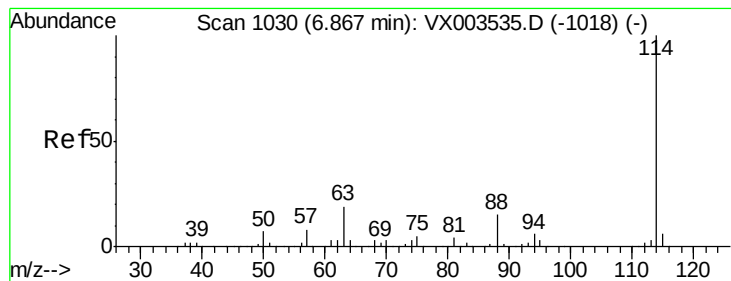
65 100

67 54.4 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: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBL02

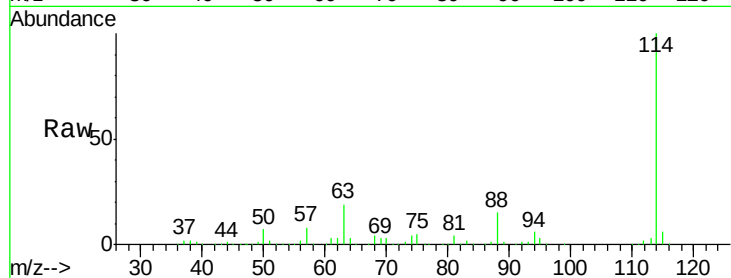
Tot Ion:114 Resp: 409429

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

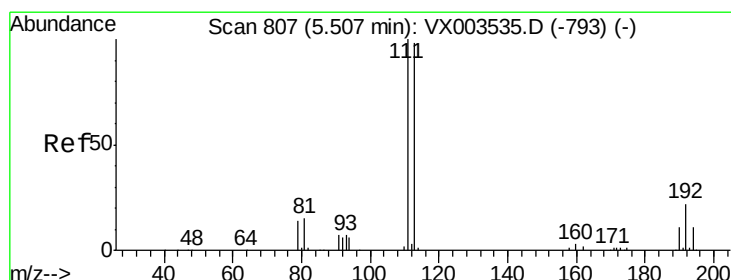
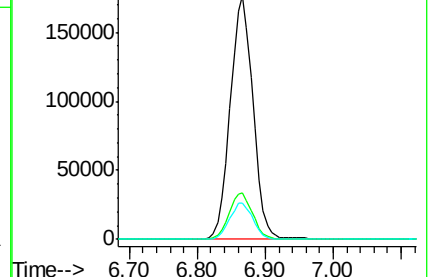
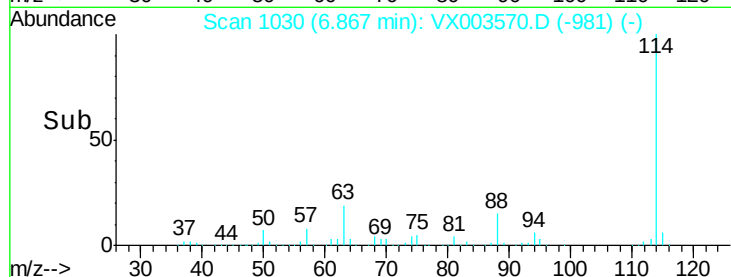
88 15.1 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.30 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

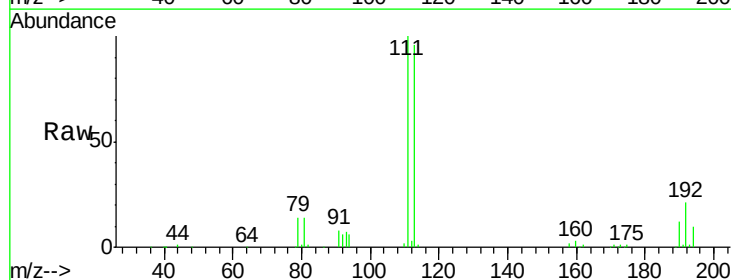
Tgt Ion:113 Resp: 166201

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

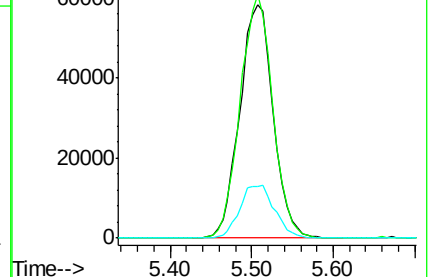
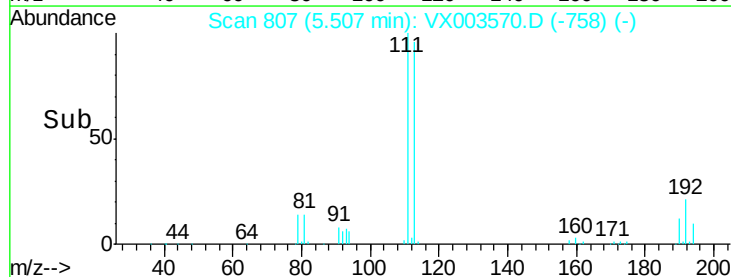
192 23.7 19.1 28.7

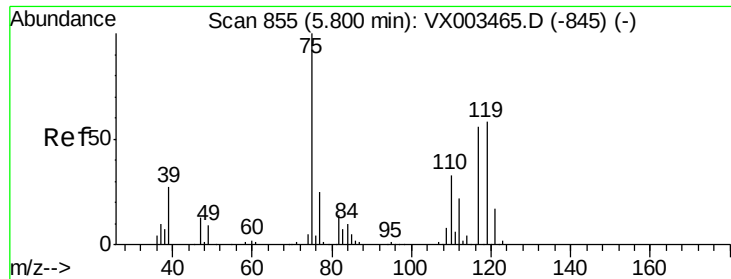


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

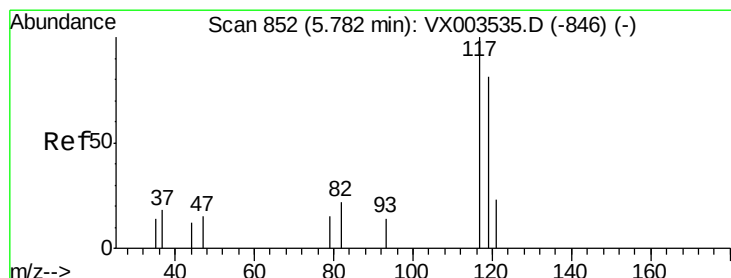
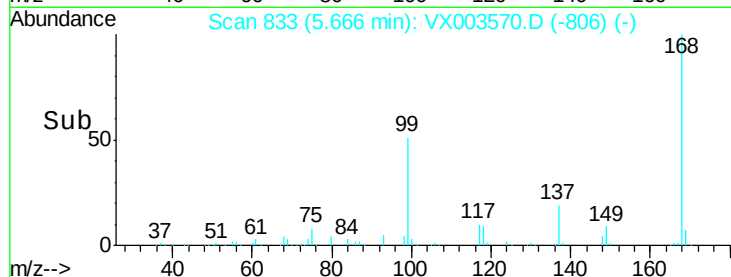
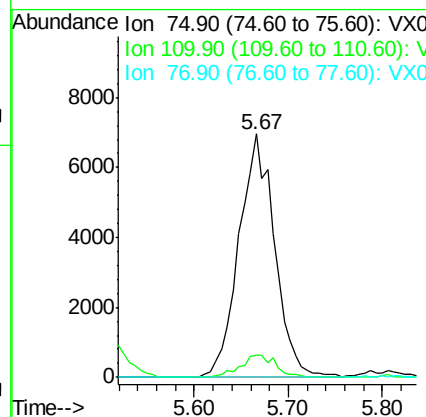
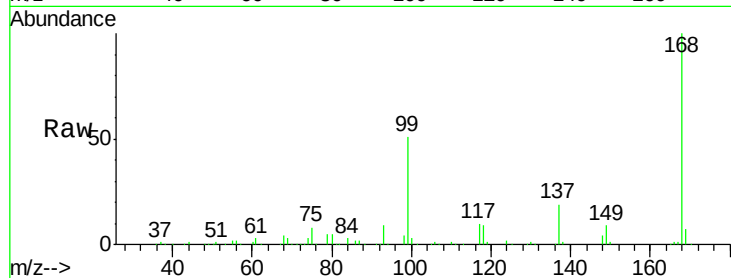




#36
 1,1-Dichloropropene
 Concen: 4.17 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003570.D
 Acq: 21 Jul 2018 22:51

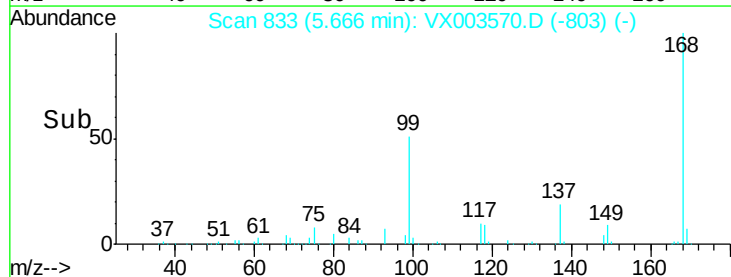
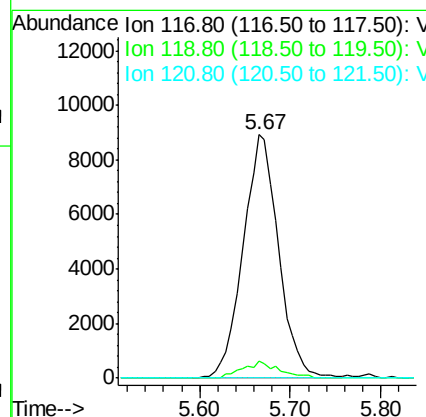
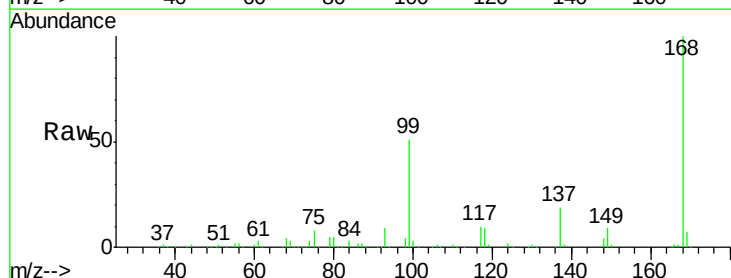
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBL02

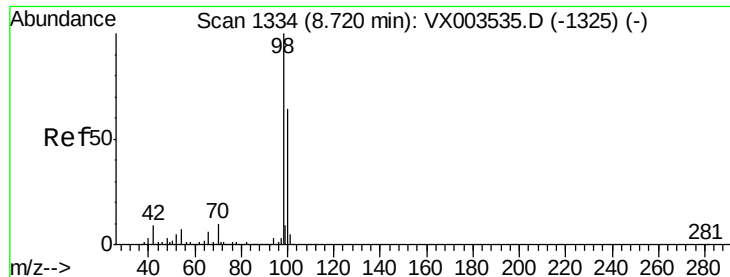
Tot Ion	75	Resp	18413
Ion Ratio	100	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.56 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003570.D
 Acq: 21 Jul 2018 22:51

Tgt Ion	117	Resp	24116
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	7.1	77.4	116.0#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 50.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampleId :

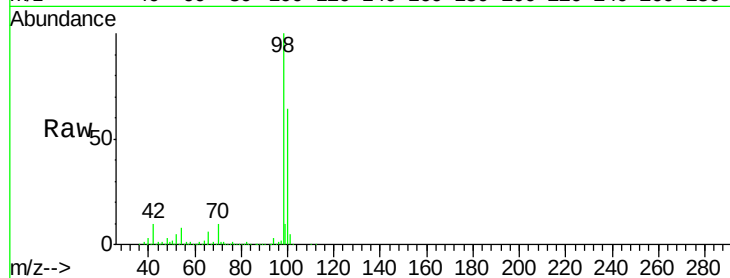
VX0721WBL02

Tot Ion: 98 Resp: 590755

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): V

8.72

400000

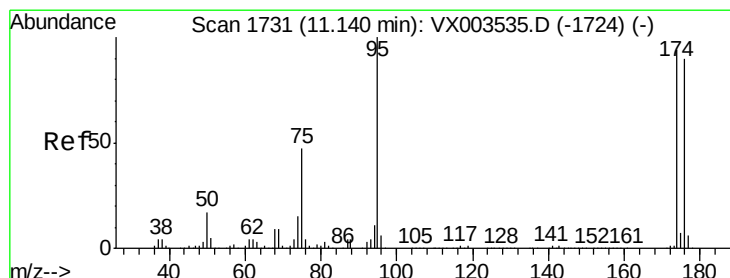
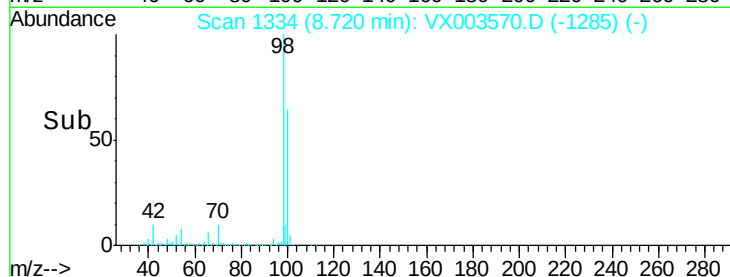
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

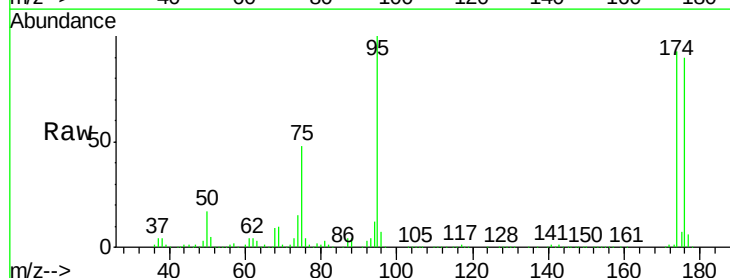
Tgt Ion: 95 Resp: 200170

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

176 91.2 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

200000

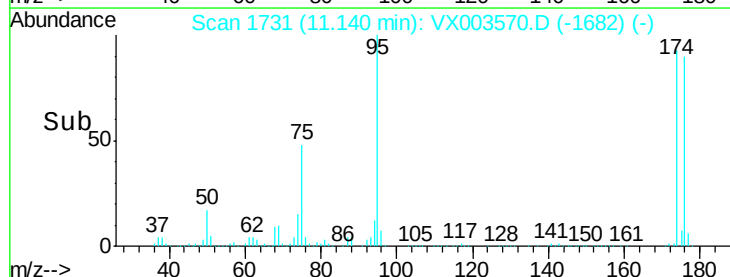
150000

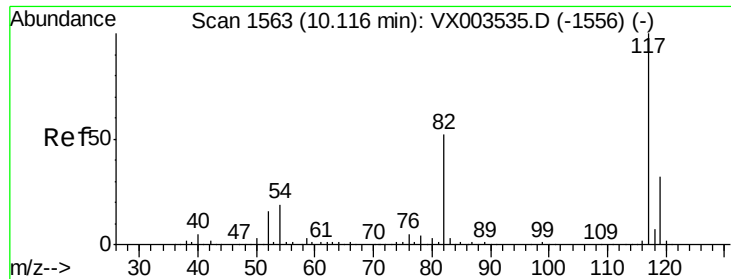
100000

50000

0

Time-->

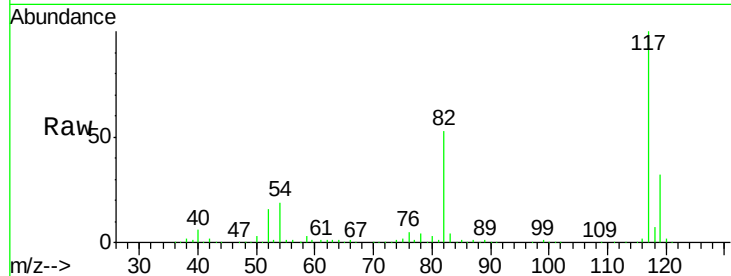




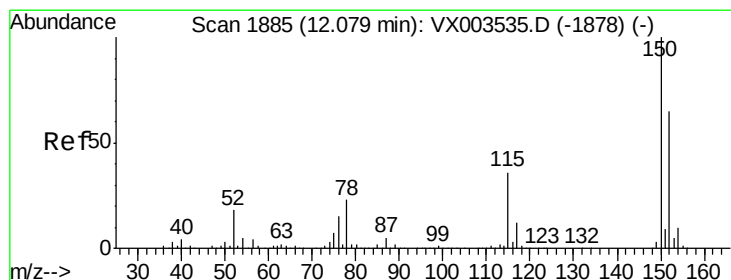
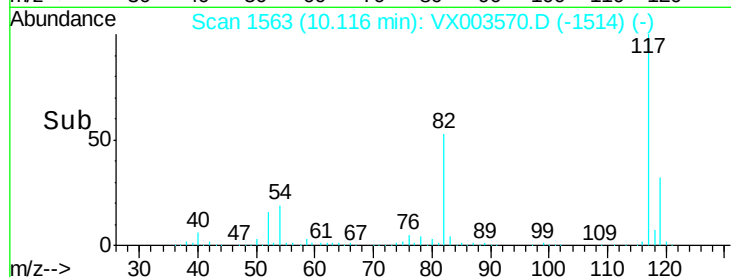
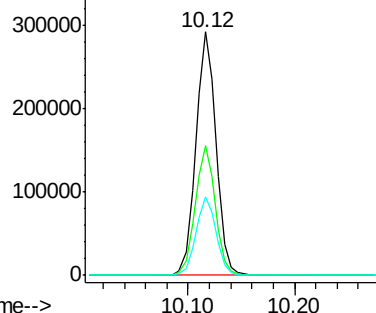
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003570.D
Acq: 21 Jul 2018 22:51

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBL02

Tot Ion:117 Resp: 387127
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.3 25.8 38.6

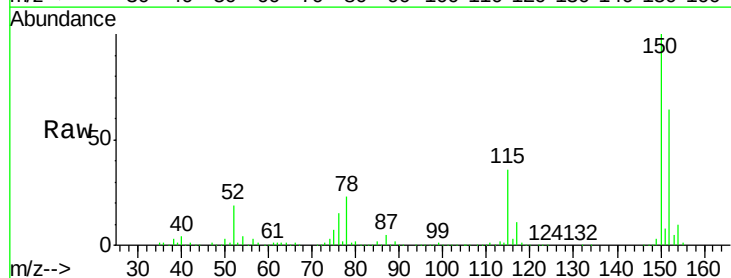


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

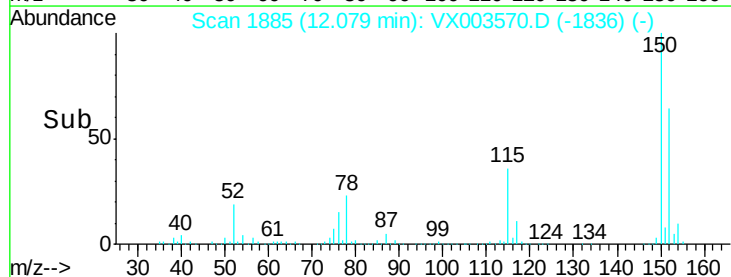
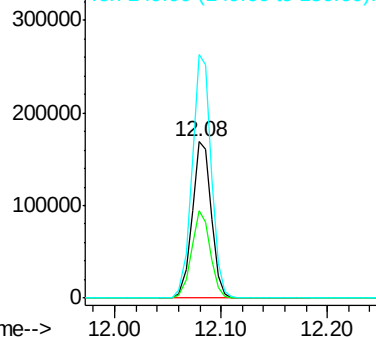


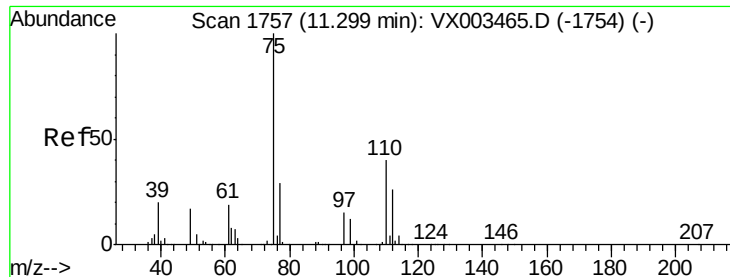
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003570.D
Acq: 21 Jul 2018 22:51

Tgt Ion:152 Resp: 211306
Ion Ratio Lower Upper
152 100
115 54.3 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: 25.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

Instrument :

MSVOA_X

ClientSampleId :

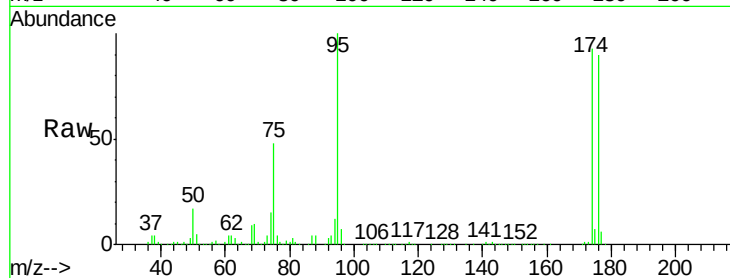
VX0721WBL02

Tot Ion: 75 Resp: 95122

Ion Ratio Lower Upper

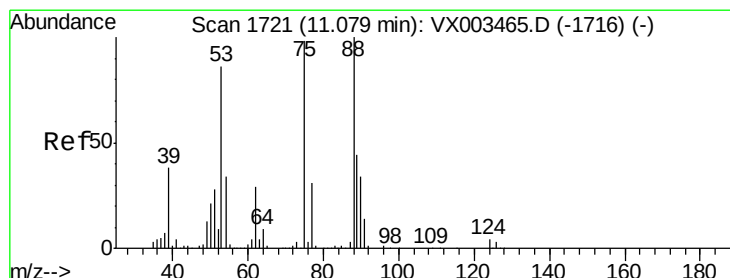
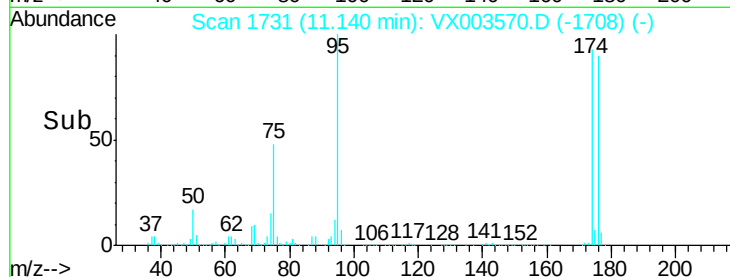
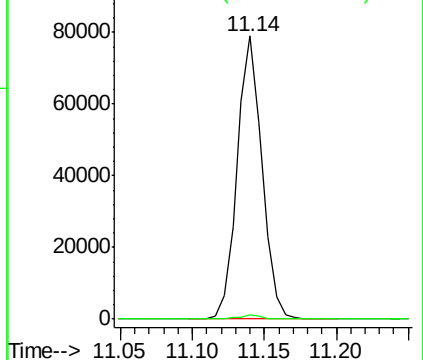
75 100

77 1.3 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: 70.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003570.D

Acq: 21 Jul 2018 22:51

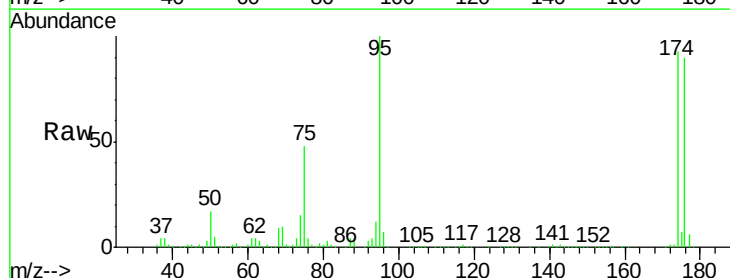
Tgt Ion: 75 Resp: 95122

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

