

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
 Data File : VX001392.D
 Acq On : 04 May 2018 12:26
 Operator : JC/MD
 Sample : VX0504WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBL01

Quant Time: May 05 05:42:22 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	177335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	235473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	203891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	107463	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	128041	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	5.51	113	105247	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	8.72	98	388789	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.14	95	121544	41.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.86%	

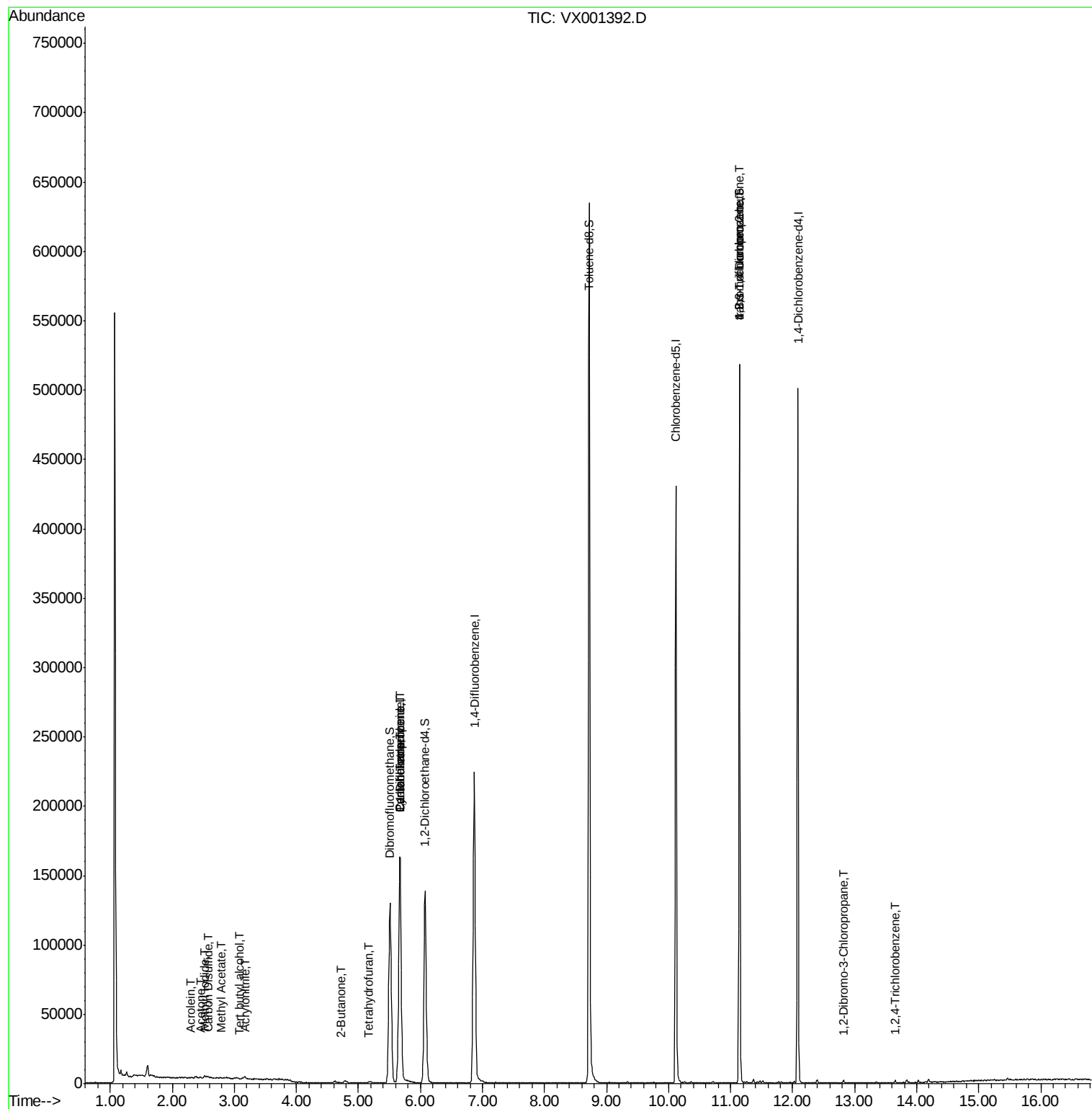
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	844	Below Cal		97
10) Methyl Iodide	2.51	142	1810	5.10	ug/l #	88
11) Tert butyl alcohol	3.09	59	117	0.28	ug/l #	1
13) Acrolein	2.30	56	189	0.78	ug/l #	33
15) Acrylonitrile	3.16	53	722	0.74	ug/l #	91
16) Acetone	2.45	43	601	0.57	ug/l #	83
17) Carbon Disulfide	2.57	76	1533	0.33	ug/l #	81
18) Methyl Acetate	2.78	43	535	0.22	ug/l #	81
20) Methylene Chloride	2.87	84	303	Below Cal	#	38
25) 2-Butanone	4.71	43	444	0.31	ug/l #	49
29) Tetrahydrofuran	5.16	42	870	1.00	ug/l #	60
31) Cyclohexane	5.67	56	3213	1.07	ug/l #	43
36) 1,1-Dichloropropene	5.67	75	10769	3.96	ug/l #	51
38) Carbon Tetrachloride	5.67	117	15004	5.27	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	62014	31.21	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	62014	97.11	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	12.81	75	108	0.25	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	745	0.24	ug/l	90

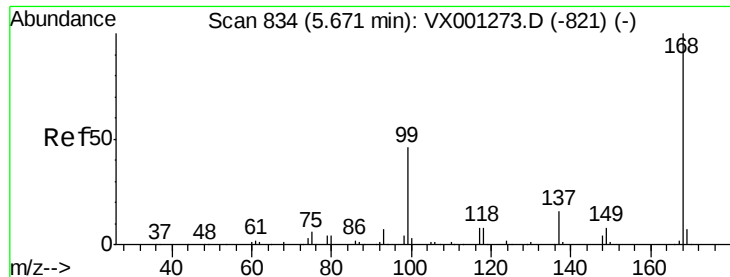
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
Data File : VX001392.D
Acq On : 04 May 2018 12:26
Operator : JC/MD
Sample : VX0504WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBL01

Quant Time: May 05 05:42:22 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

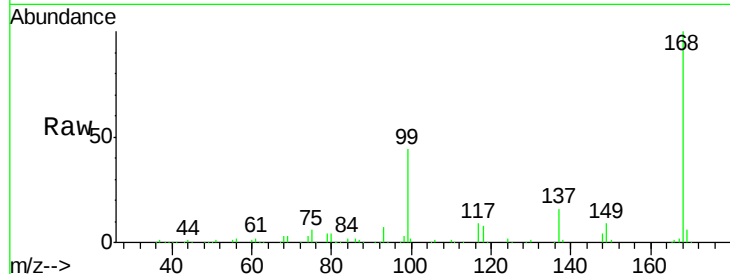
VX0504MBL01

Tgt Ion:168 Resp: 177335

Ion Ratio Lower Upper

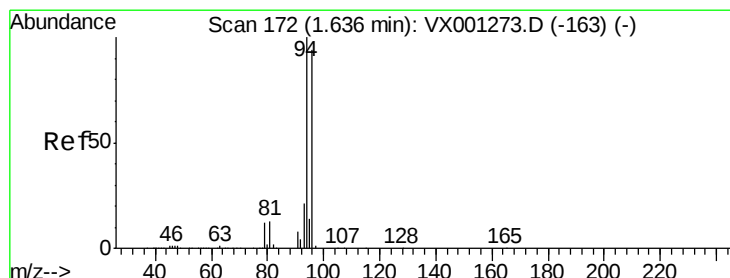
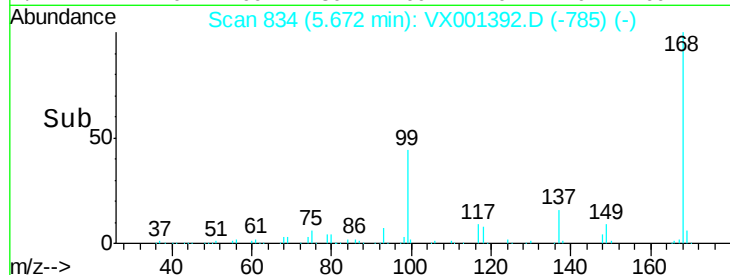
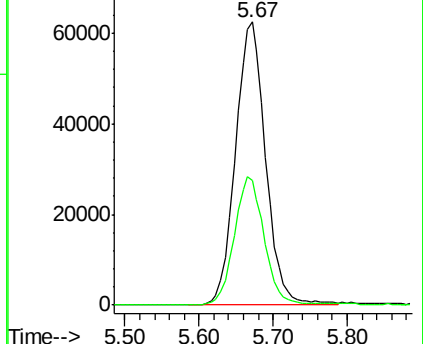
168 100

99 43.9 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001392.D

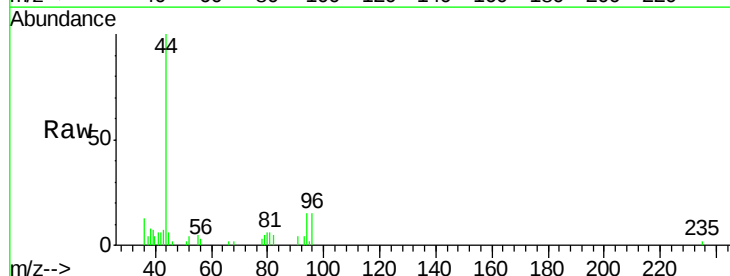
Acq: 04 May 2018 12:26

Tgt Ion: 94 Resp: 844

Ion Ratio Lower Upper

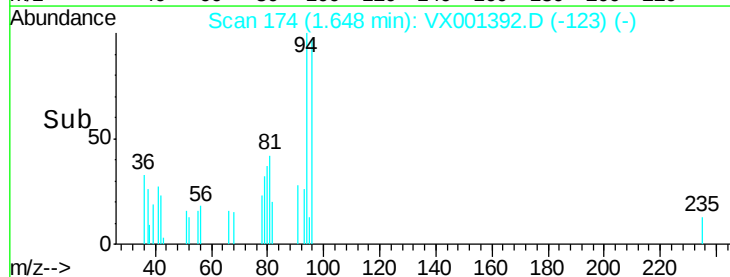
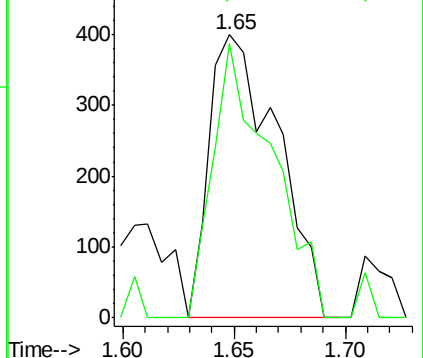
94 100

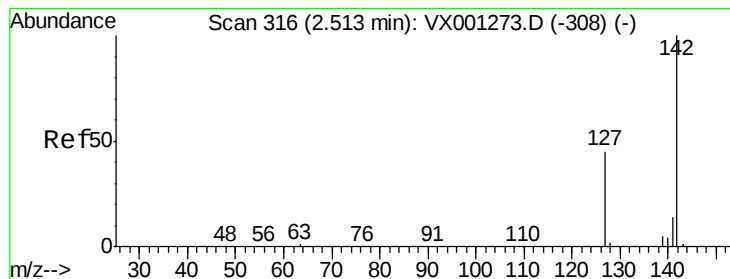
96 97.0 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 5.10 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBL01

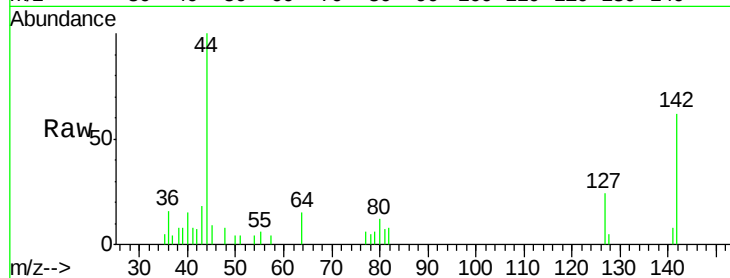
Tgt Ion:142 Resp: 1810

Ion Ratio Lower Upper

142 100

127 47.7 35.7 53.5

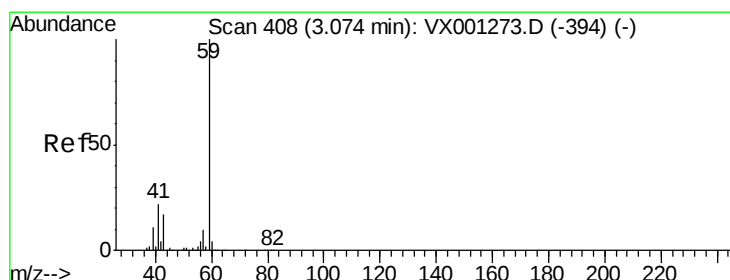
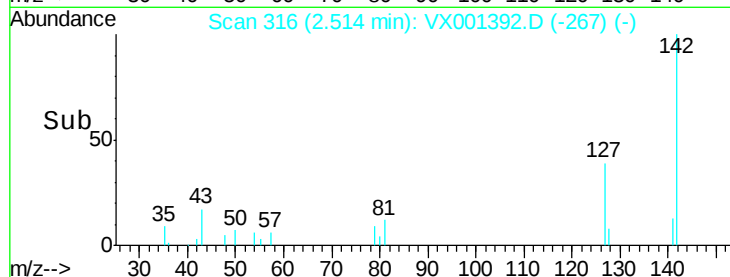
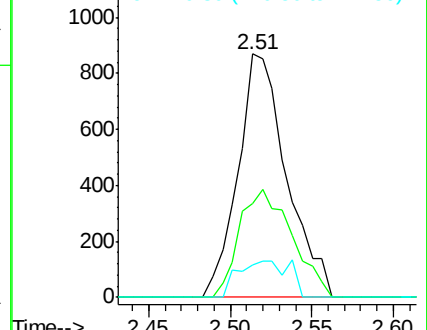
141 0.0 11.4 17.0#



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: 0.28 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX001392.D

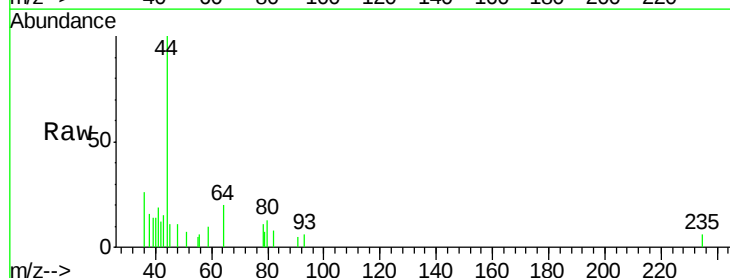
Acq: 04 May 2018 12:26

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

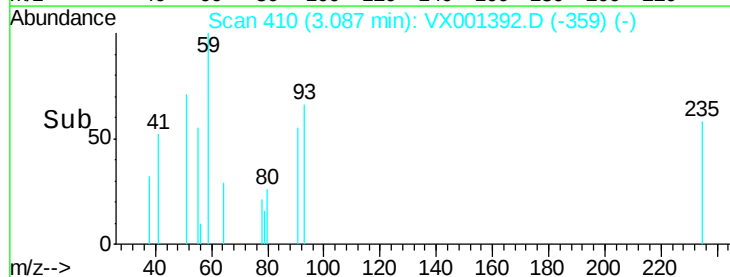
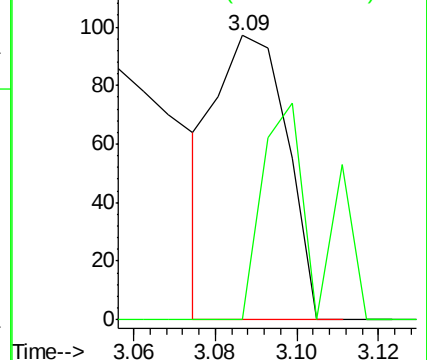
59 100

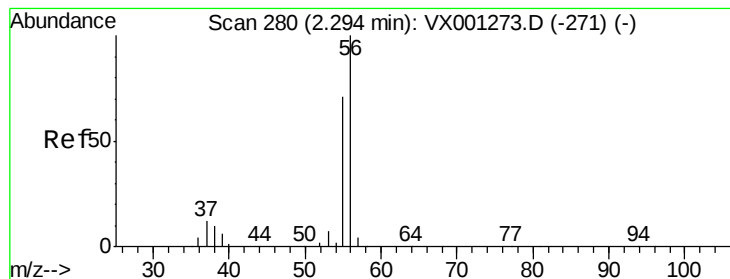
57 59.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.78 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

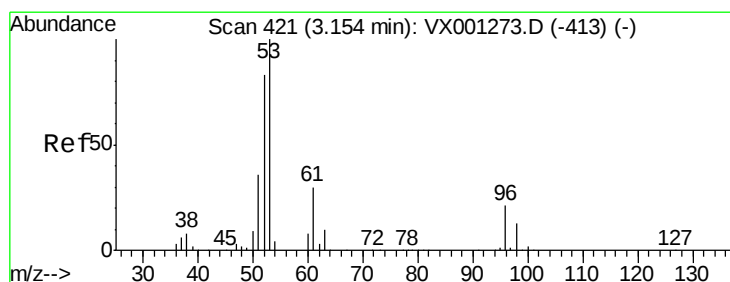
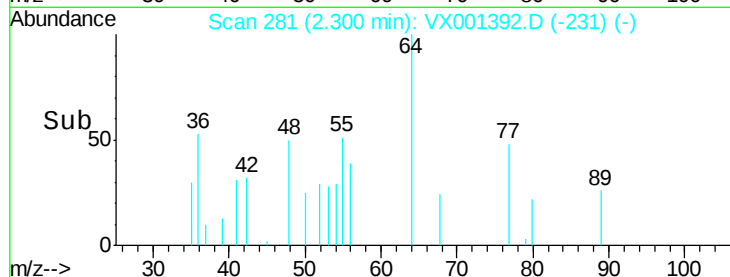
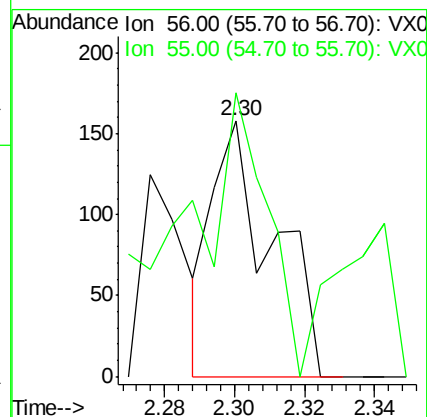
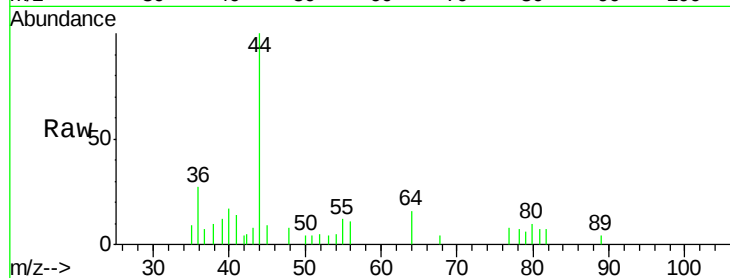
VX0504MBL01

Tgt Ion: 56 Resp: 189

Ion Ratio Lower Upper

56 100

55 127.0 57.2 85.8#



#15

Acrylonitrile

Concen: 0.74 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

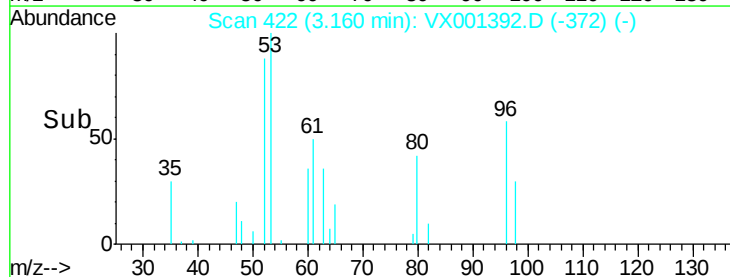
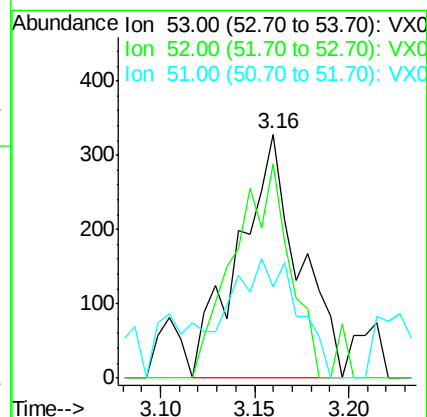
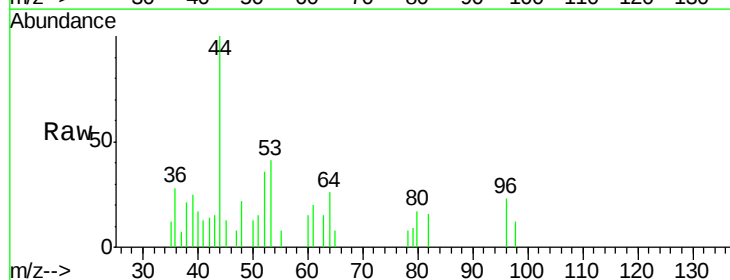
Tgt Ion: 53 Resp: 722

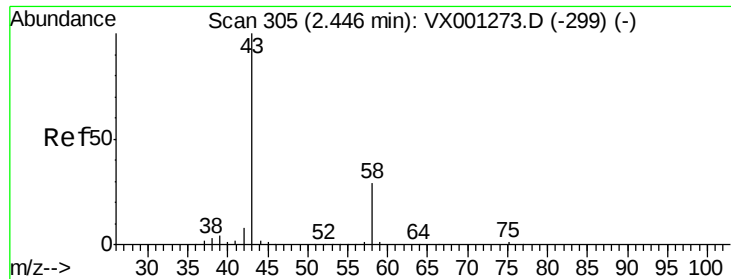
Ion Ratio Lower Upper

53 100

52 81.7 67.0 100.4

51 51.4 29.9 44.9#





#16

Acetone

Concen: 0.57 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

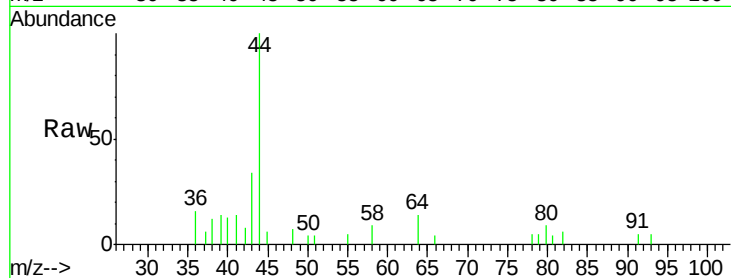
VX0504MBL01

Tgt Ion: 43 Resp: 601

Ion Ratio Lower Upper

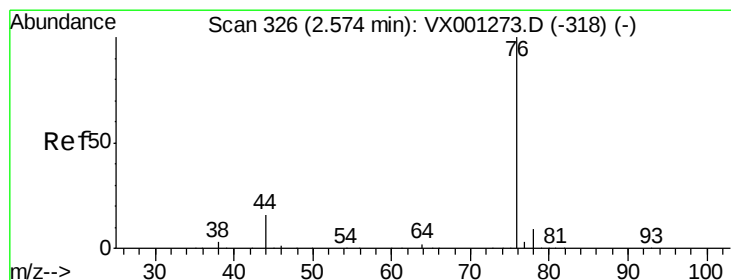
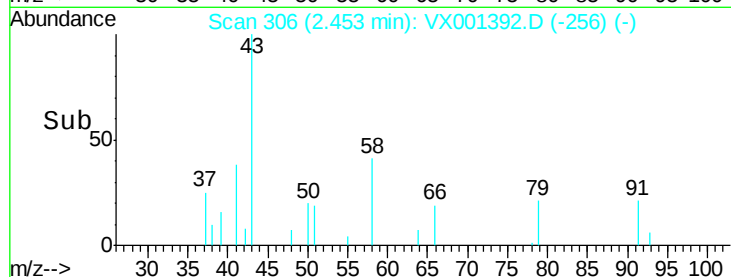
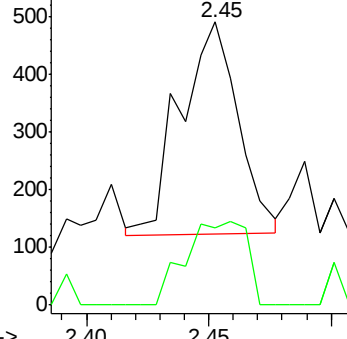
43 100

58 37.4 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001392.D

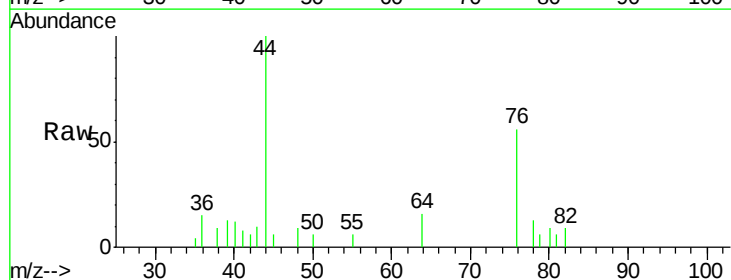
Acq: 04 May 2018 12:26

Tgt Ion: 76 Resp: 1533

Ion Ratio Lower Upper

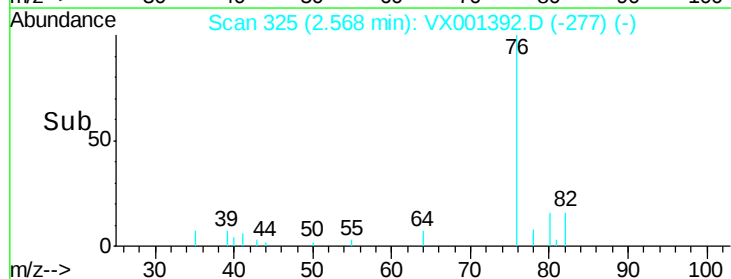
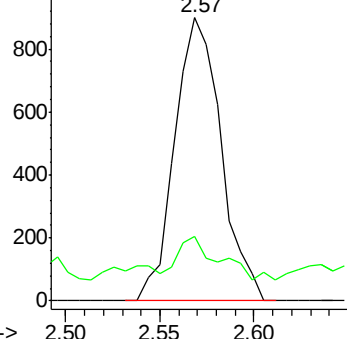
76 100

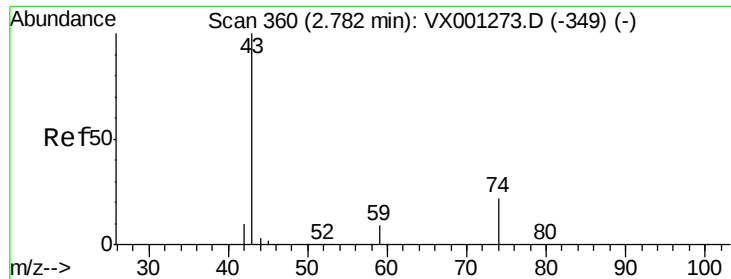
78 15.5 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

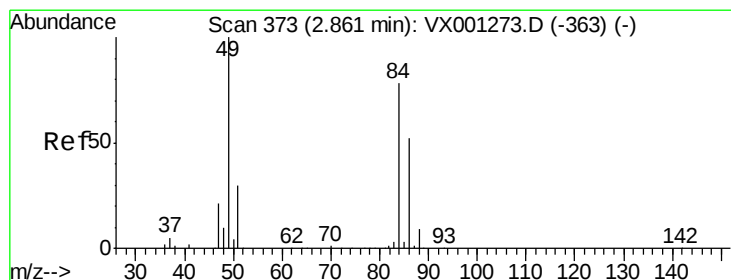
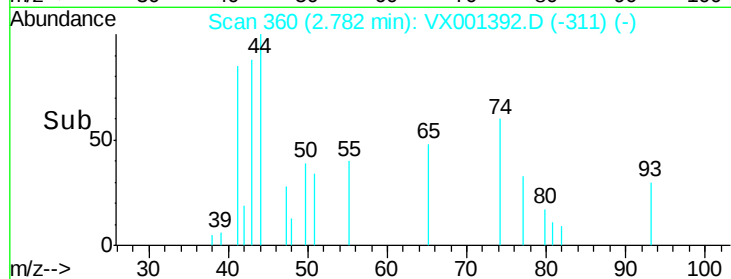
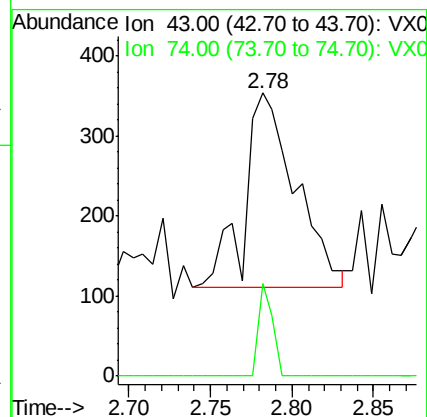
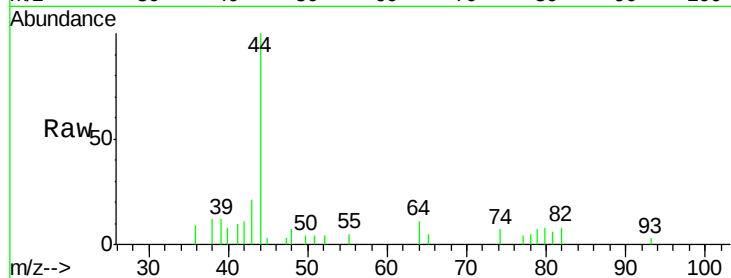
VX0504MBL01

Tgt Ion: 43 Resp: 535

Ion Ratio Lower Upper

43 100

74 13.1 17.8 26.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Tgt Ion: 84 Resp: 303

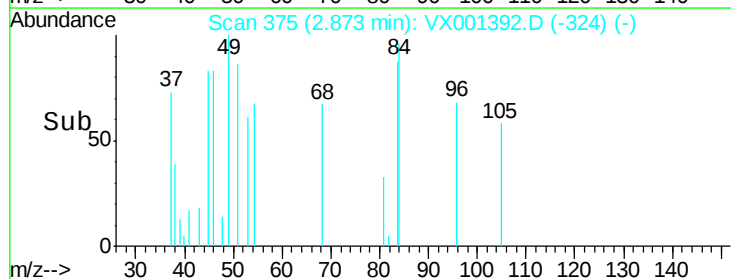
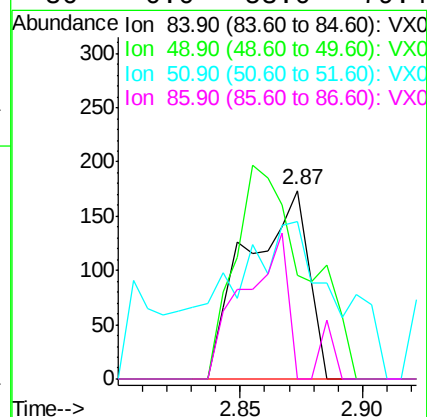
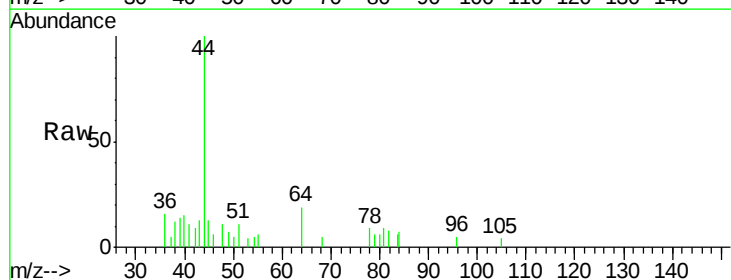
Ion Ratio Lower Upper

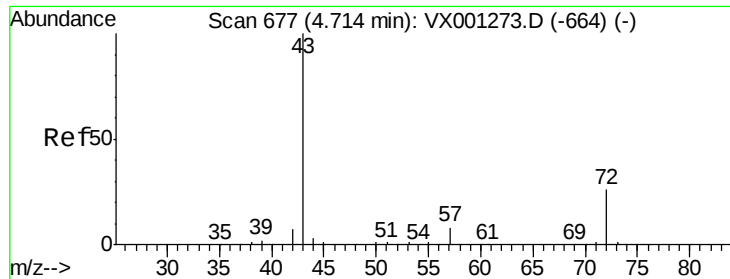
84 100

49 54.6 102.8 154.2#

51 51.1 30.9 46.3#

86 0.0 53.0 79.4#





#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

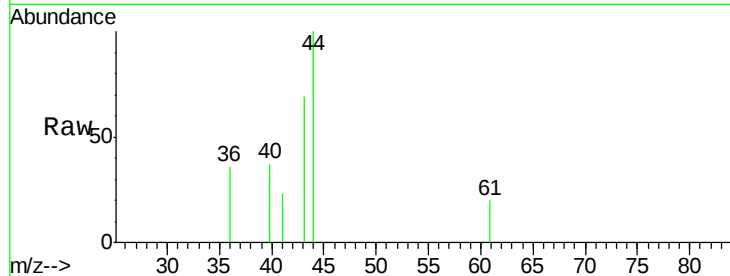
VX0504MBL01

Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

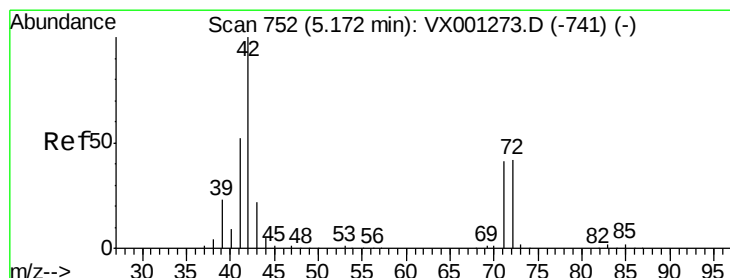
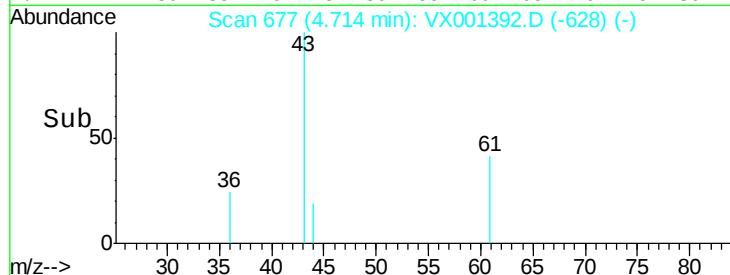
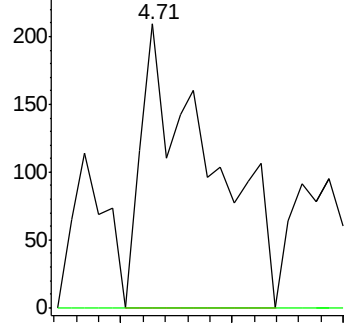
43 100

72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.00 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

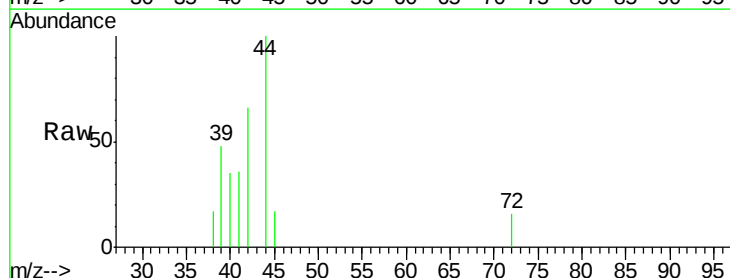
Tgt Ion: 42 Resp: 870

Ion Ratio Lower Upper

42 100

72 14.8 34.6 52.0#

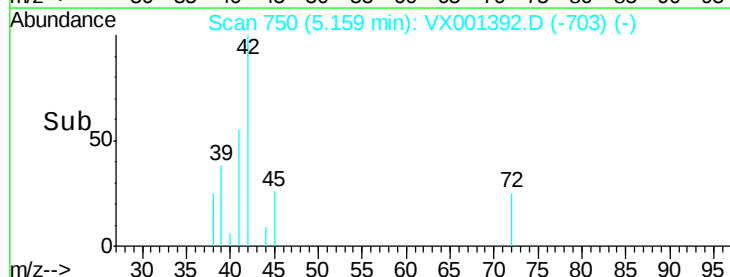
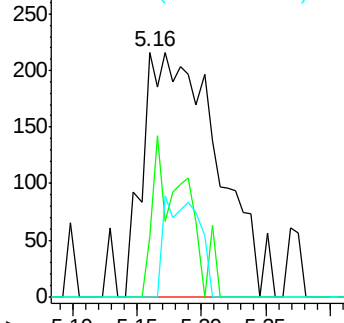
71 18.9 32.7 49.1#

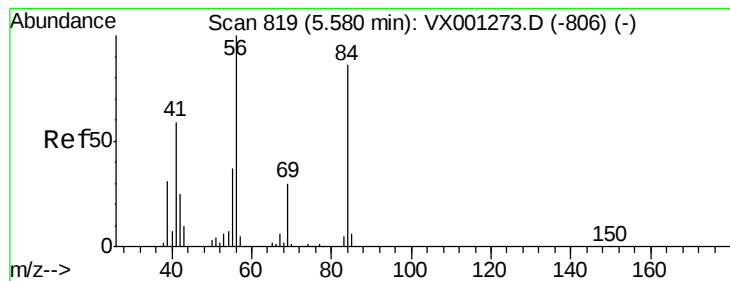


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBL01

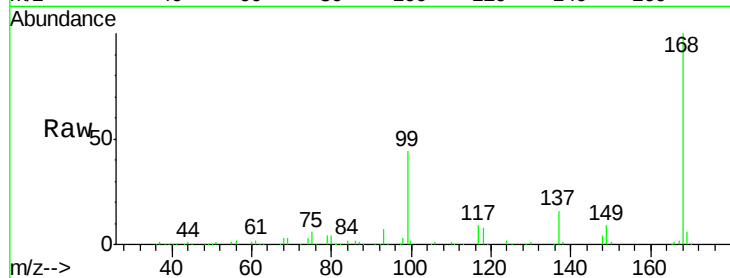
Tgt Ion: 56 Resp: 3213

Ion Ratio Lower Upper

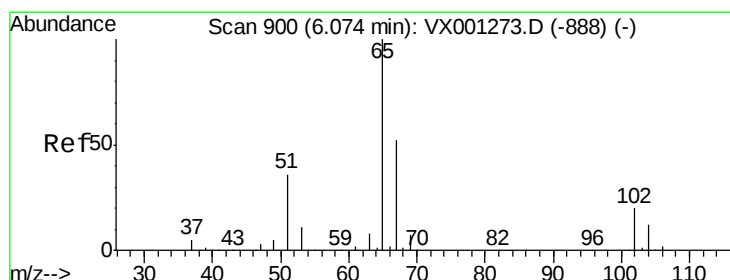
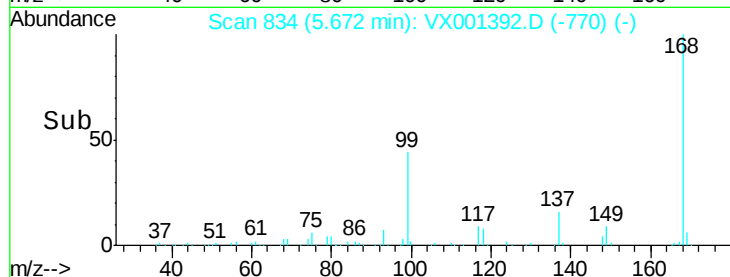
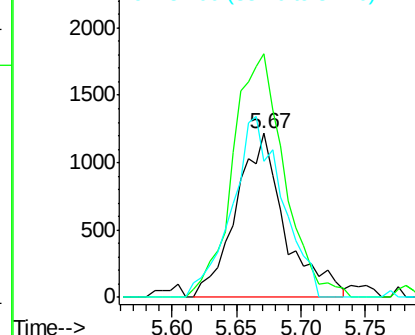
56 100

69 143.8 24.0 36.0#

84 82.7 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: 52.16 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001392.D

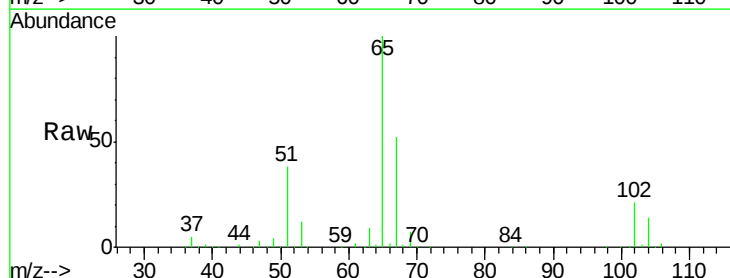
Acq: 04 May 2018 12:26

Tgt Ion: 65 Resp: 128041

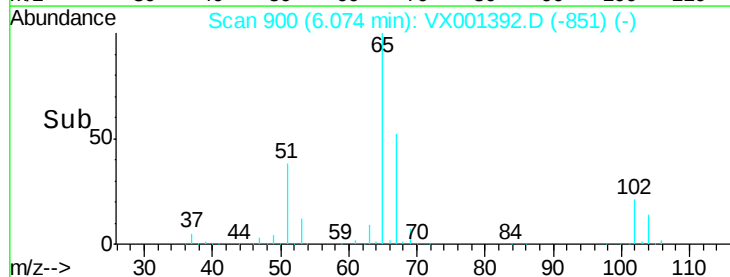
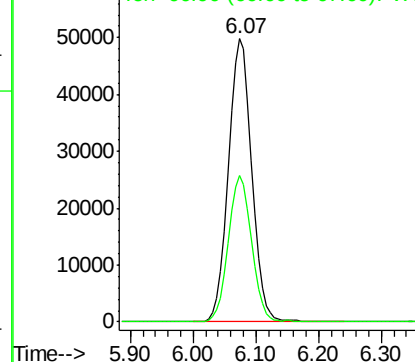
Ion Ratio Lower Upper

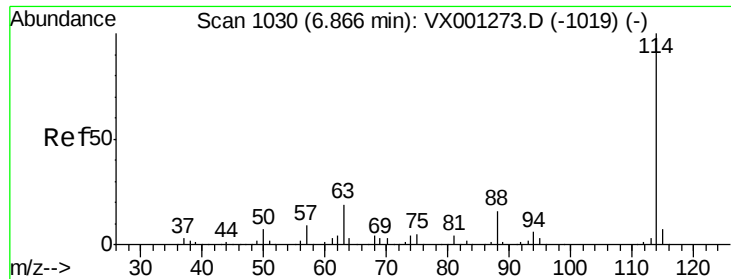
65 100

67 51.4 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# 1030

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBL01

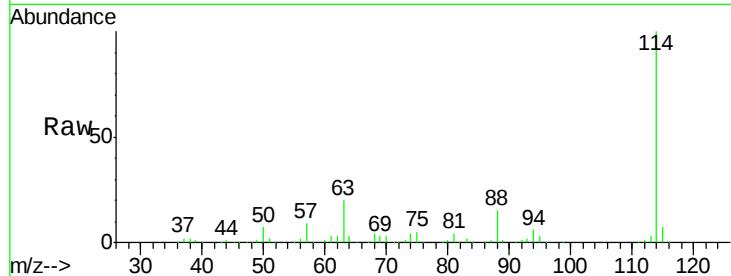
Tgt Ion:114 Resp: 235473

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

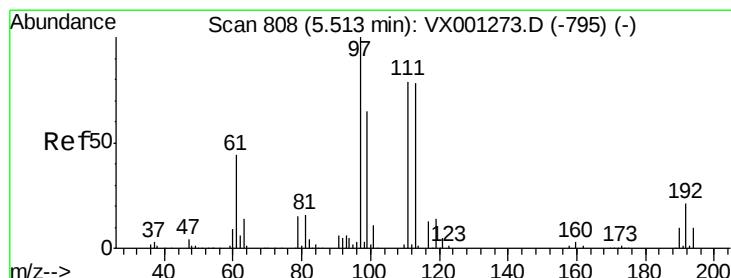
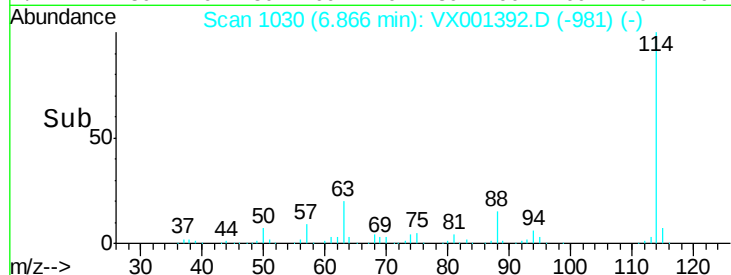
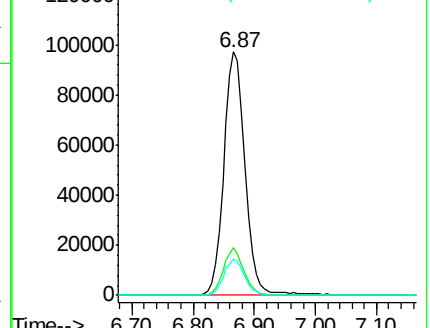
88 15.0 0.0 32.2



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: 51.88 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

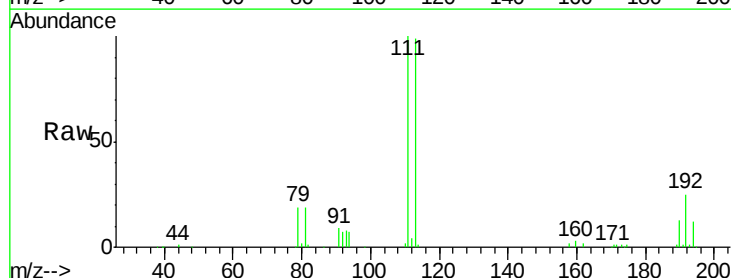
Tgt Ion:113 Resp: 105247

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

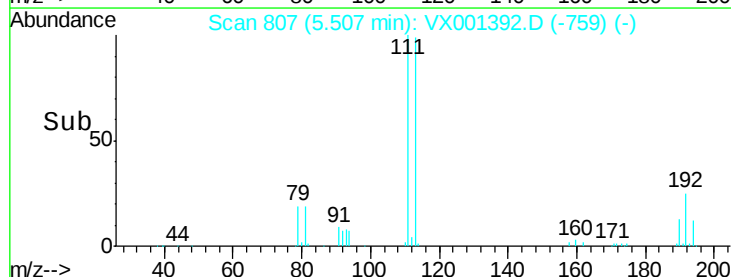
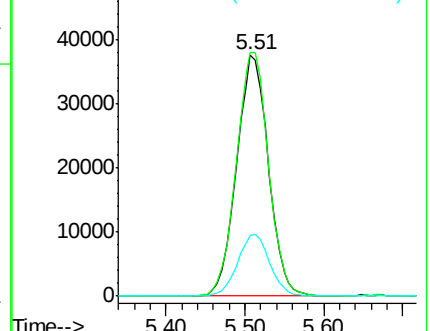
192 25.9 20.7 31.1

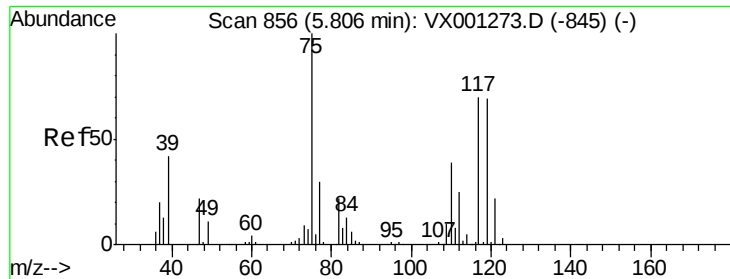


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

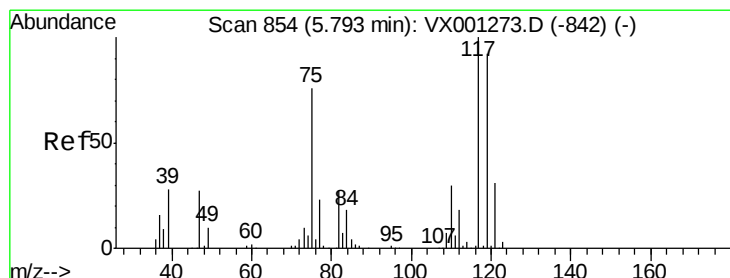
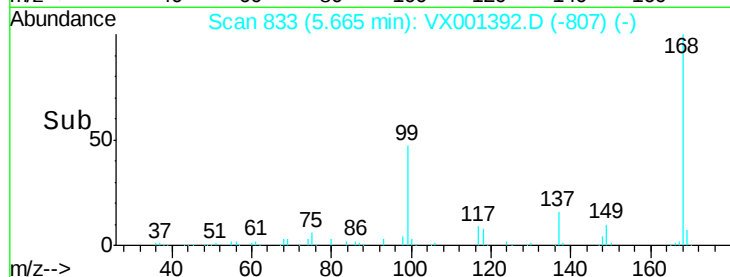
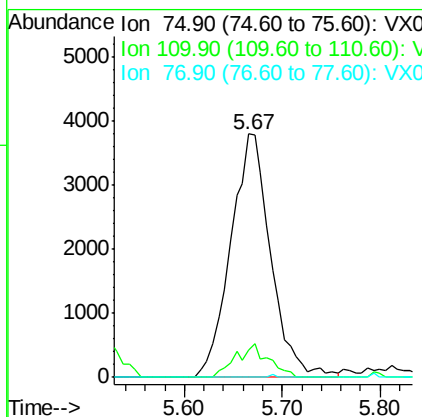
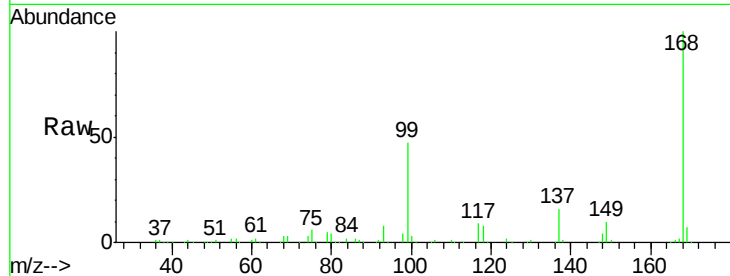




#36
 1,1-Dichloropropene
 Concen: 3.96 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001392.D
 Acq: 04 May 2018 12:26

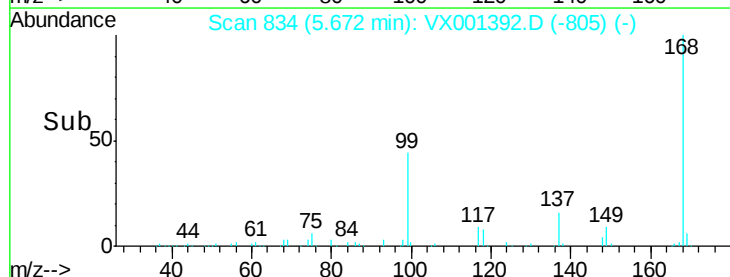
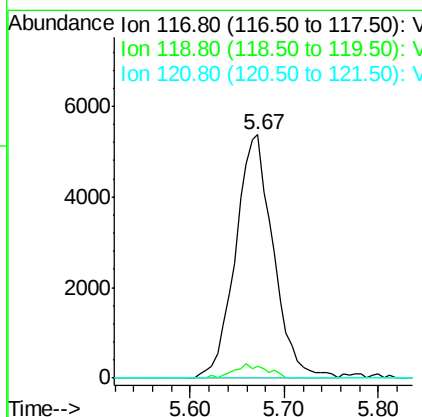
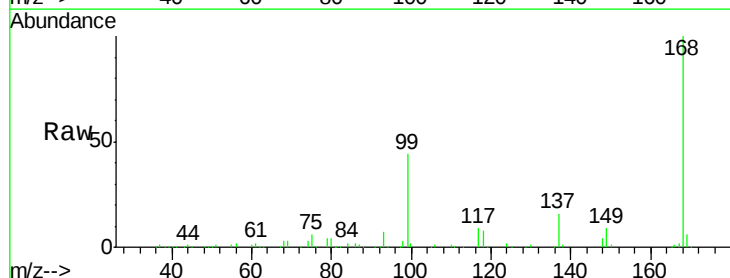
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBL01

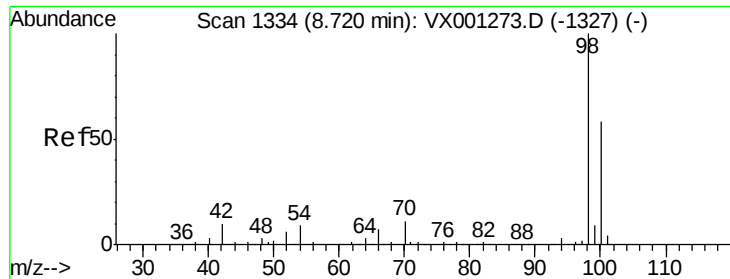
Tgt Ion: 75 Resp: 10769
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.9 56.9#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.27 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001392.D
 Acq: 04 May 2018 12:26

Tgt Ion: 117 Resp: 15004
 Ion Ratio Lower Upper
 117 100
 119 4.8 73.4 110.2#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 53.64 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

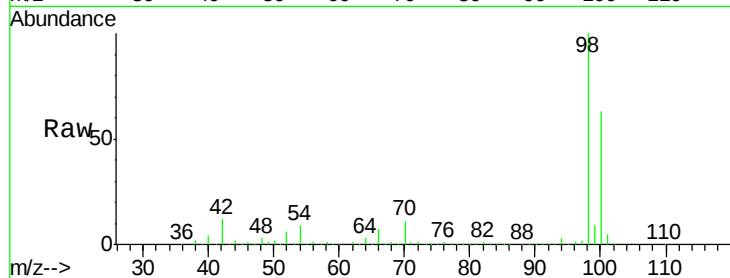
VX0504MBL01

Tgt Ion: 98 Resp: 388789

Ion Ratio Lower Upper

98 100

100 62.9 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

250000

200000

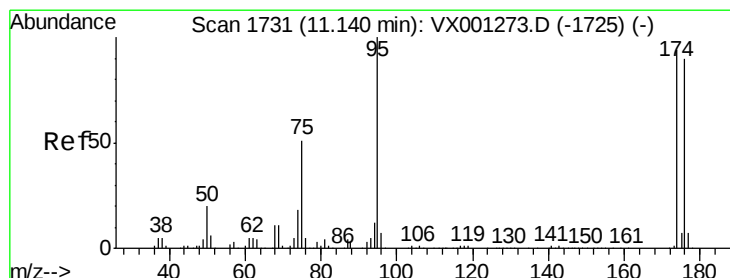
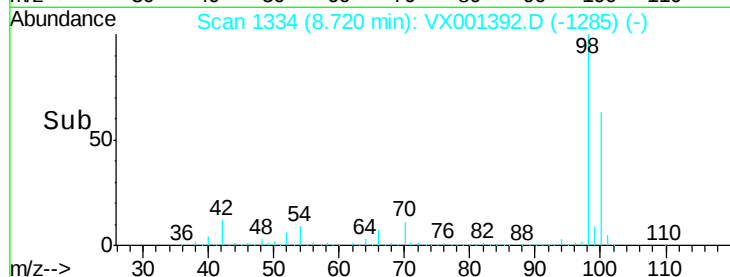
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

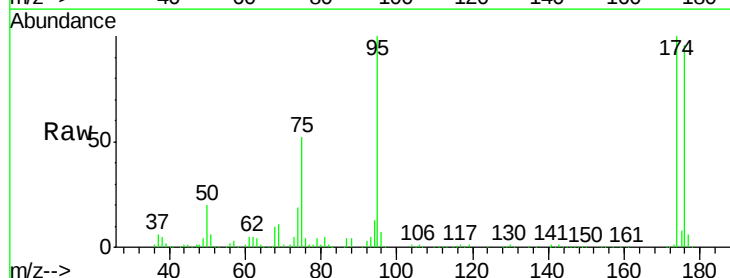
Tgt Ion: 95 Resp: 121544

Ion Ratio Lower Upper

95 100

174 106.4 0.0 201.8

176 103.2 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

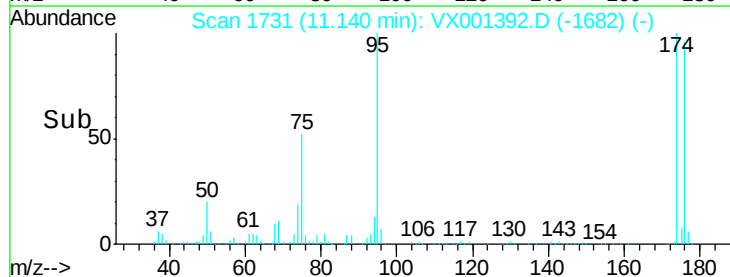
11.14

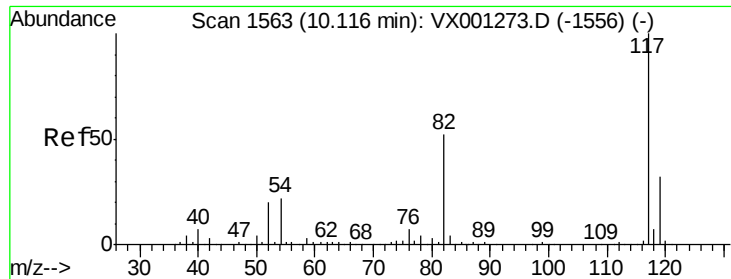
100000

50000

0

Time-->

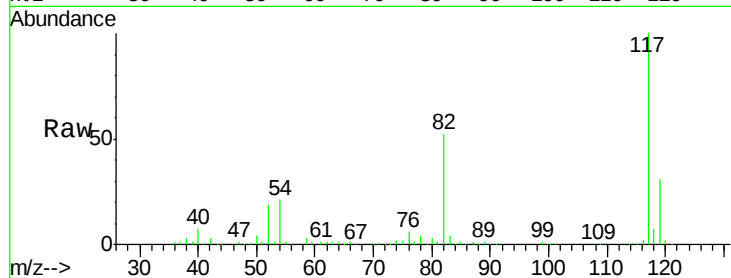




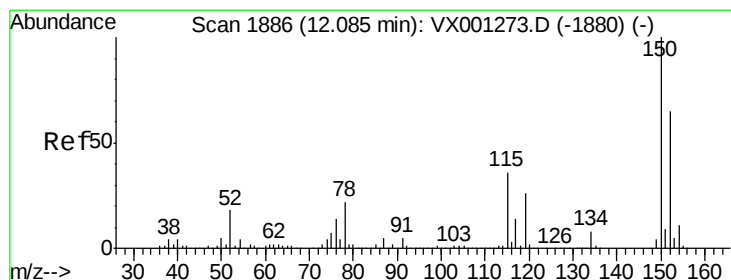
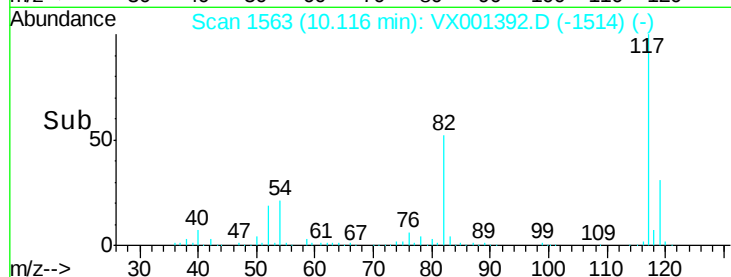
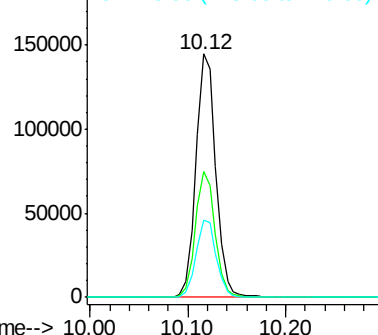
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001392.D
Acq: 04 May 2018 12:26

Instrument :
MSVOA_X
ClientSampled :
VX0504MBL01

Tgt Ion:117 Resp: 203891
Ion Ratio Lower Upper
117 100
82 51.7 41.4 62.0
119 31.5 25.5 38.3

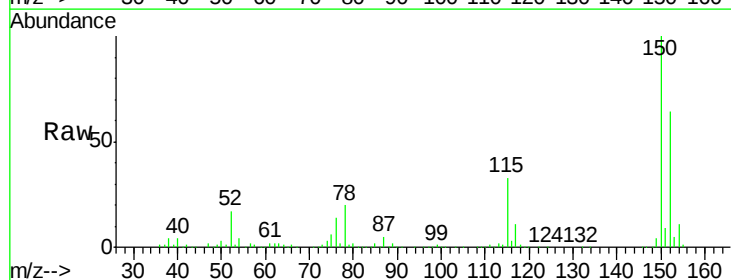


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

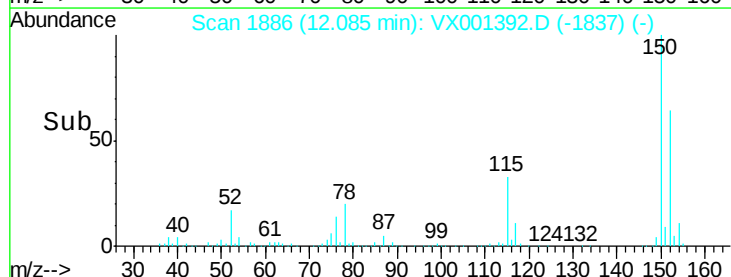
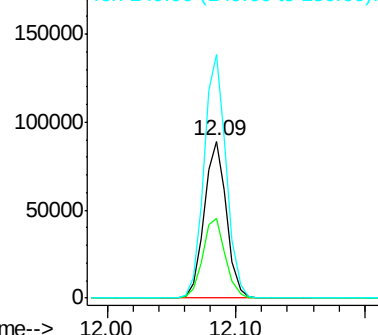


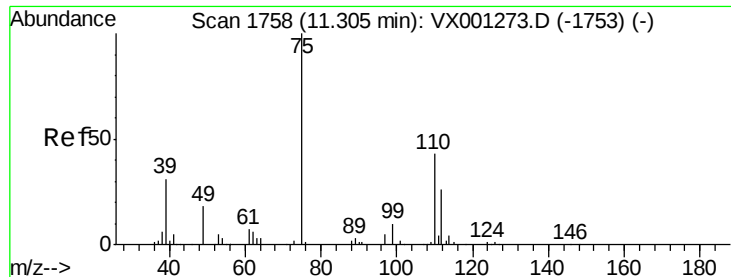
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001392.D
Acq: 04 May 2018 12:26

Tgt Ion:152 Resp: 107463
Ion Ratio Lower Upper
152 100
115 51.6 38.6 115.7
150 155.6 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: 31.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

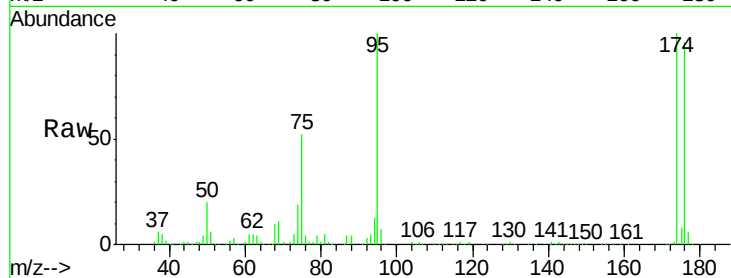
VX0504MBL01

Tgt Ion: 75 Resp: 62014

Ion Ratio Lower Upper

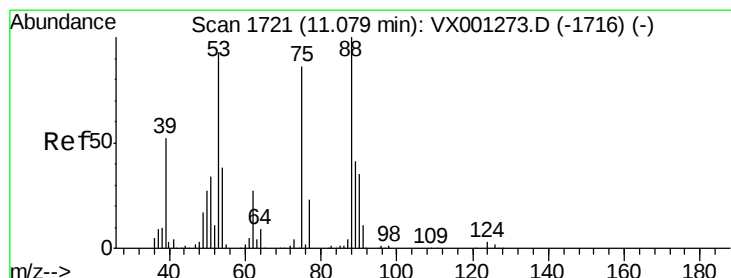
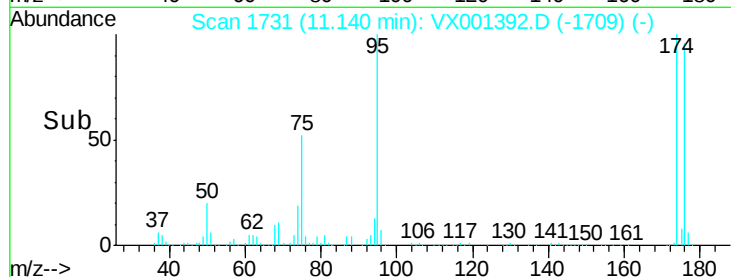
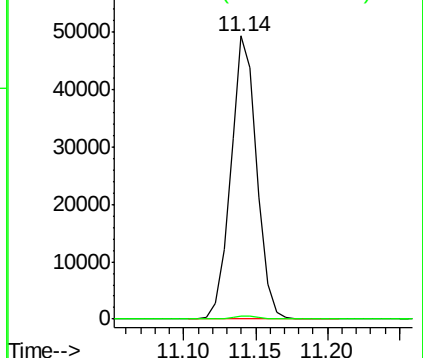
75 100

77 1.2 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: 97.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

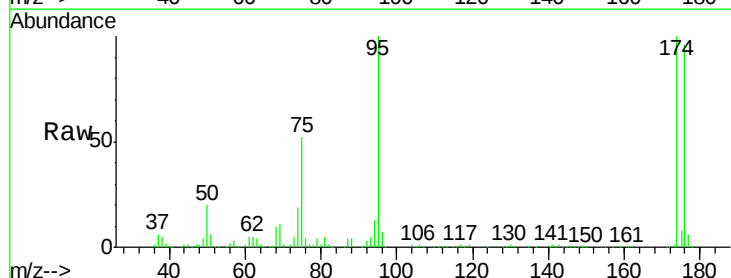
Tgt Ion: 75 Resp: 62014

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

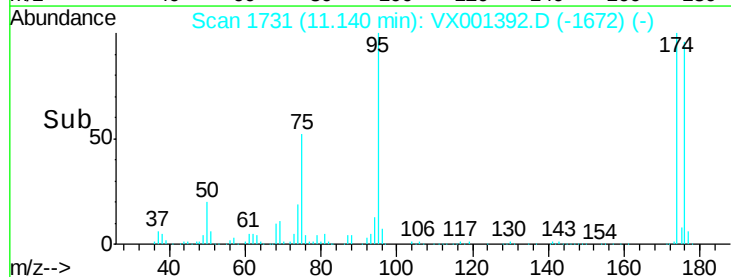
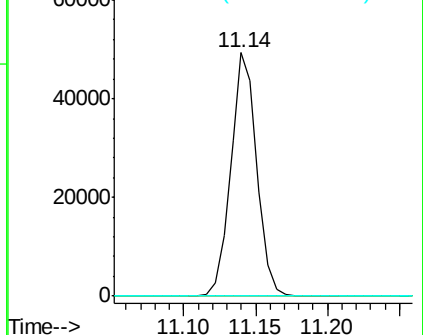
89 0.0 38.9 58.3#

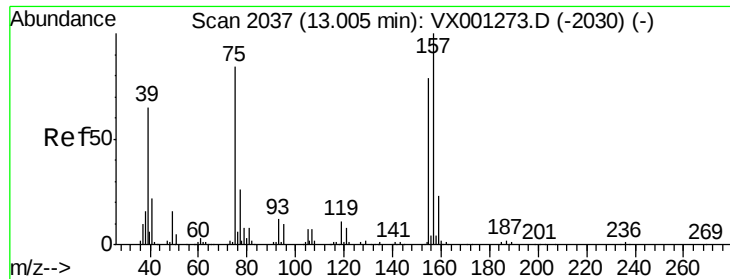


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.25 ug/l

RT: 12.81 min Scan# 2005

Delta R.T. -0.19 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBL01

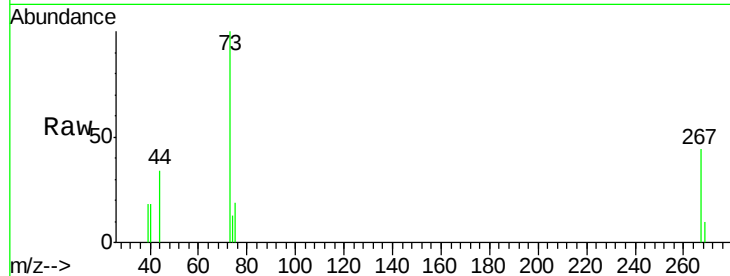
Tgt Ion: 75 Resp: 108

Ion Ratio Lower Upper

75 100

155 0.0 49.9 149.7#

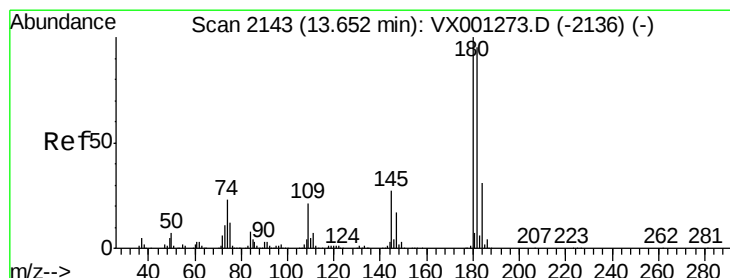
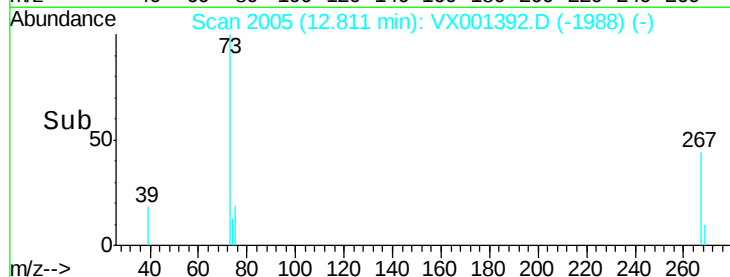
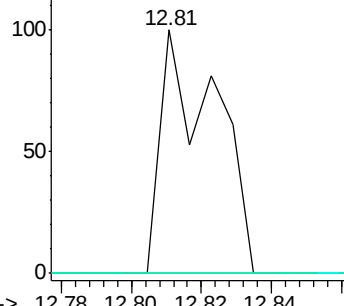
157 0.0 63.7 191.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.24 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001392.D

Acq: 04 May 2018 12:26

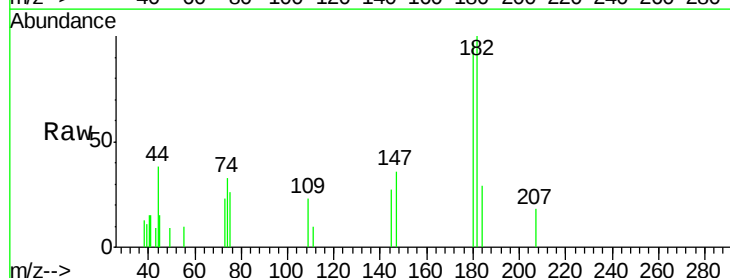
Tgt Ion: 180 Resp: 745

Ion Ratio Lower Upper

180 100

182 85.6 47.3 141.9

145 19.7 13.5 40.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

