

Data Path : W:\HPCHEM1\MSVOA_X\DATA\WX050418\
 Data File : VX001399.D
 Acq On : 04 May 2018 16:17
 Operator : JC/MD
 Sample : J2707-11
 Misc : 5.75g/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-7(8-8.5)

Quant Time: May 05 05:42:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	152560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	208774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	183325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	98661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	106214	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	5.51	113	86853	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	8.72	98	305490	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.15	95	97318	37.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.74%	

Target Compounds

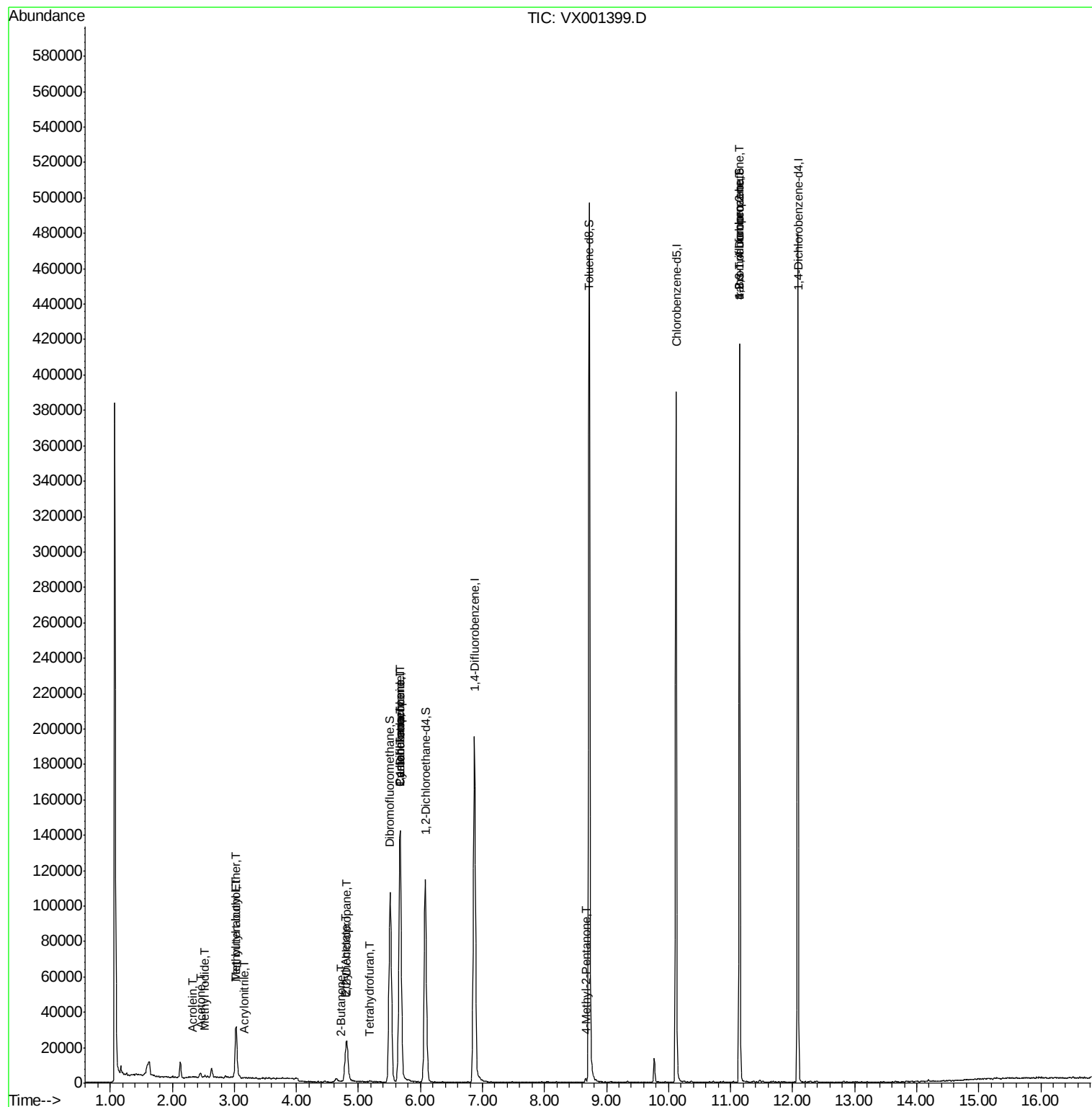
						Qvalue
5) Bromomethane	1.64	94	783	Below Cal	#	77
10) Methyl Iodide	2.52	142	1016	4.83	ug/l #	90
11) Tert butyl alcohol	3.03	59	17443	48.01	ug/l #	76
13) Acrolein	2.31	56	145	0.69	ug/l #	57
15) Acrylonitrile	3.16	53	186	0.22	ug/l #	1
16) Acetone	2.45	43	3170	3.52	ug/l	95
19) Methyl tert-butyl Ether	3.03	73	1115	0.21	ug/l #	84
20) Methylene Chloride	2.85	84	376	Below Cal	#	77
25) 2-Butanone	4.72	43	734	0.60	ug/l	95
26) 2,2-Dichloropropane	4.81	77	2183	0.93	ug/l #	52
29) Tetrahydrofuran	5.18	42	537	0.72	ug/l #	46
31) Cyclohexane	5.67	56	2851	1.10	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	10199	4.23	ug/l #	49
37) Ethyl Acetate	4.79	43	685	0.28	ug/l #	1
38) Carbon Tetrachloride	5.68	117	12905	5.11	ug/l #	17
51) 4-Methyl-2-Pentanone	8.66	43	1368	0.54	ug/l	98
76) 1,2,3-Trichloropropane	11.15	75	49381	27.07	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	49381	84.80	ug/l #	6

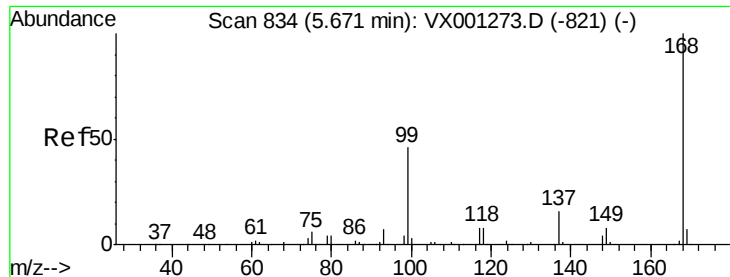
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

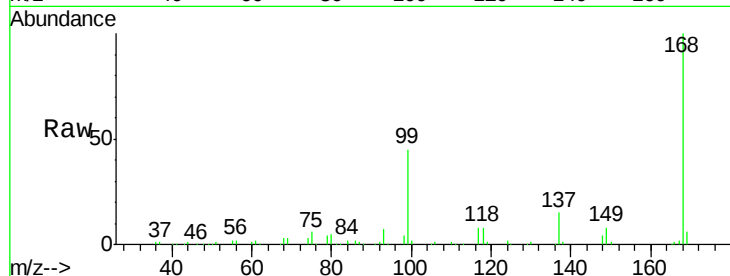
SB-7(8-8.5)

Tgt Ion: 168 Resp: 152560

Ion Ratio Lower Upper

168 100

99 44.6 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

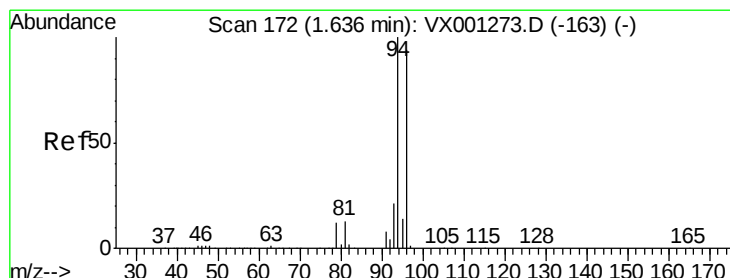
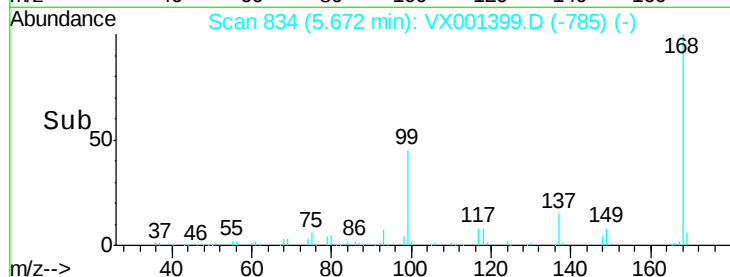
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001399.D

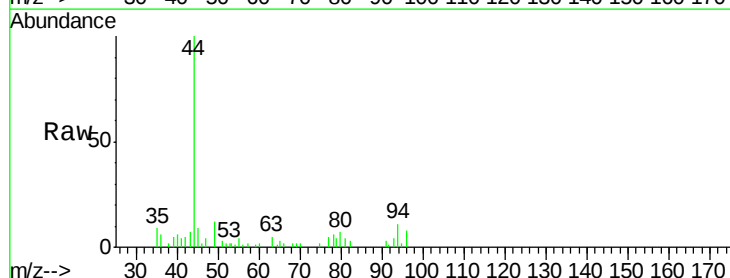
Acq: 04 May 2018 16:17

Tgt Ion: 94 Resp: 783

Ion Ratio Lower Upper

94 100

96 71.8 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

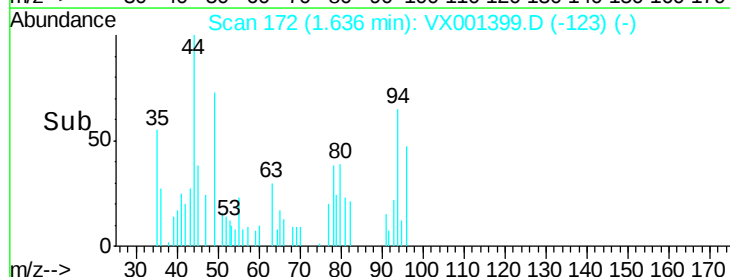
200

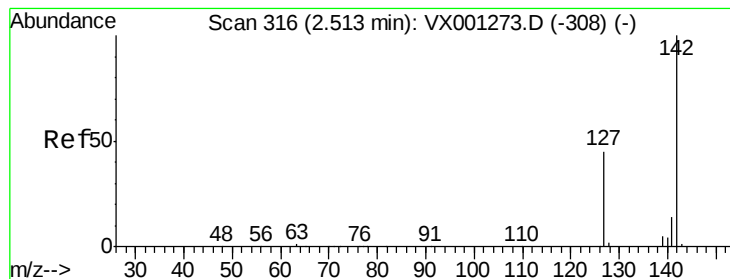
100

0

Time-->

1.60 1.65 1.70





#10

Methyl Iodide

Concen: 4.83 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

SB-7(8-8.5)

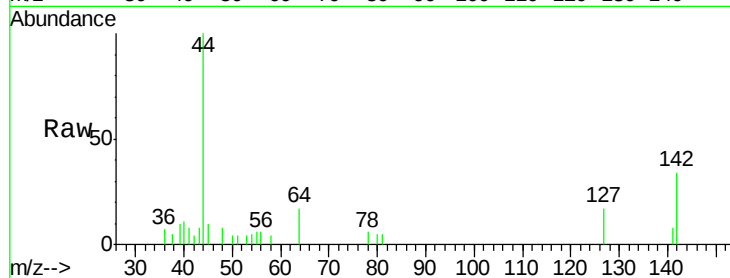
Tgt Ion:142 Resp: 1016

Ion Ratio Lower Upper

142 100

127 51.1 35.7 53.5

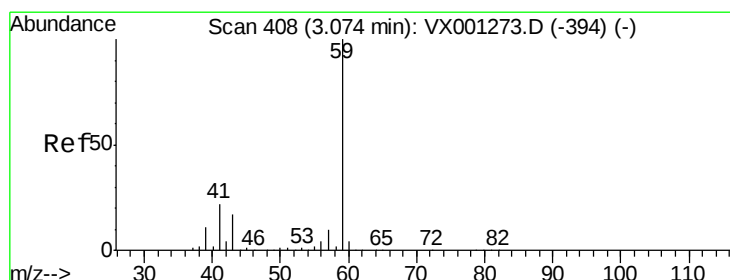
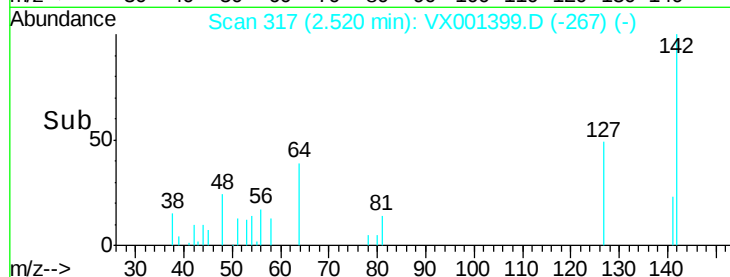
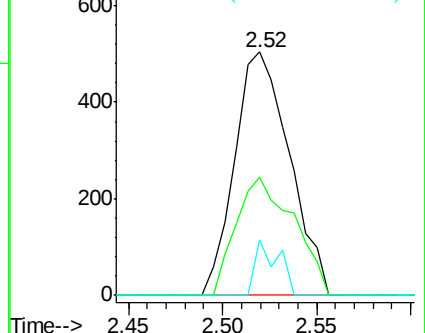
141 9.5 11.4 17.0#



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



#11

Tert butyl alcohol

Concen: 48.01 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX001399.D

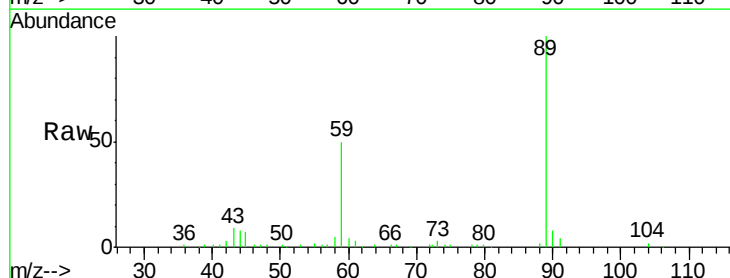
Acq: 04 May 2018 16:17

Tgt Ion: 59 Resp: 17443

Ion Ratio Lower Upper

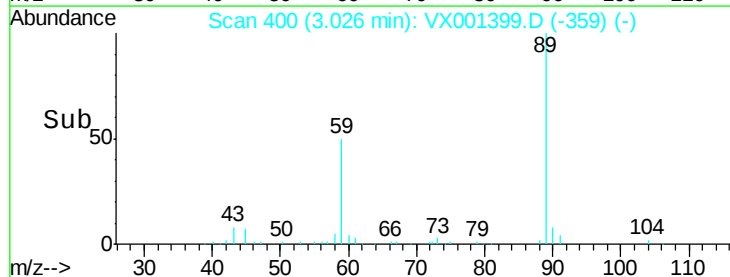
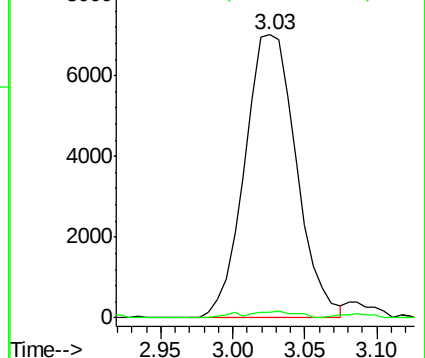
59 100

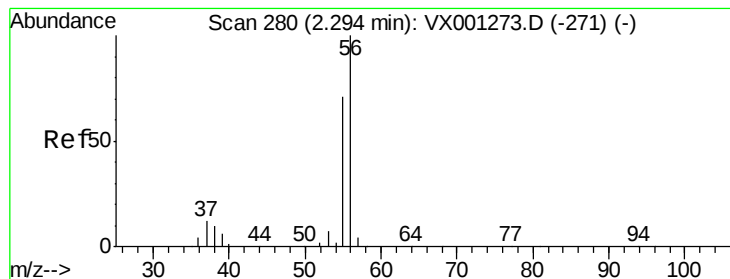
57 1.8 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.69 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

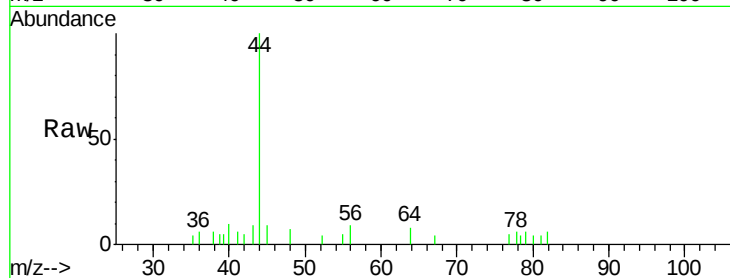
SB-7(8-8.5)

Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 35.9 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

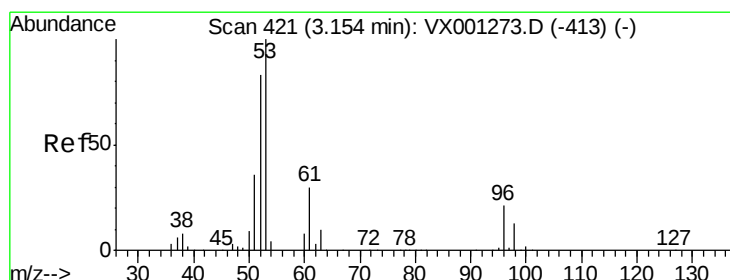
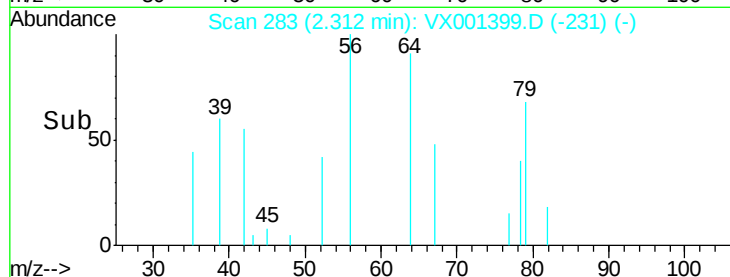
150

100

50

0

Time--> 2.26 2.28 2.30 2.32 2.34



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

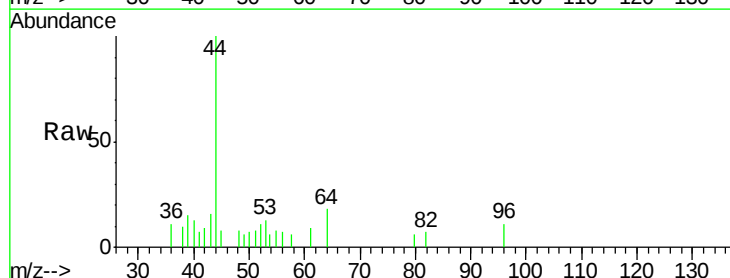
Tgt Ion: 53 Resp: 186

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 108.6 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

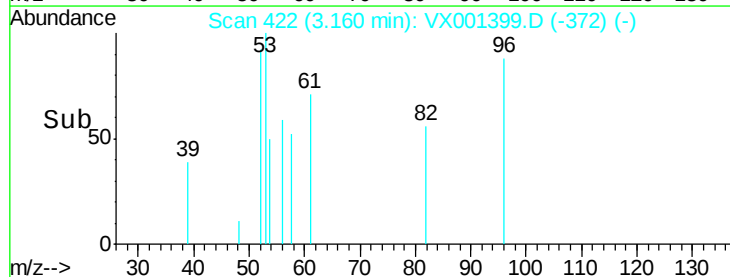
150

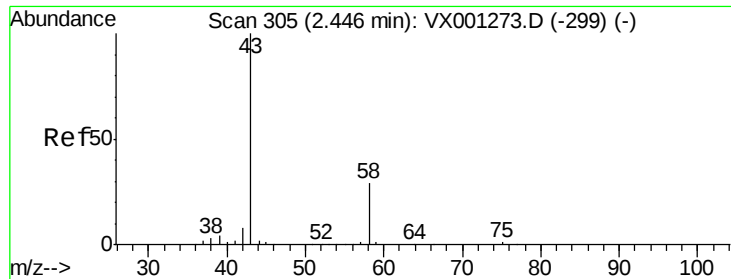
100

50

0

Time--> 3.12 3.14 3.16 3.18 3.20





#16

Acetone

Concen: 3.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

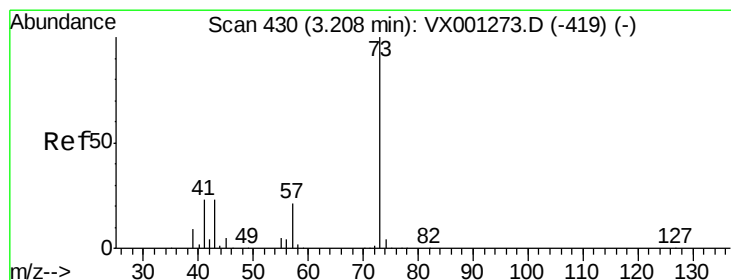
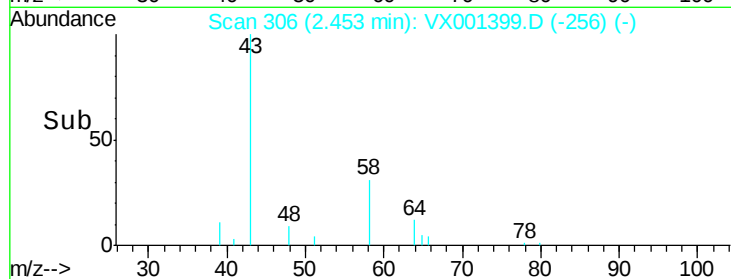
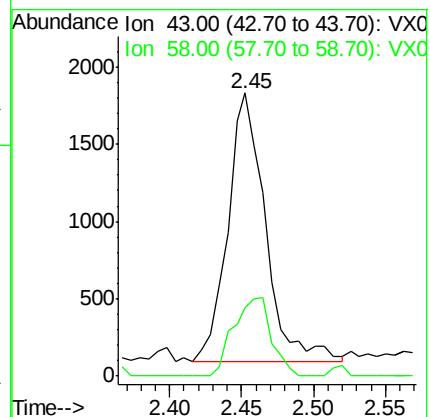
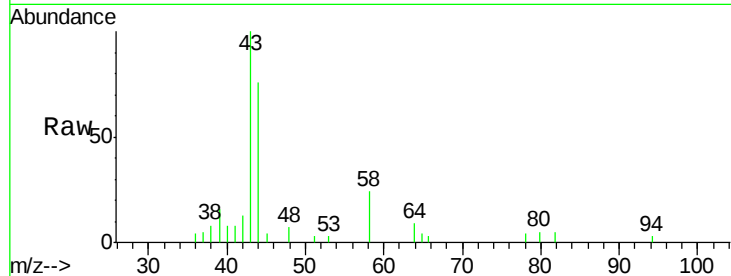
SB-7(8-8.5)

Tgt Ion: 43 Resp: 3170

Ion Ratio Lower Upper

43 100

58 25.6 22.8 34.2



#19

Methyl tert-butyl Ether

Concen: 0.21 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.18 min

Lab File: VX001399.D

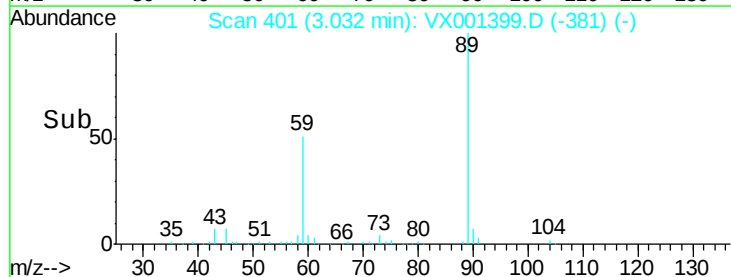
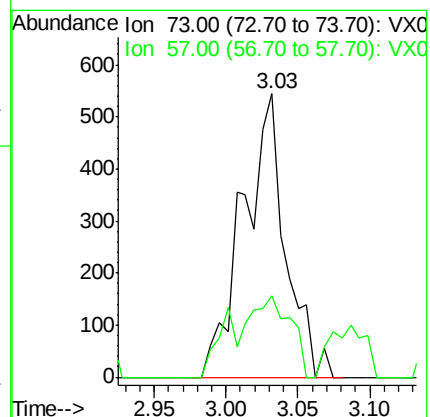
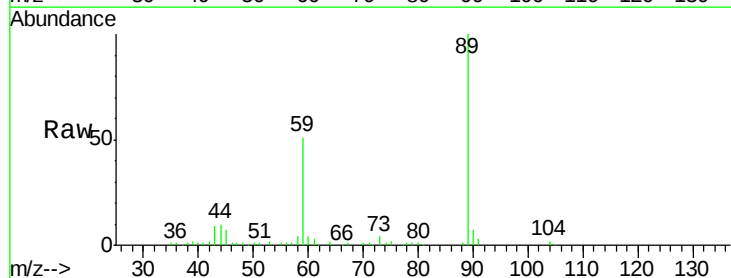
Acq: 04 May 2018 16:17

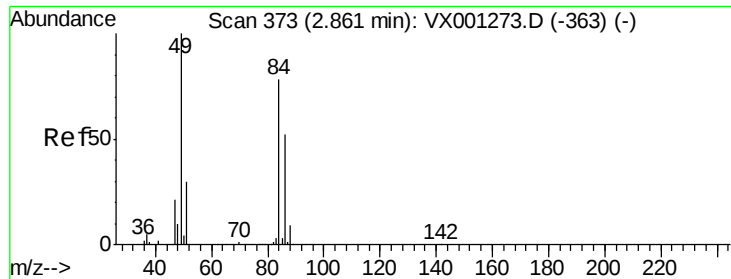
Tgt Ion: 73 Resp: 1115

Ion Ratio Lower Upper

73 100

57 28.7 16.8 25.2#

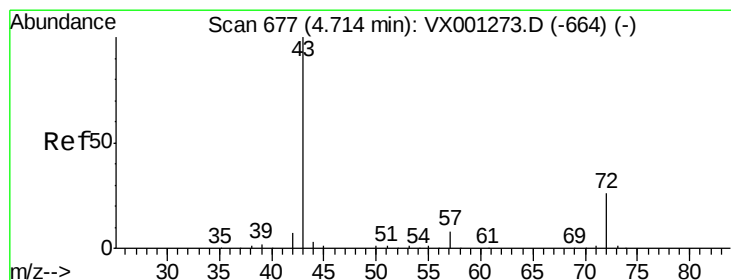
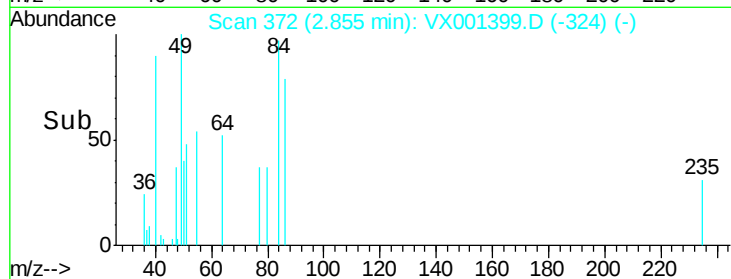
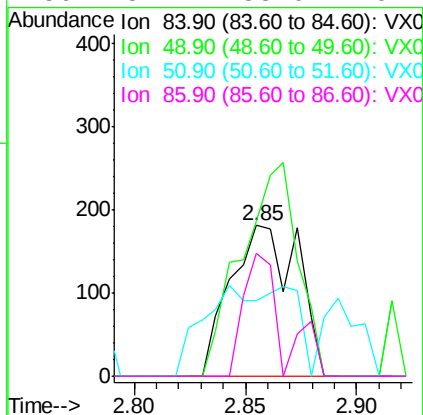
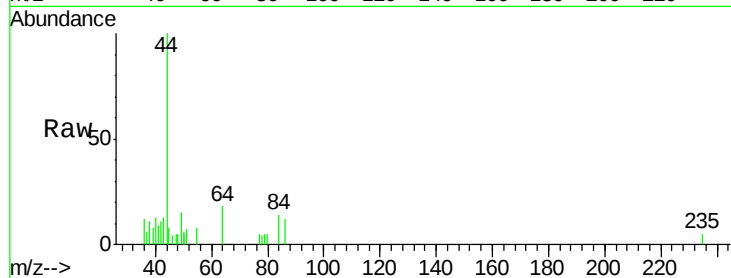




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001399.D
Acq: 04 May 2018 16:17

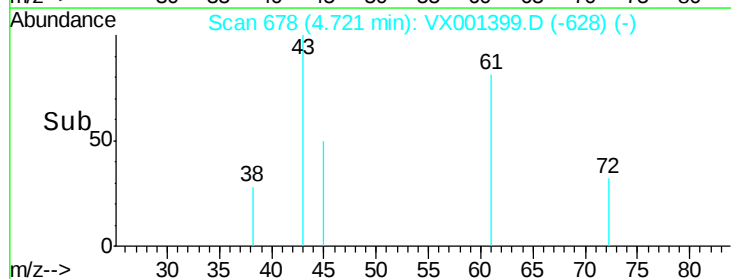
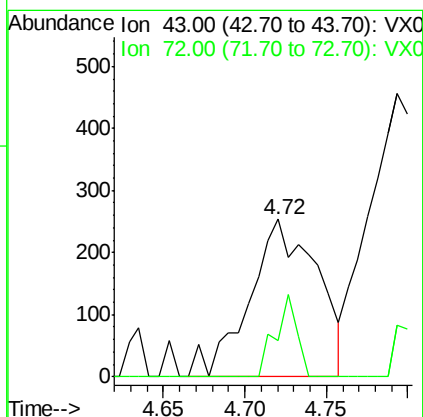
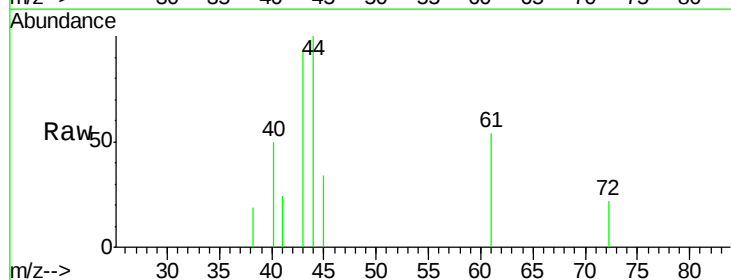
Instrument :
MSVOA_X
ClientSampleId :
SB-7(8-8.5)

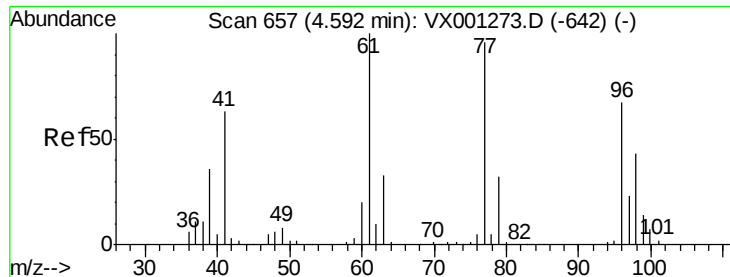
Tgt Ion: 84 Resp: 376
Ion Ratio Lower Upper
84 100
49 102.8 102.8 154.2#
51 17.7 30.9 46.3#
86 81.2 53.0 79.4#



#25
2-Butanone
Concen: 0.60 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX001399.D
Acq: 04 May 2018 16:17

Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
72 23.2 20.5 30.7





#26

2,2-Dichloropropane

Concen: 0.93 ug/l

RT: 4.81 min Scan# 693

Delta R.T. 0.22 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

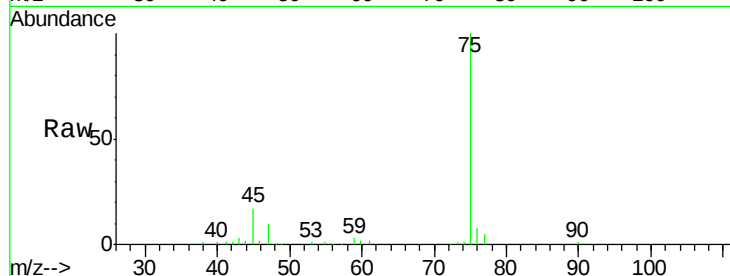
SB-7(8-8.5)

Tgt Ion: 77 Resp: 2183

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

800

600

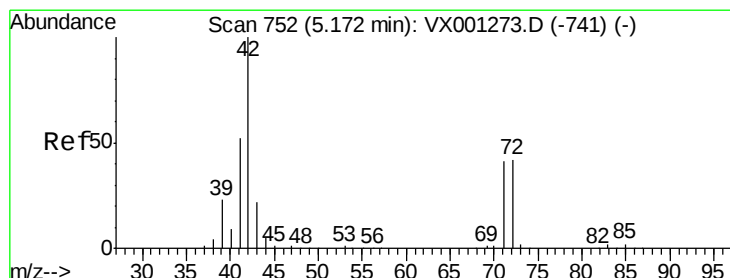
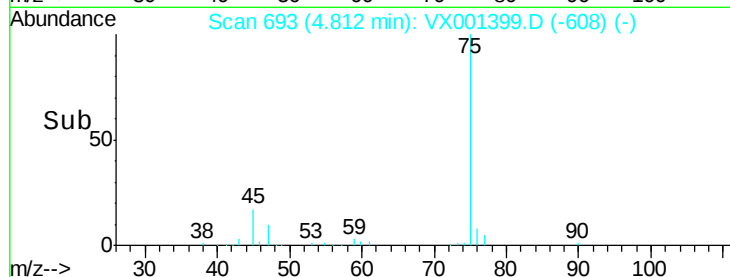
400

200

0

4.70 4.75 4.80 4.85 4.90

Time-->



#29

Tetrahydrofuran

Concen: 0.72 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

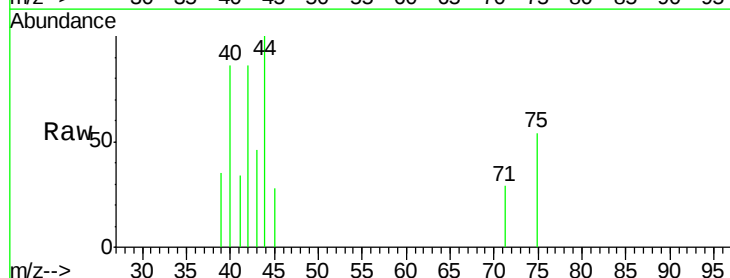
Tgt Ion: 42 Resp: 537

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 16.4 32.7 49.1#



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

200

150

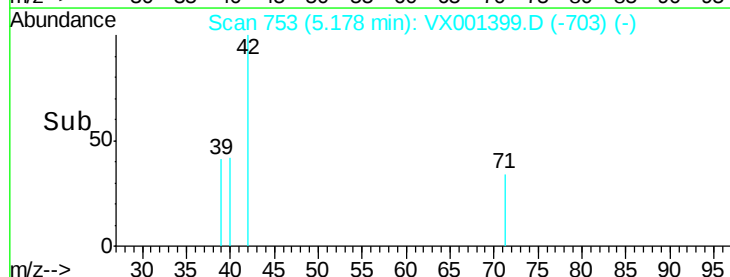
100

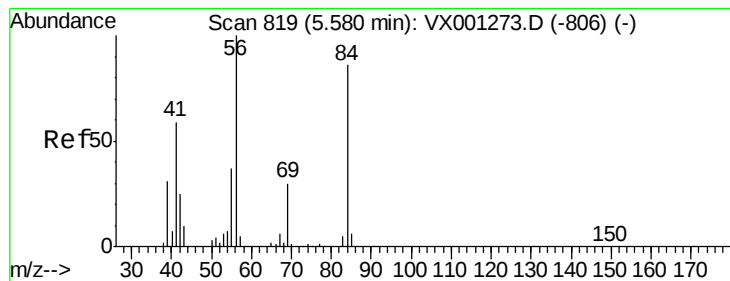
50

0

5.10 5.15 5.20 5.25

Time-->





#31

Cyclohexane

Concen: 1.10 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

SB-7(8-8.5)

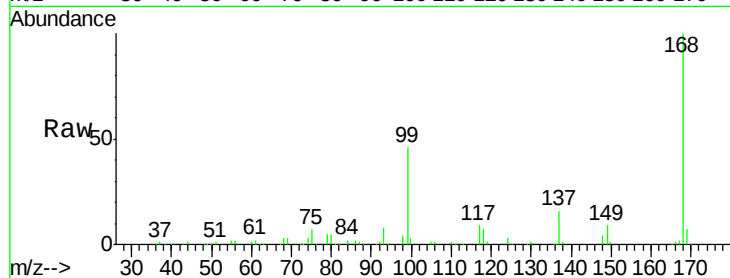
Tgt Ion: 56 Resp: 2851

Ion Ratio Lower Upper

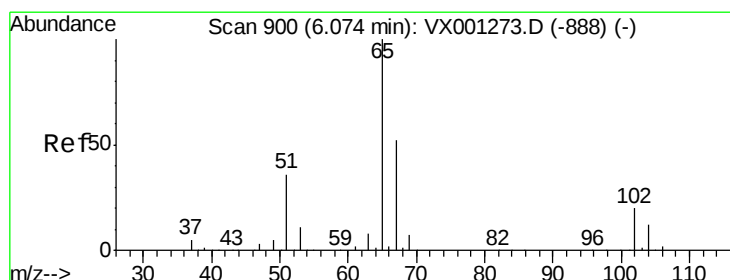
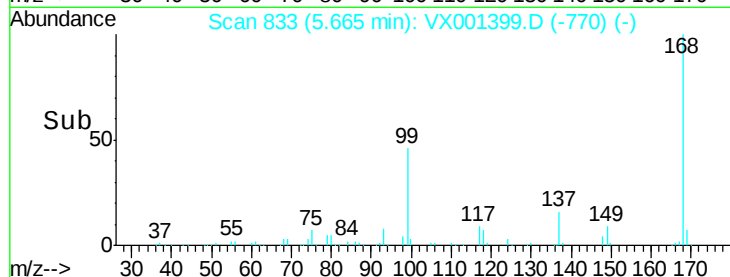
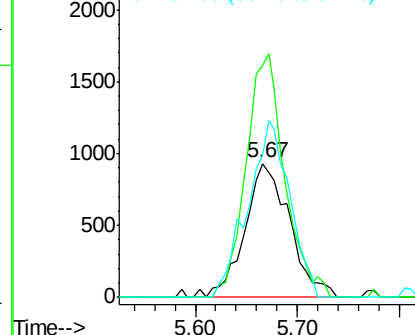
56 100

69 173.1 24.0 36.0#

84 106.6 69.0 103.4#



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: 50.30 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001399.D

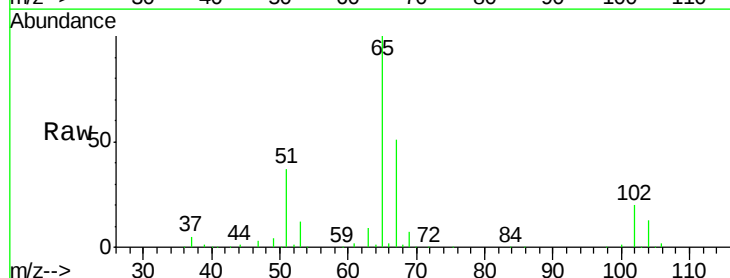
Acq: 04 May 2018 16:17

Tgt Ion: 65 Resp: 106214

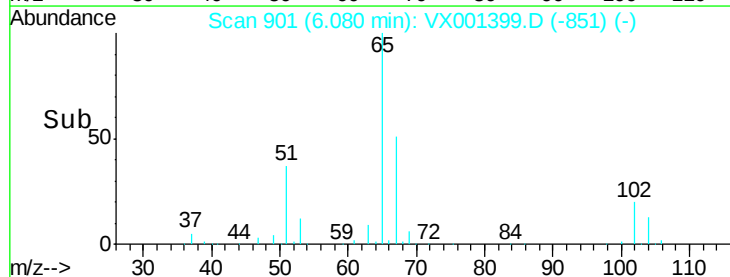
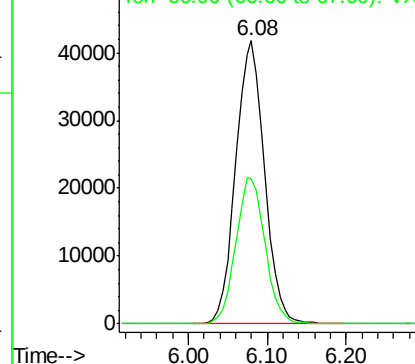
Ion Ratio Lower Upper

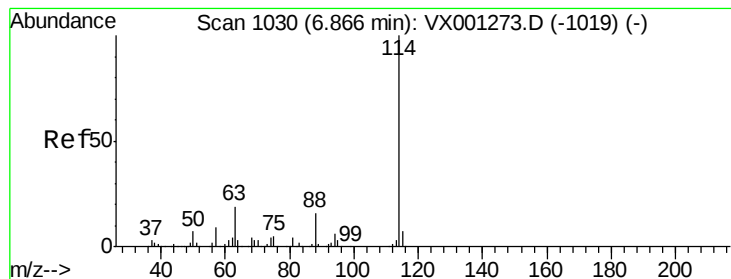
65 100

67 52.4 0.0 102.8



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# 1031

Delta R.T. 0.01 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

SB-7(8-8.5)

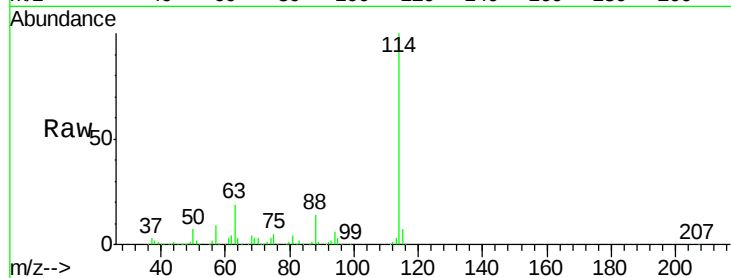
Tgt Ion:114 Resp: 208774

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.8

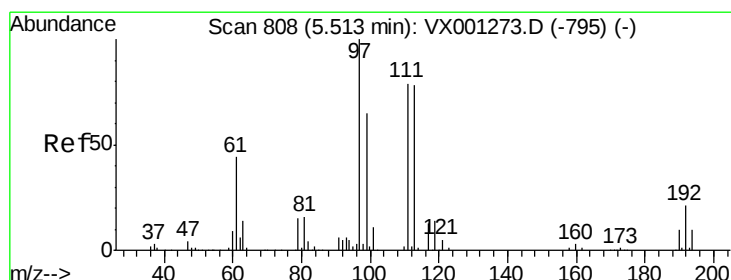
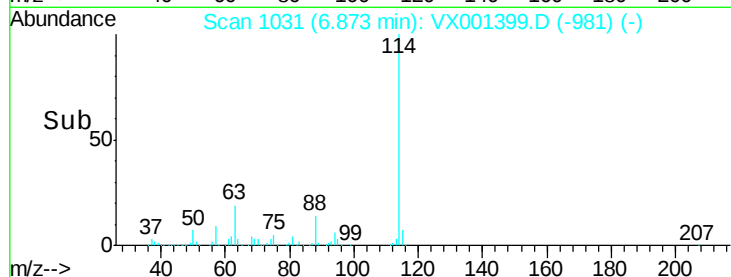
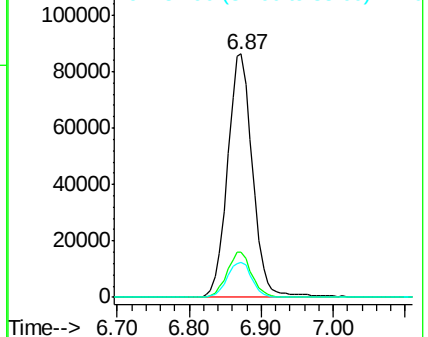
88 14.4 0.0 32.2



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: 48.29 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

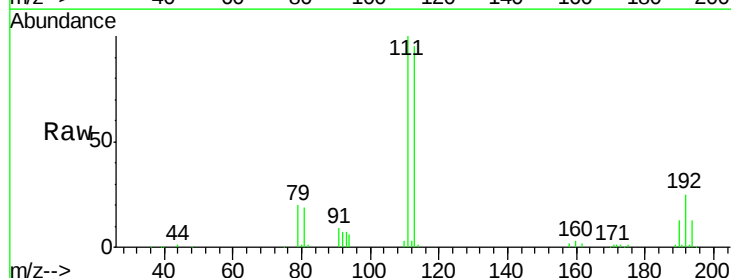
Tgt Ion:113 Resp: 86853

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

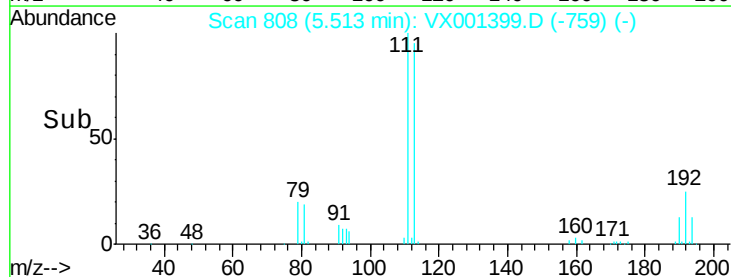
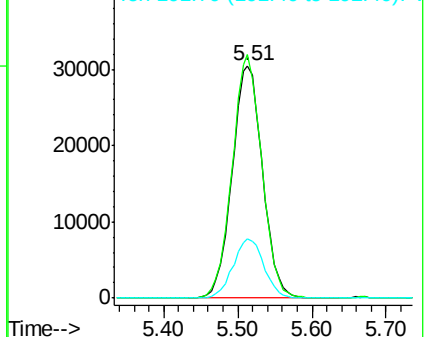
192 26.1 20.7 31.1

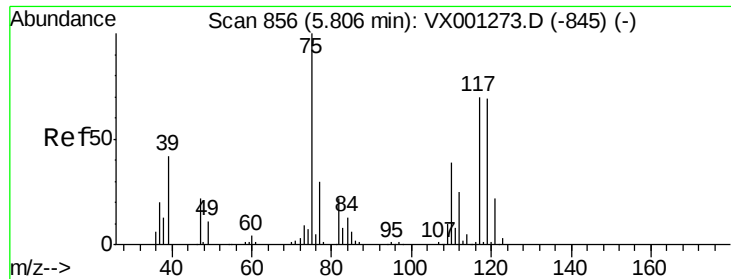


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

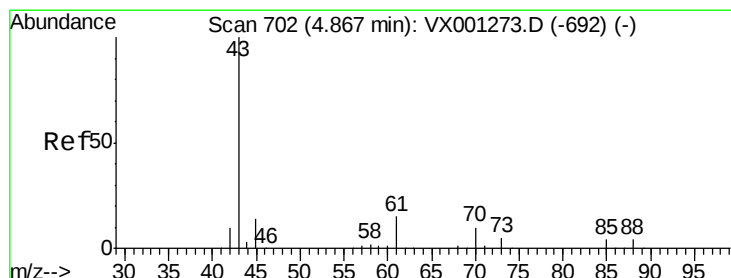
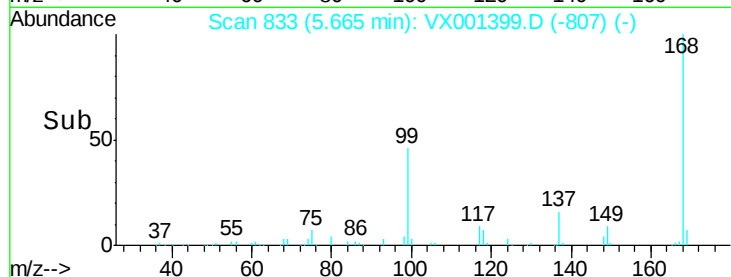
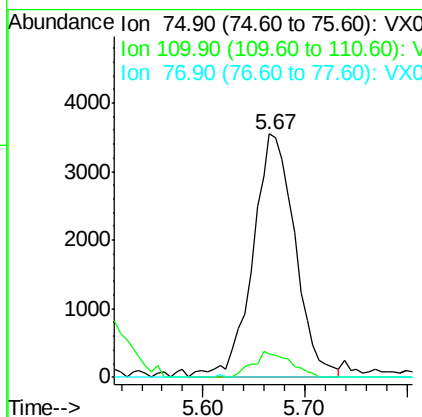
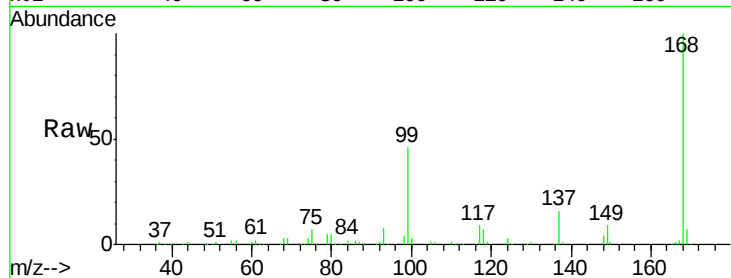




#36
 1,1-Dichloropropene
 Concen: 4.23 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001399.D
 Acq: 04 May 2018 16:17

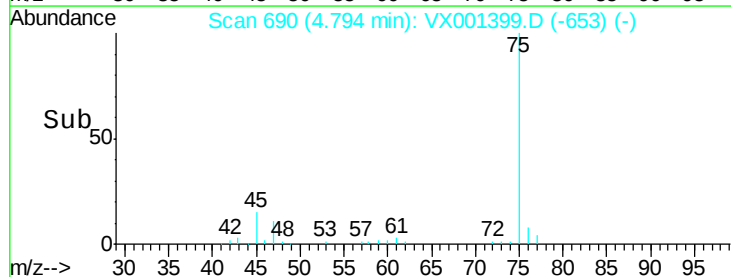
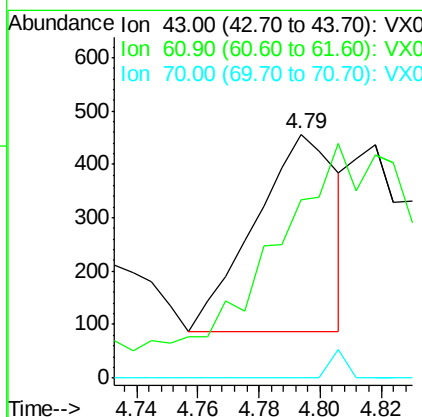
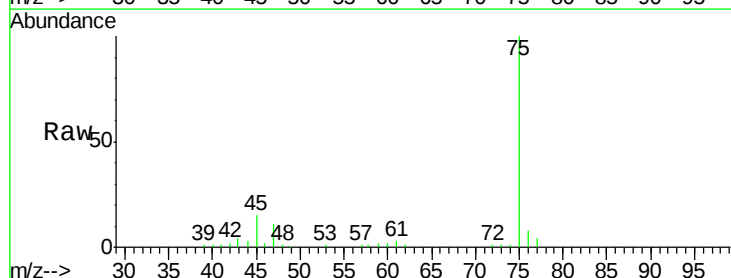
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-7(8-8.5)

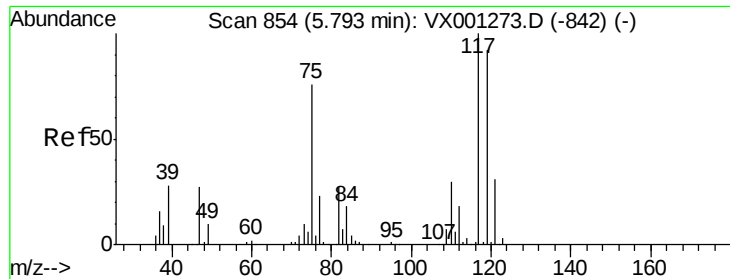
Tgt Ion: 75 Resp: 10199
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.9 56.9#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 0.28 ug/l
 RT: 4.79 min Scan# 690
 Delta R.T. -0.07 min
 Lab File: VX001399.D
 Acq: 04 May 2018 16:17

Tgt Ion: 43 Resp: 685
 Ion Ratio Lower Upper
 43 100
 61 220.0 10.7 16.1#
 70 2.9 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.11 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

SB-7(8-8.5)

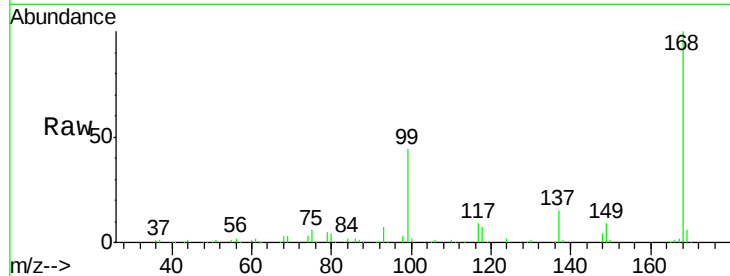
Tgt Ion:117 Resp: 12905

Ion Ratio Lower Upper

117 100

119 4.8 73.4 110.2#

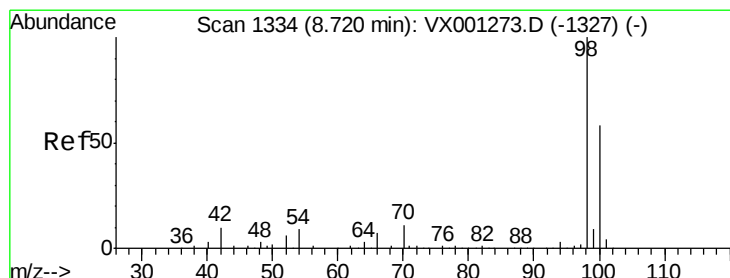
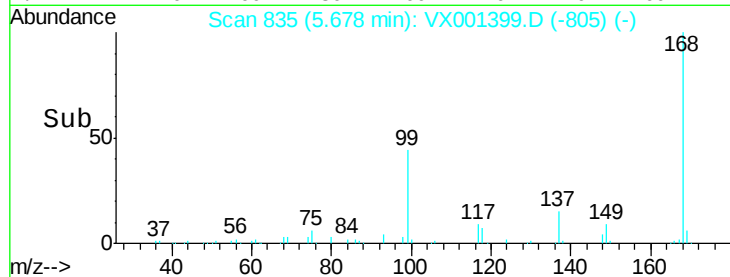
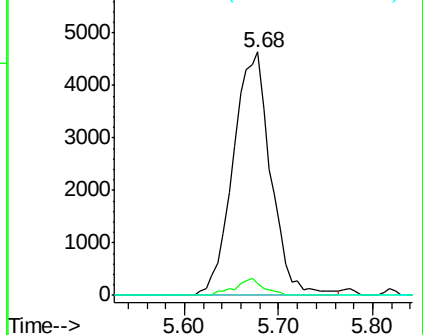
121 0.0 25.0 37.4#



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: 47.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001399.D

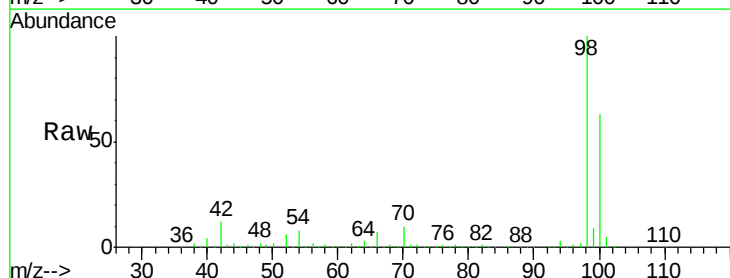
Acq: 04 May 2018 16:17

Tgt Ion: 98 Resp: 305490

Ion Ratio Lower Upper

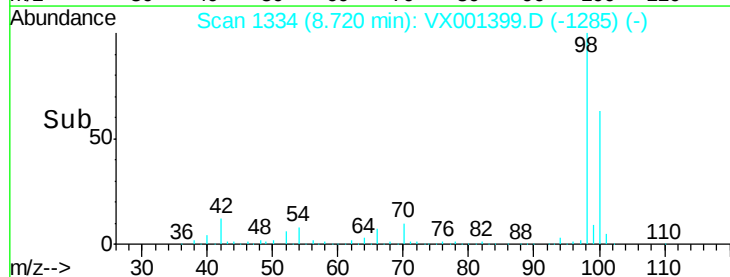
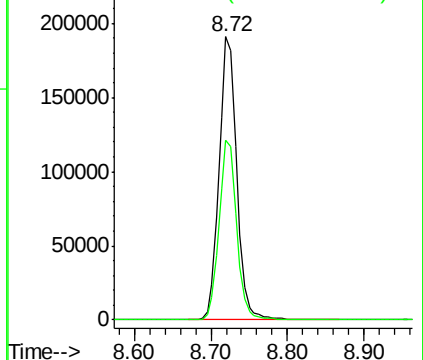
98 100

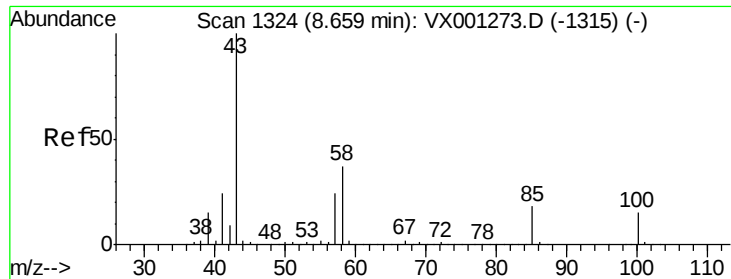
100 63.5 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.54 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

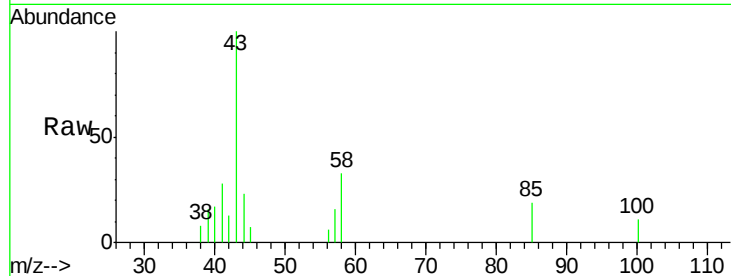
SB-7(8-8.5)

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

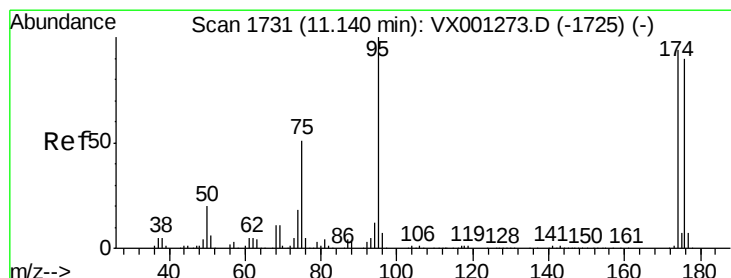
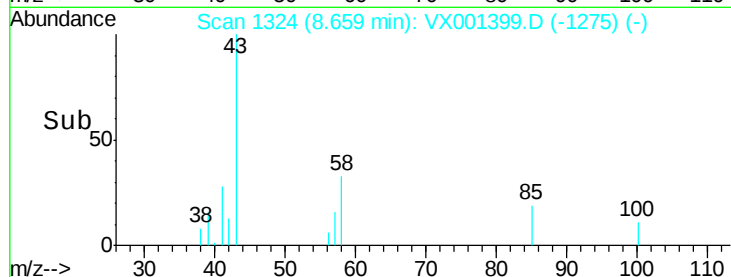
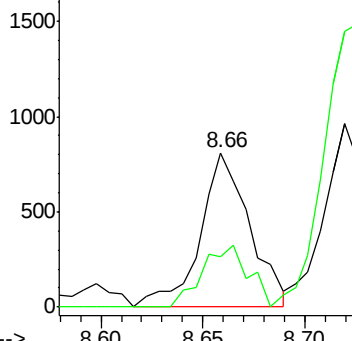
43 100

58 37.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 37.87 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

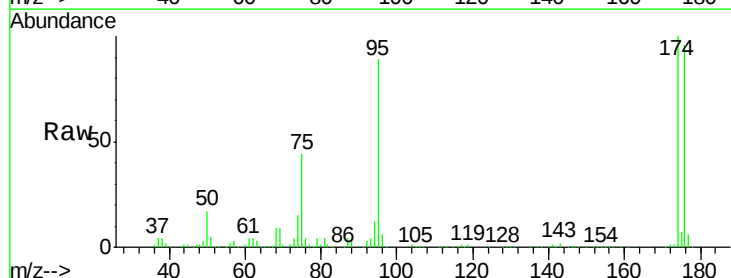
Tgt Ion: 95 Resp: 97318

Ion Ratio Lower Upper

95 100

174 105.9 0.0 201.8

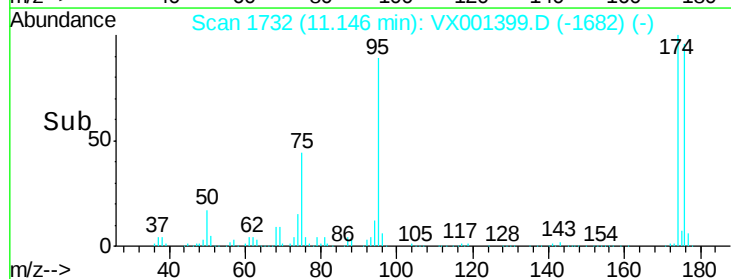
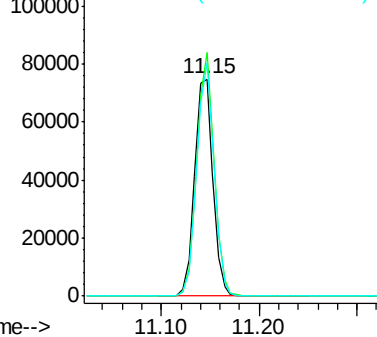
176 102.0 0.0 197.2

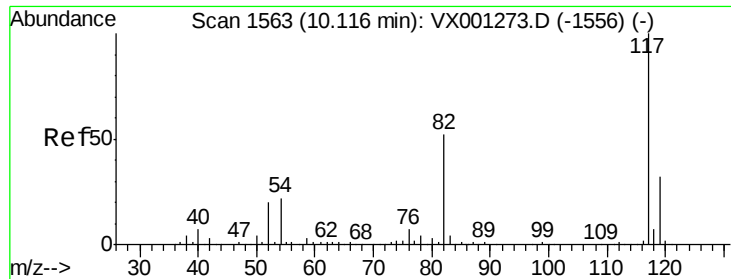


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

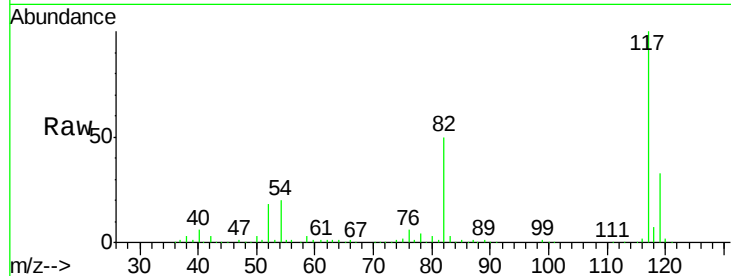




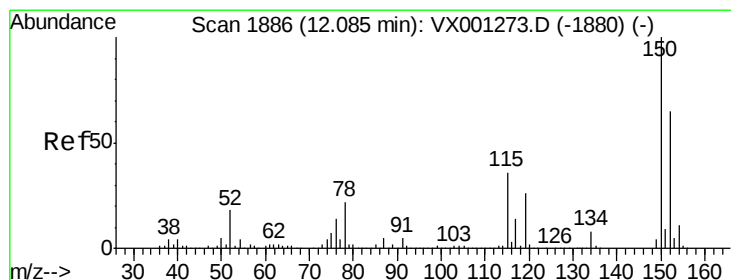
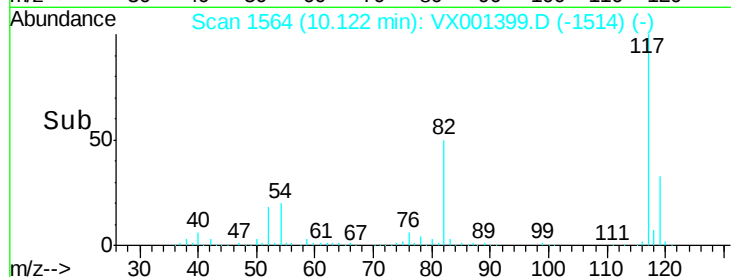
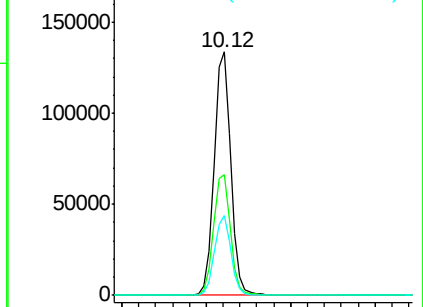
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001399.D
Acq: 04 May 2018 16:17

Instrument :
MSVOA_X
ClientSampleId :
SB-7(8-8.5)

Tgt Ion:117 Resp: 183325
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.0
119 32.8 25.5 38.3

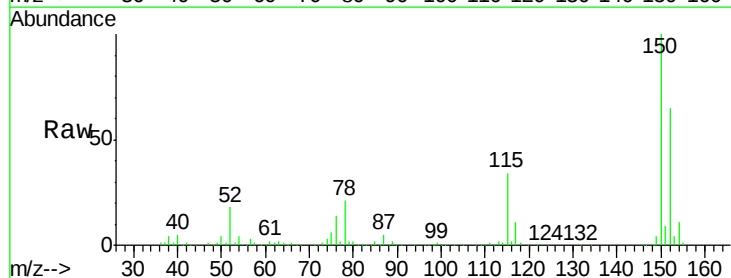


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

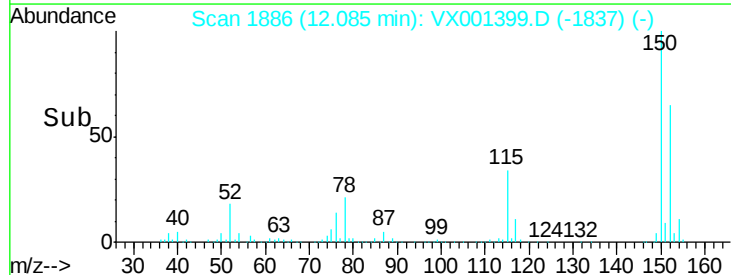
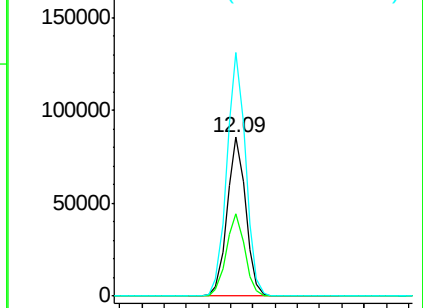


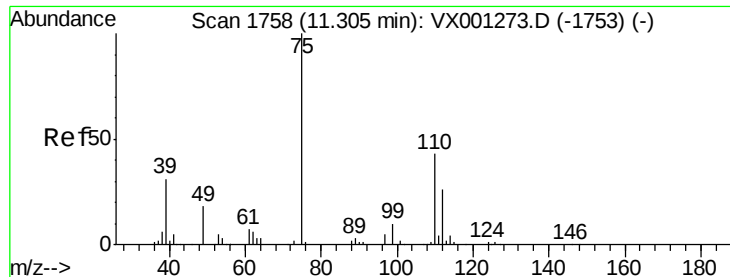
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001399.D
Acq: 04 May 2018 16:17

Tgt Ion:152 Resp: 98661
Ion Ratio Lower Upper
152 100
115 51.9 38.6 115.7
150 154.8 0.0 349.2



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: 27.07 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

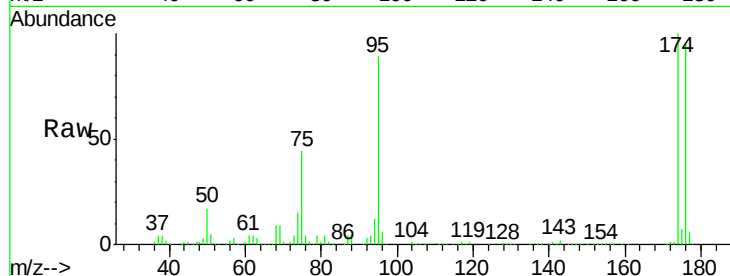
SB-7(8-8.5)

Tgt Ion: 75 Resp: 49381

Ion Ratio Lower Upper

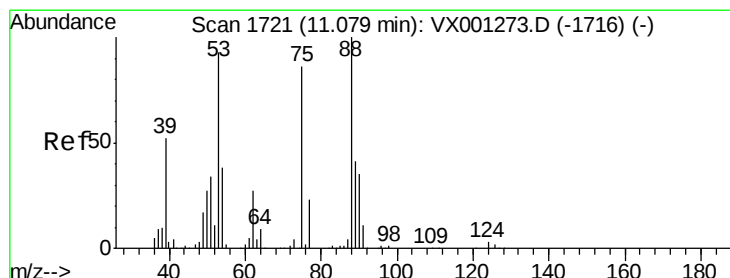
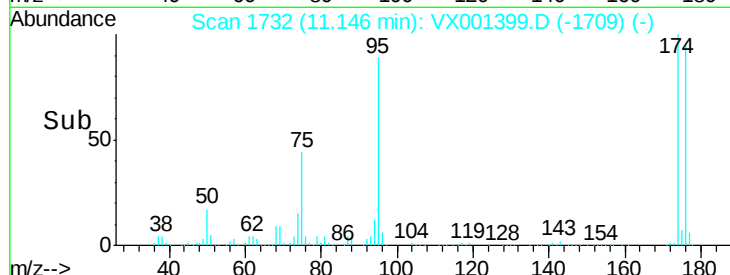
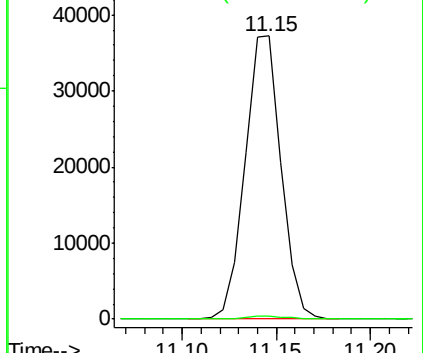
75 100

77 1.3 18.9 56.5#



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: 84.80 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001399.D

Acq: 04 May 2018 16:17

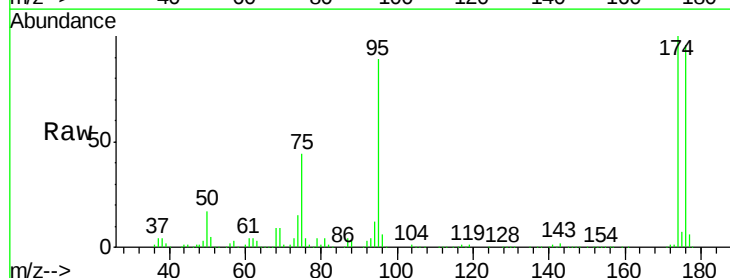
Tgt Ion: 75 Resp: 49381

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

89 0.1 38.9 58.3#



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

