

Data File : VX001277.D

Acq On : 01 May 2018 14:14

Operator : JC/MD

Sample : VX0501WBL01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBL01

Quant Time: May 02 01:58:46 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	195284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	264611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	233575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	135645	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	117667	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	
35) Dibromofluoromethane	5.51	113	95779	42.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.02%	
50) Toluene-d8	8.72	98	360800	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
62) 4-Bromofluorobenzene	11.14	95	123725	37.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.98%	

Target Compounds

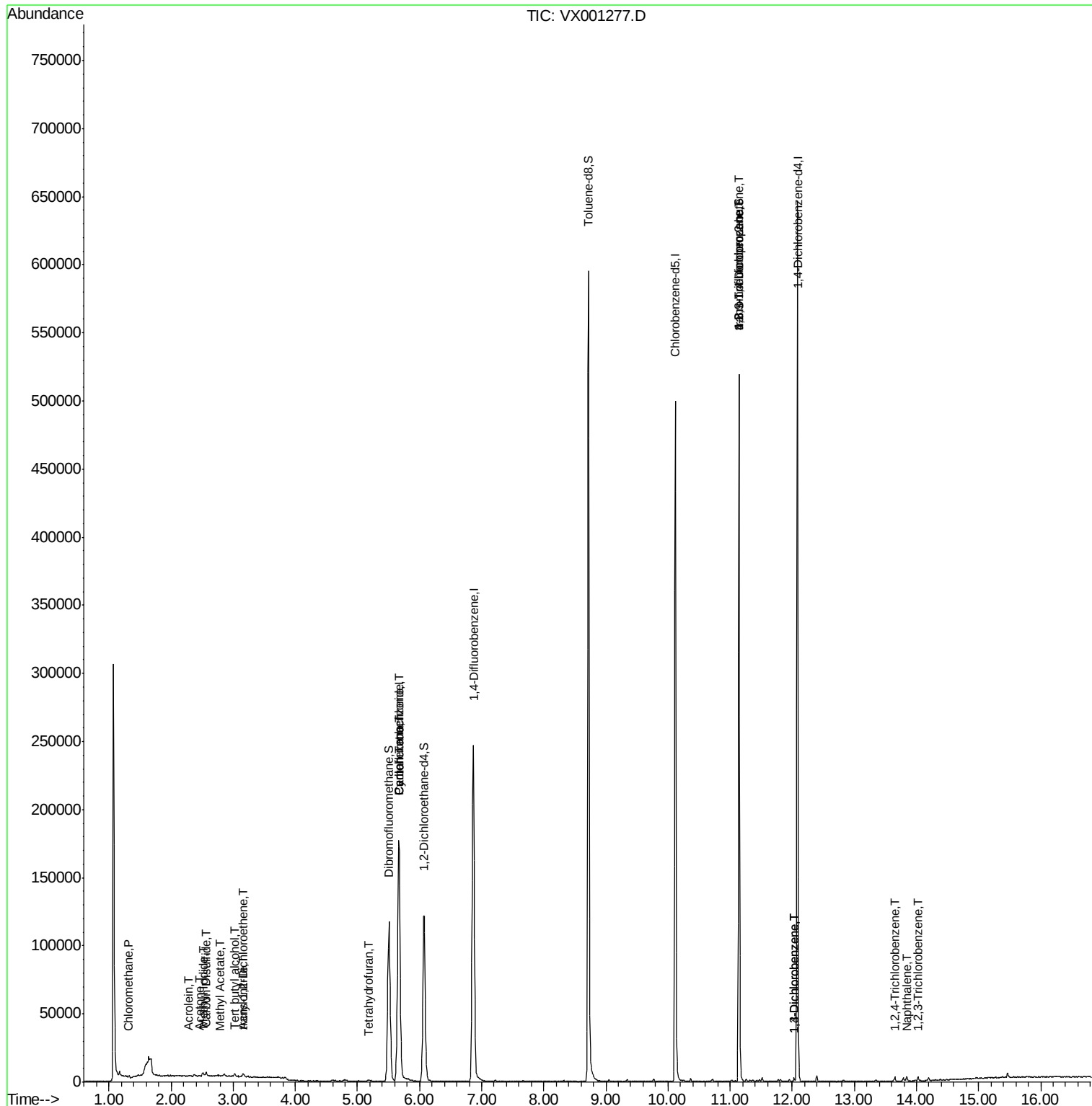
						Qvalue
3) Chloromethane	1.32	50	716	0.34	ug/l	# 74
5) Bromomethane	1.64	94	2142	Below	Cal	# 72
10) Methyl Iodide	2.51	142	3139	5.54	ug/l	# 83
11) Tert butyl alcohol	3.03	59	1256	2.70	ug/l	# 84
13) Acrolein	2.29	56	484	1.81	ug/l	# 57
15) Acrylonitrile	3.15	53	1128	1.05	ug/l	# 86
16) Acetone	2.45	43	493	0.43	ug/l	99
17) Carbon Disulfide	2.56	76	3172	0.62	ug/l	98
18) Methyl Acetate	2.79	43	820	0.30	ug/l	# 74
20) Methylene Chloride	2.86	84	690	Below	Cal	# 75
21) trans-1,2-Dichloroethene	3.15	96	580	0.27	ug/l	# 71
29) Tetrahydrofuran	5.18	42	775	0.81	ug/l	# 76
31) Cyclohexane	5.66	56	3834	1.15	ug/l	# 16
38) Carbon Tetrachloride	5.66	117	16382	5.12	ug/l	# 17
76) 1,2,3-Trichloropropane	11.14	75	64588	25.75	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	64588	80.88	ug/l	# 6
87) 1,3-Dichlorobenzene	12.03	146	1069	0.22	ug/l	91
88) 1,4-Dichlorobenzene	12.03	146	1069	0.21	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	1057	0.27	ug/l	84
95) Naphthalene	13.84	128	2253	0.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	1052	0.27	ug/l	92

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

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Quant Time: May 02 01:58:46 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# 833

Delta R.T. -0.01 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

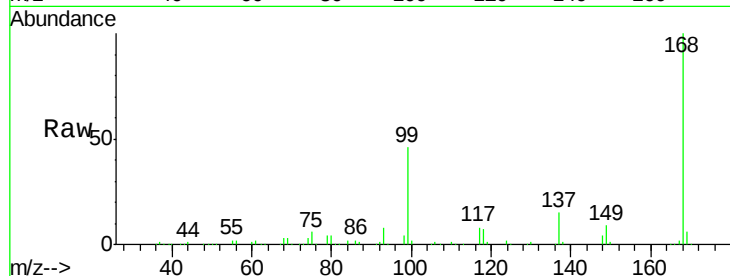
VX0501WBL01

Tgt Ion:168 Resp: 195284

Ion Ratio Lower Upper

168 100

99 46.1 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

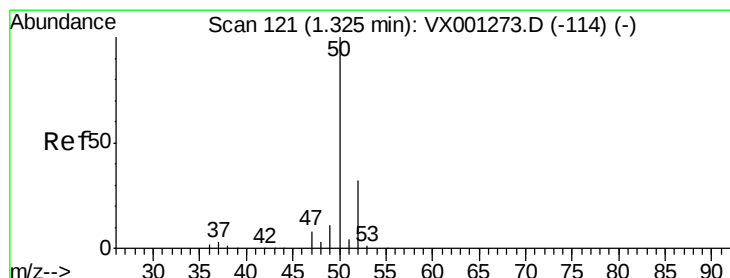
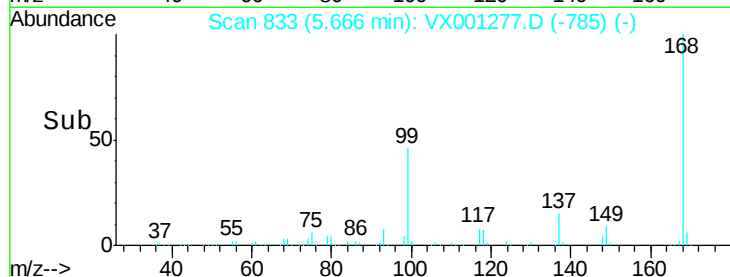
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.34 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001277.D

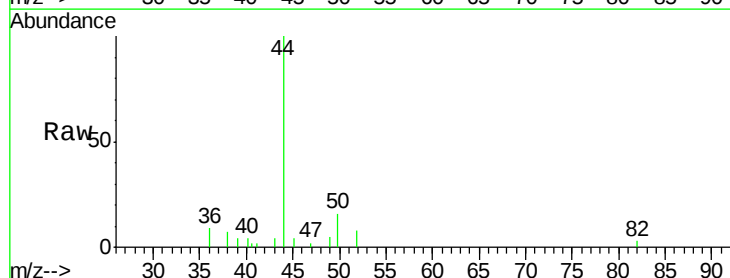
Acq: 01 May 2018 14:14

Tgt Ion: 50 Resp: 716

Ion Ratio Lower Upper

50 100

52 46.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

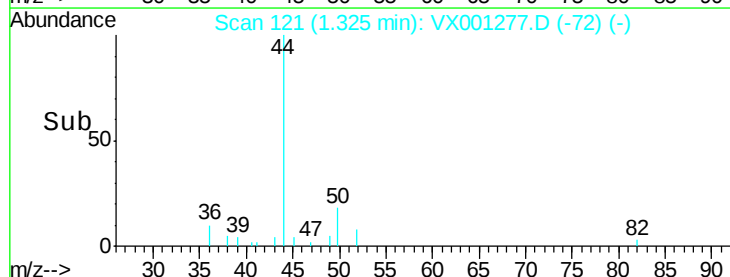
300

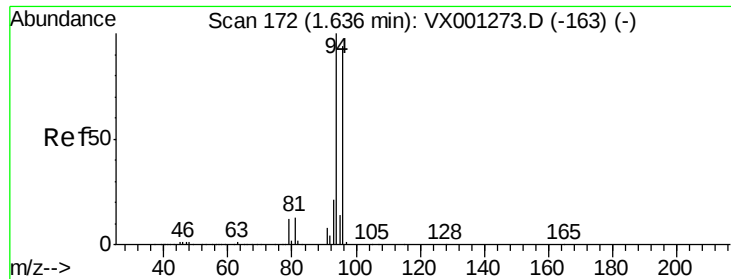
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

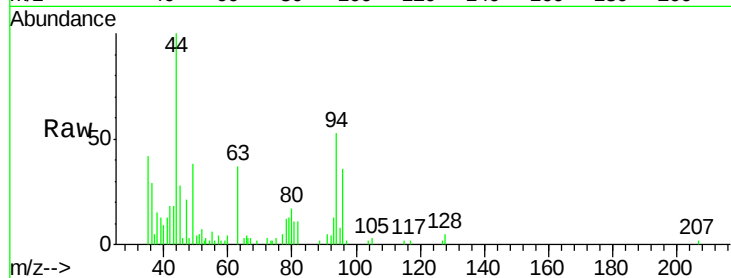
VX0501WBL01

Tgt Ion: 94 Resp: 2142

Ion Ratio Lower Upper

94 100

96 67.2 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

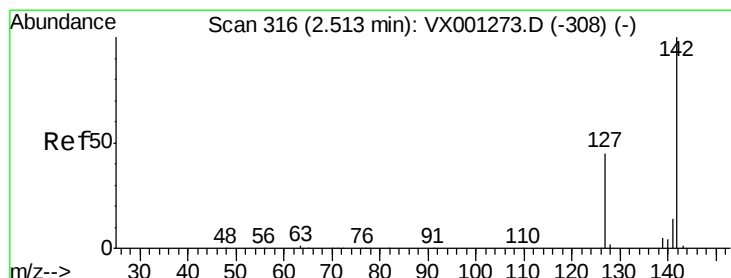
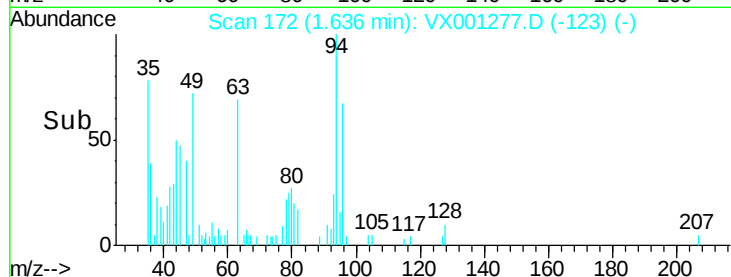
1500

1000

500

0

Time--> 1.55 1.60 1.65 1.70



#10

Methyl Iodide

Concen: 5.54 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

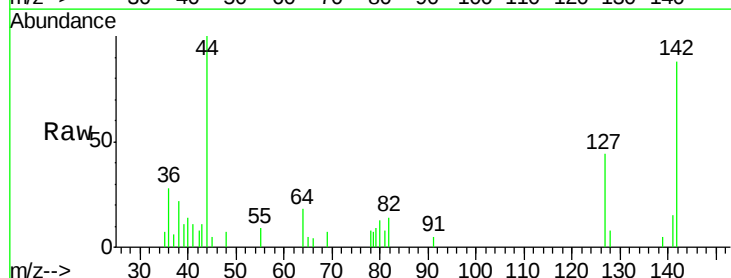
Tgt Ion: 142 Resp: 3139

Ion Ratio Lower Upper

142 100

127 57.4 35.7 53.5#

141 17.4 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

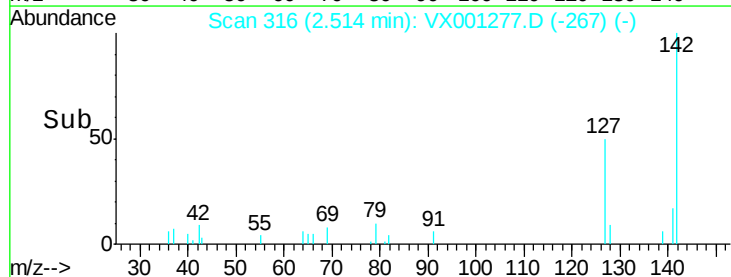
1500

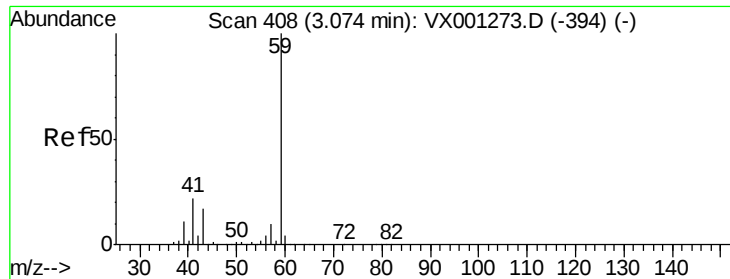
1000

500

0

Time--> 2.45 2.50 2.55 2.60

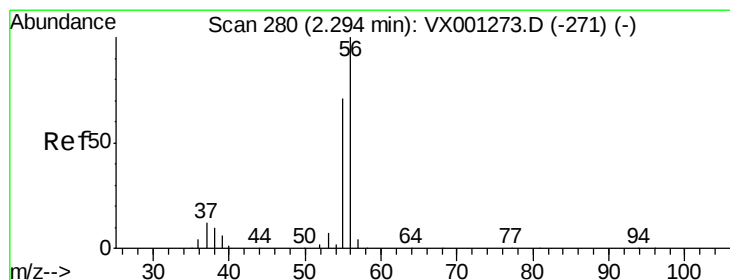
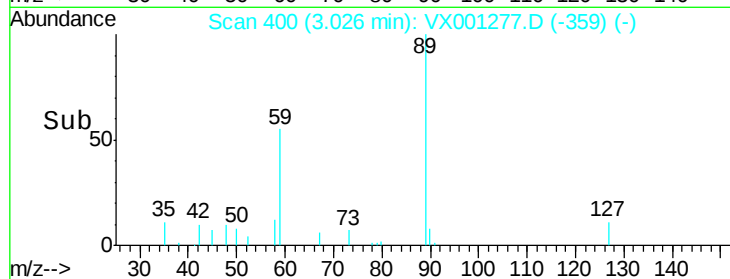
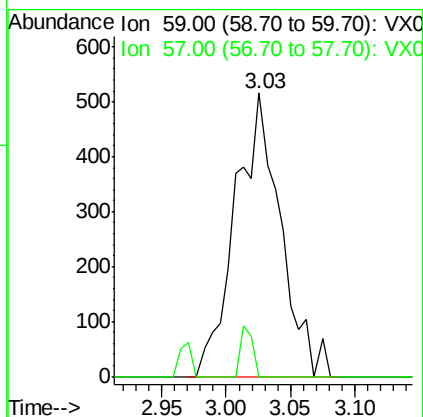
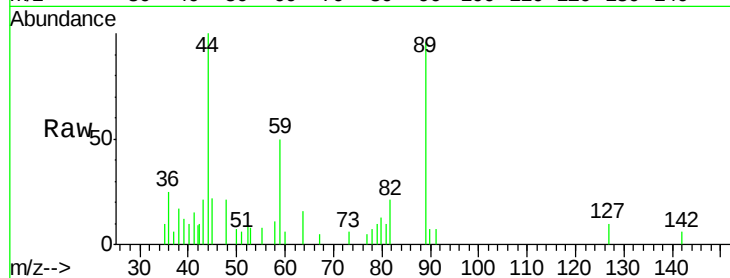




#11
Tert butyl alcohol
Concen: 2.70 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

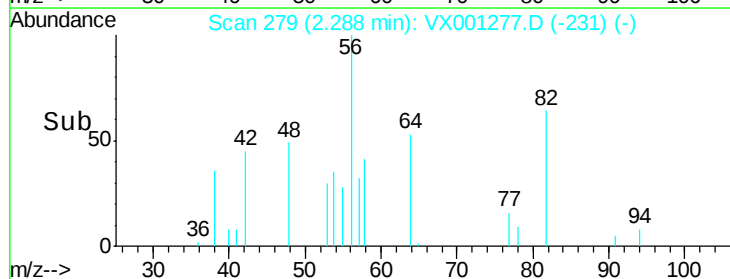
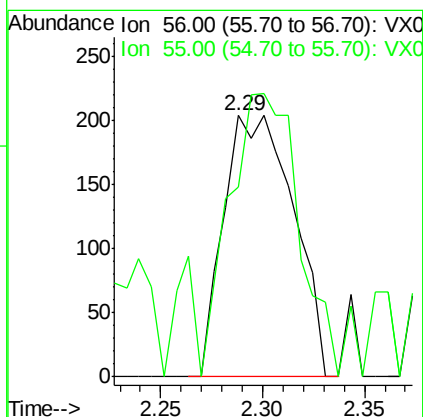
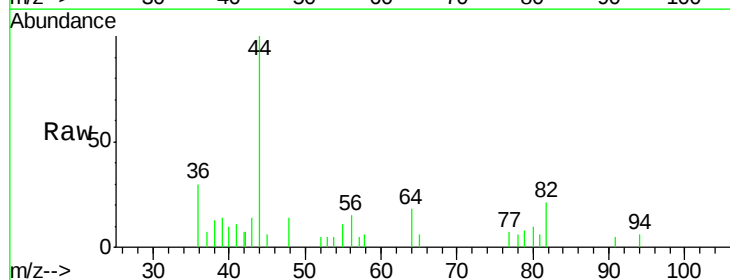
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBL01

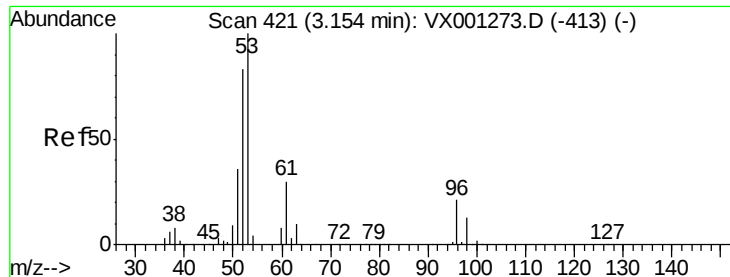
Tgt Ion: 59 Resp: 1256
Ion Ratio Lower Upper
59 100
57 4.8 8.6 12.8#



#13
Acrolein
Concen: 1.81 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

Tgt Ion: 56 Resp: 484
Ion Ratio Lower Upper
56 100
55 107.4 57.2 85.8#





#15

Acrylonitrile

Concen: 1.05 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampled :

VX0501WBL01

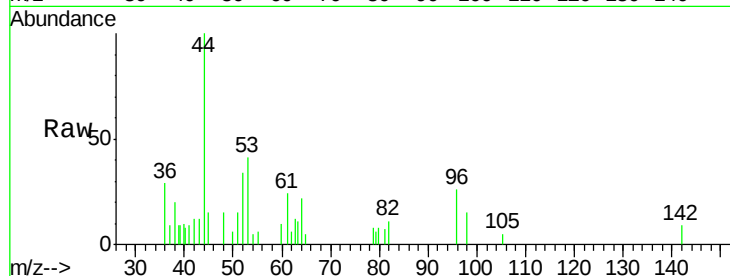
Tgt Ion: 53 Resp: 1128

Ion Ratio Lower Upper

53 100

52 78.1 67.0 100.4

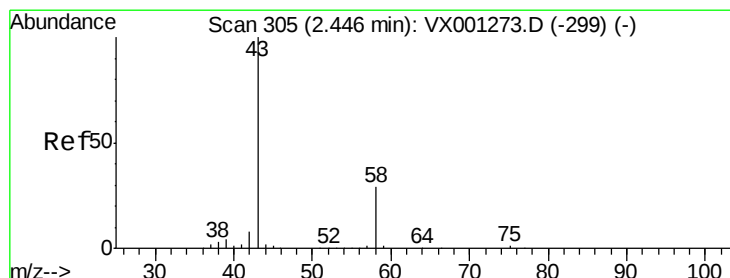
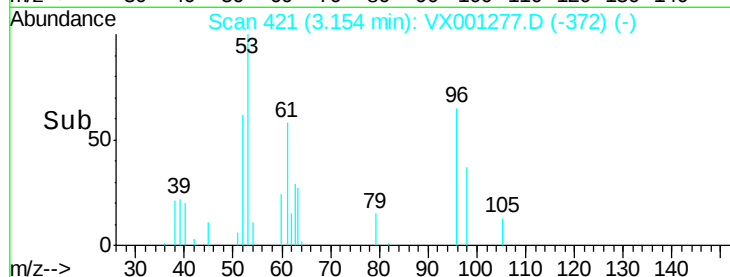
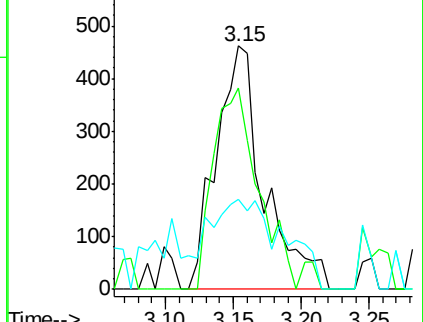
51 55.3 29.9 44.9#



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: 0.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001277.D

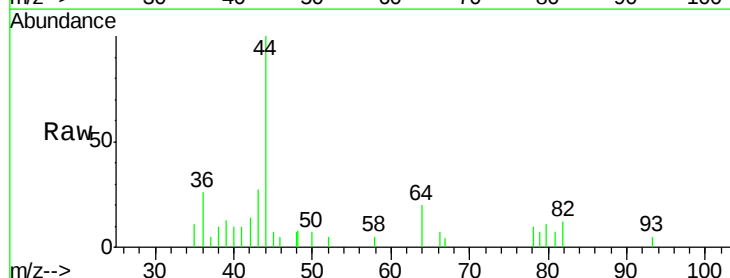
Acq: 01 May 2018 14:14

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

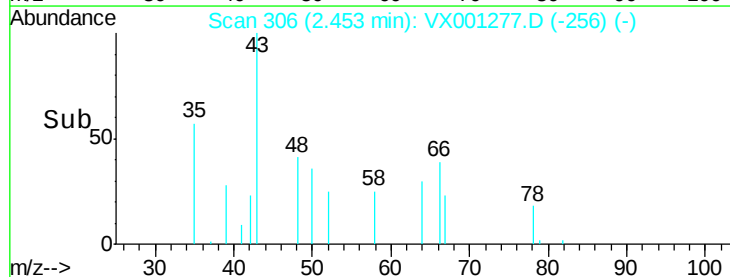
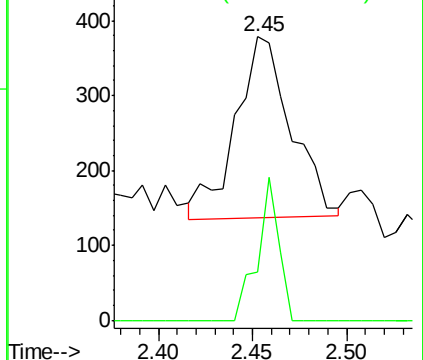
43 100

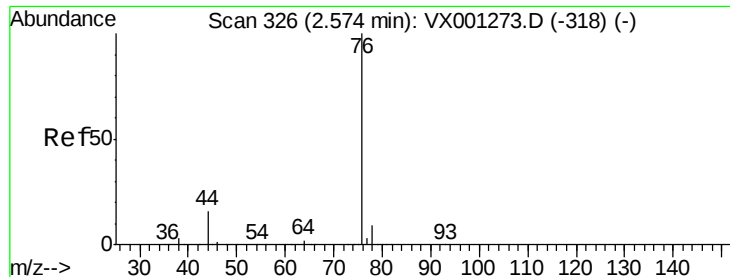
58 28.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

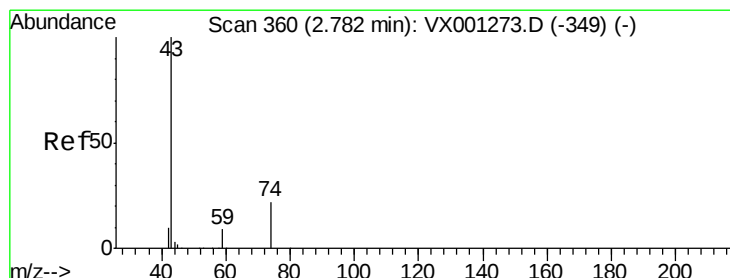
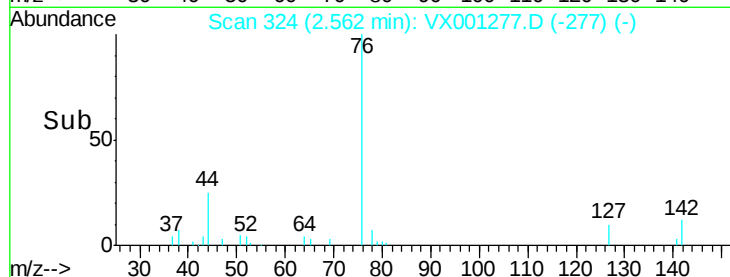
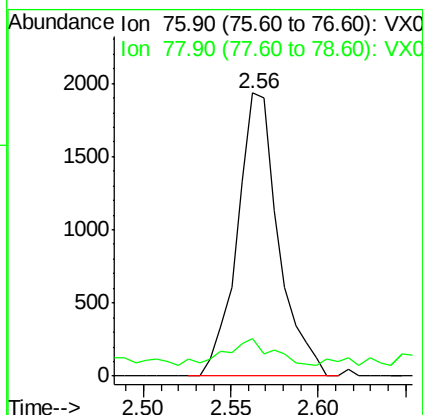
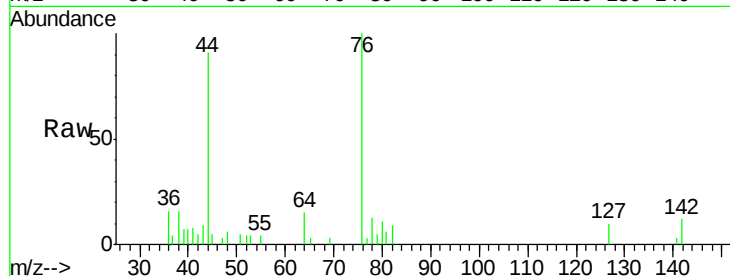




#17
Carbon Disulfide
Concen: 0.62 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

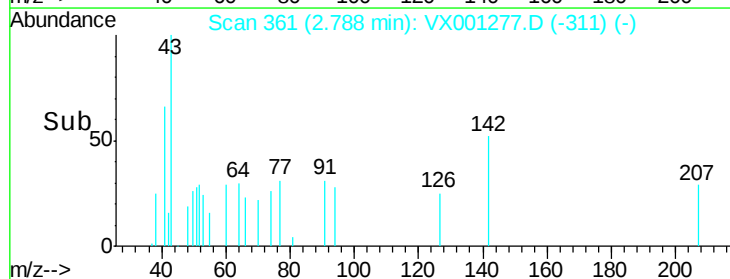
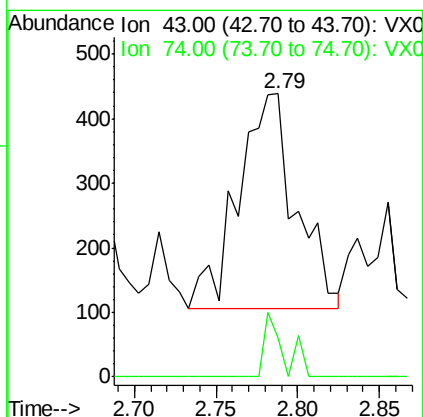
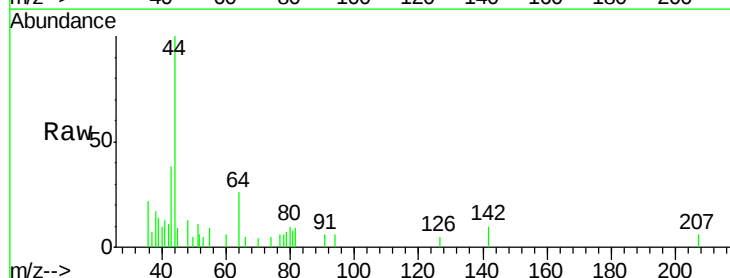
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBL01

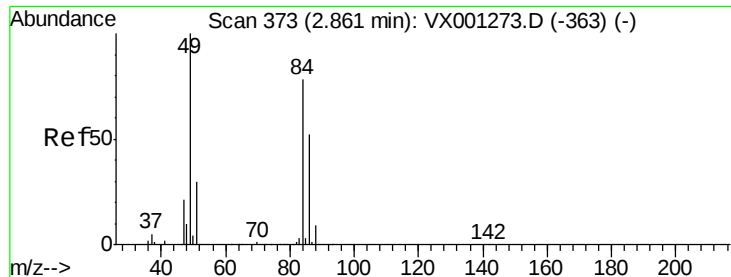
Tgt Ion: 76 Resp: 3172
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
74 10.0 17.8 26.6#

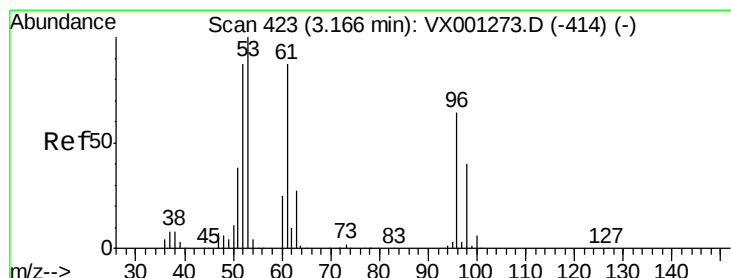
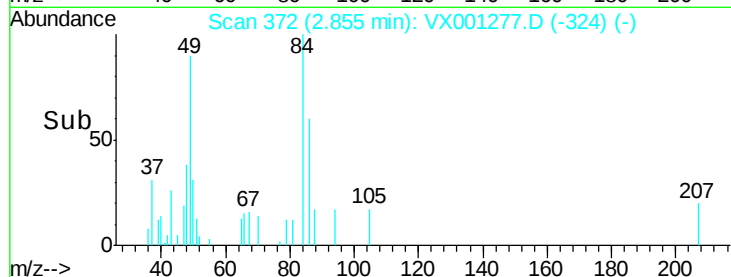
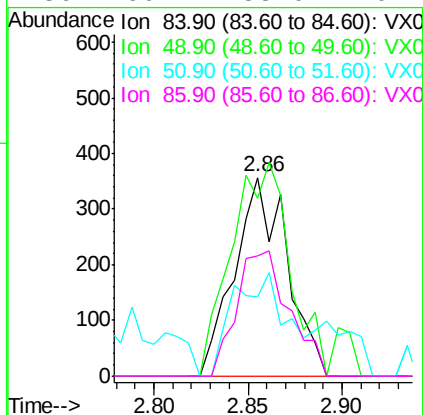
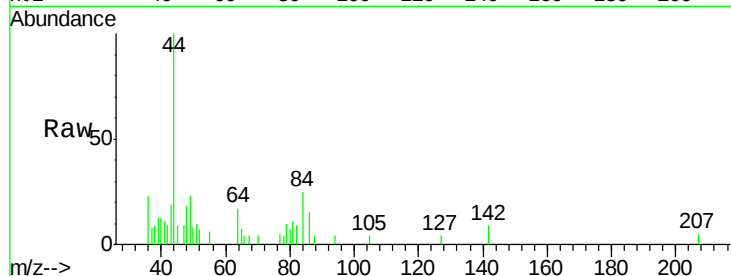




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

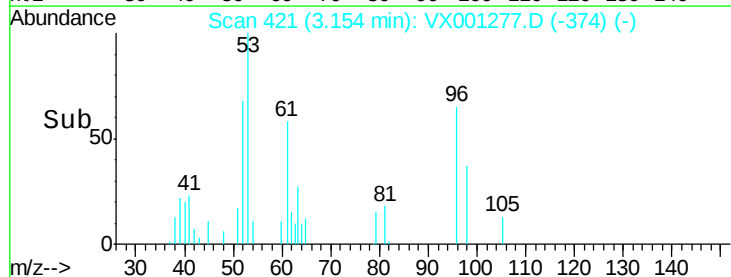
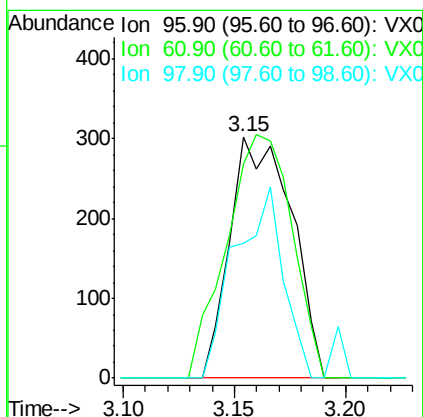
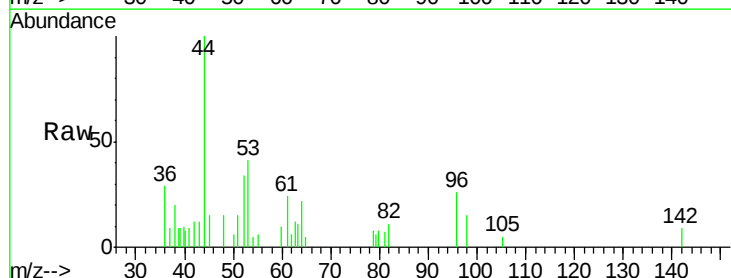
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBL01

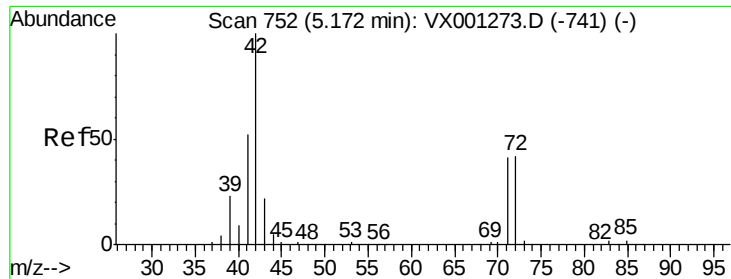
Tgt Ion: 84 Resp: 690
Ion Ratio Lower Upper
84 100
49 89.6 102.8 154.2#
51 23.2 30.9 46.3#
86 60.2 53.0 79.4



#21
trans-1,2-Dichloroethene
Concen: 0.27 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.01 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

Tgt Ion: 96 Resp: 580
Ion Ratio Lower Upper
96 100
61 89.1 108.6 162.8#
98 56.0 49.7 74.5





#29

Tetrahydrofuran

Concen: 0.81 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBL01

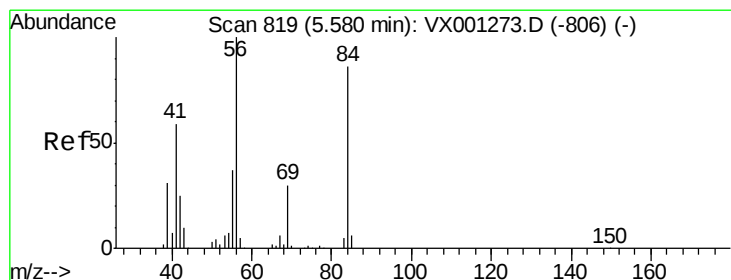
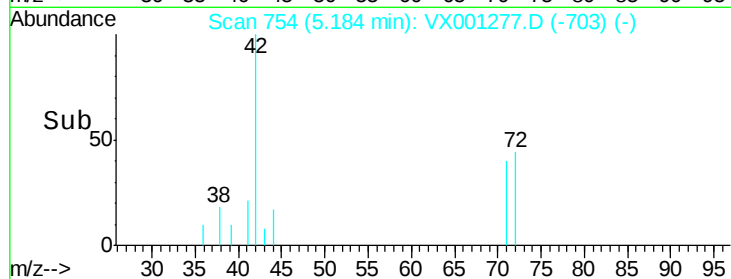
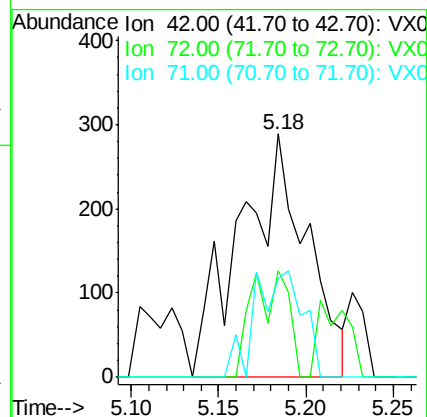
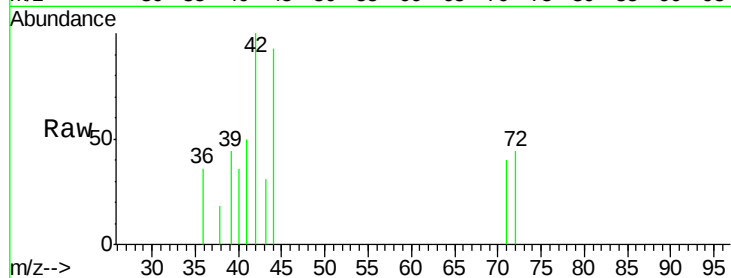
Tgt Ion: 42 Resp: 775

Ion Ratio Lower Upper

42 100

72 23.2 34.6 52.0#

71 30.7 32.7 49.1#



#31

Cyclohexane

Concen: 1.15 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

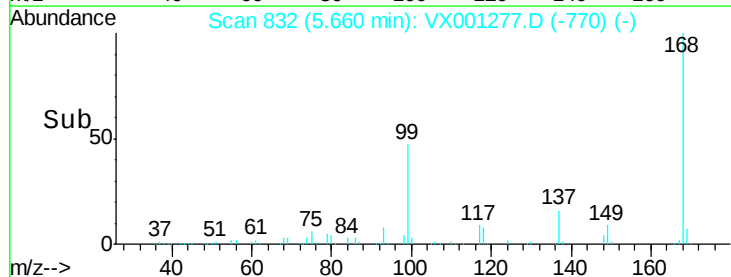
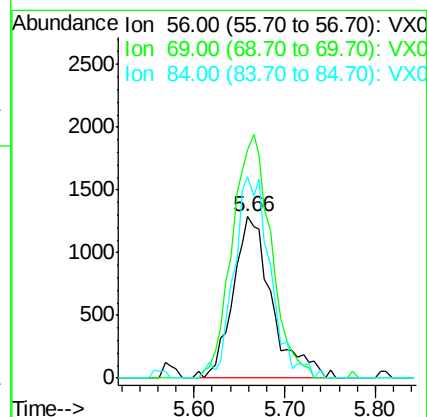
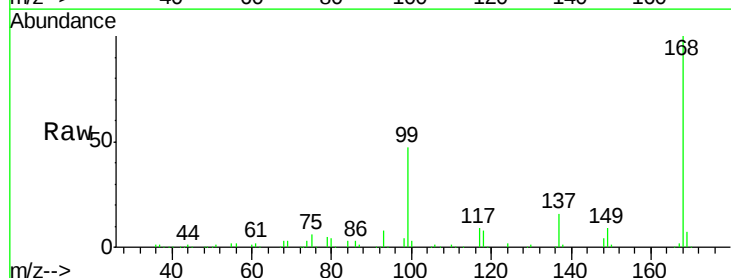
Tgt Ion: 56 Resp: 3834

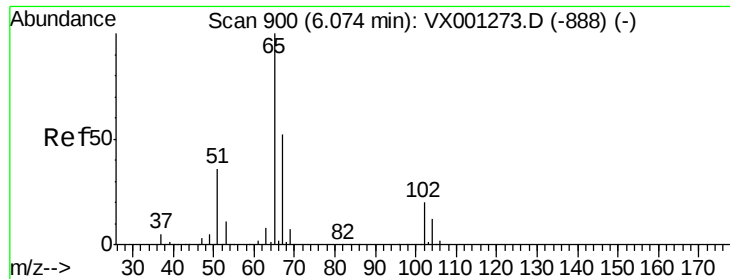
Ion Ratio Lower Upper

56 100

69 141.1 24.0 36.0#

84 124.9 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 43.53 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

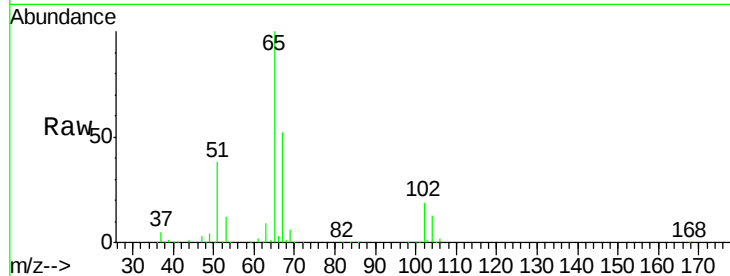
VX0501WBL01

Tgt Ion: 65 Resp: 117667

Ion Ratio Lower Upper

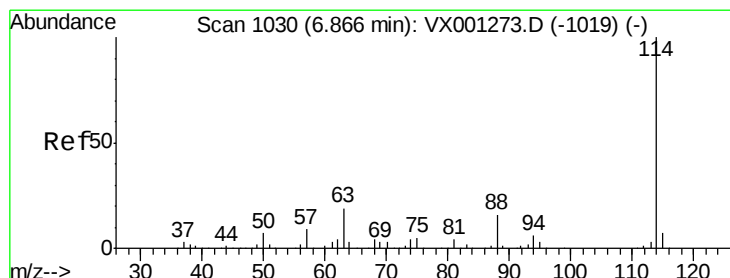
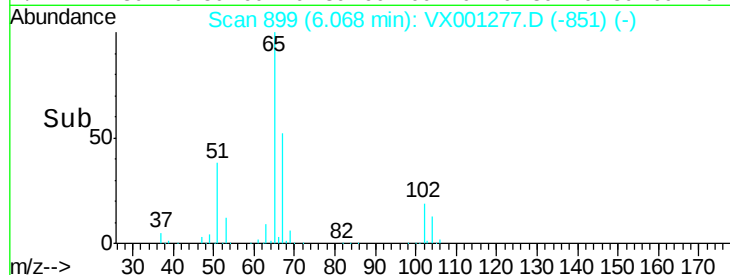
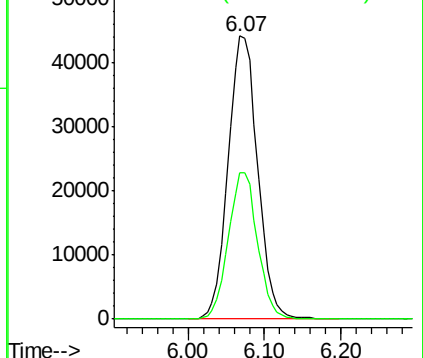
65 100

67 51.2 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: VX001277.D

Acq: 01 May 2018 14:14

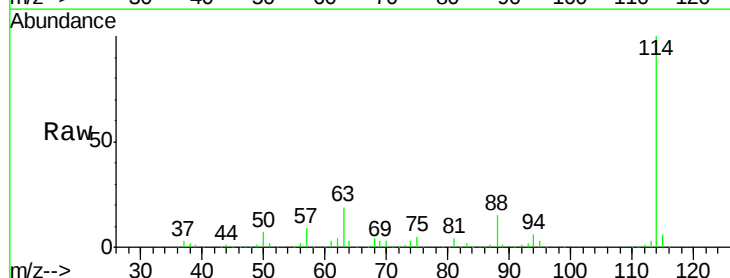
Tgt Ion: 114 Resp: 264611

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.8

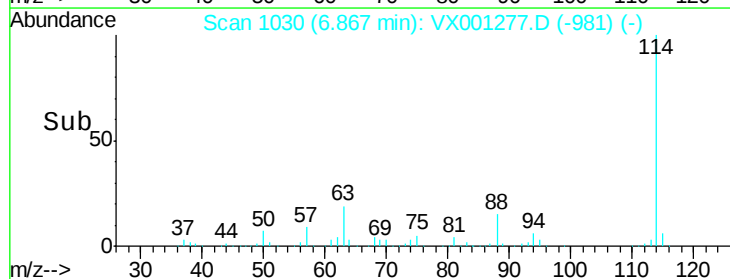
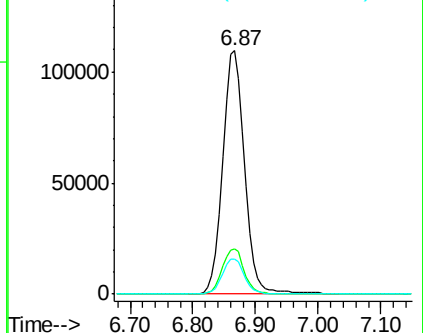
88 14.6 0.0 32.2

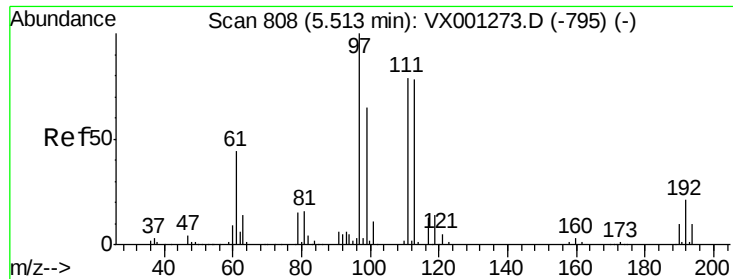


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

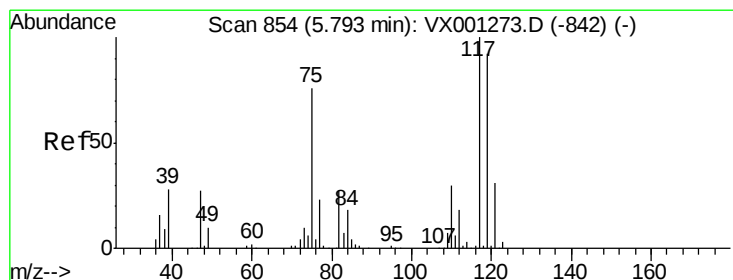
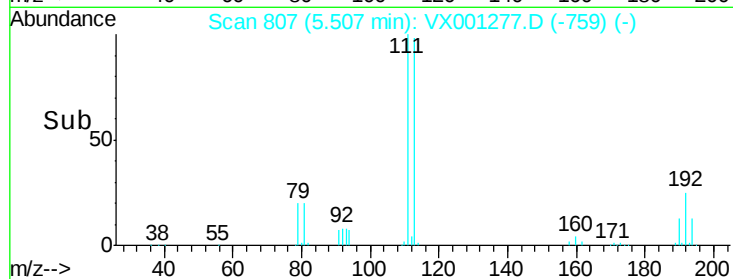
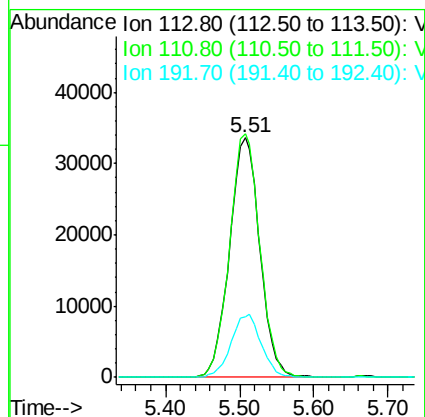
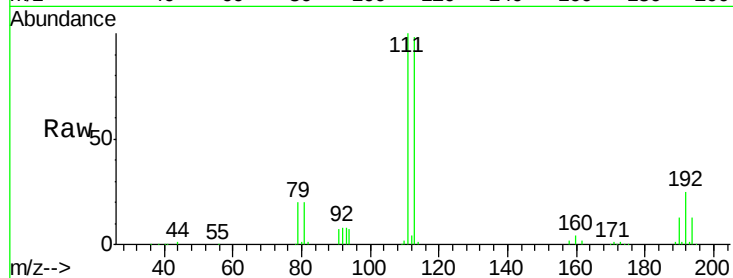




#35
 Dibromofluoromethane
 Concen: 42.01 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001277.D
 Acq: 01 May 2018 14:14

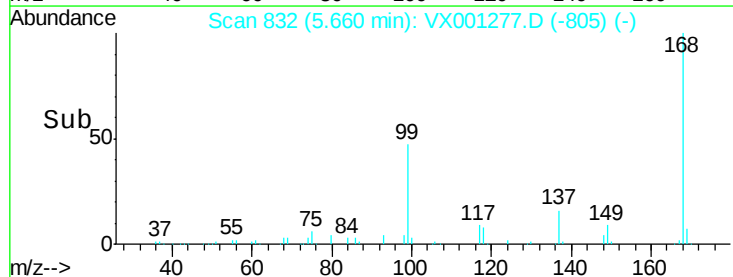
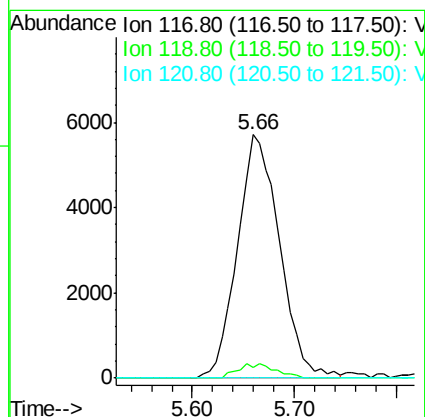
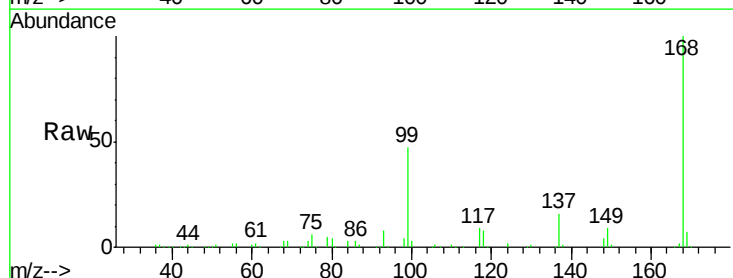
Instrument :
 MSVOA_X
 ClientSampled :
 VX0501WBL01

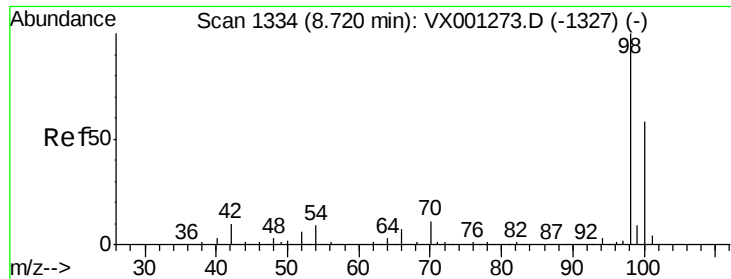
Tgt Ion:113 Resp: 95779
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.2 121.8
 192 25.9 20.7 31.1



#38
 Carbon Tetrachloride
 Concen: 5.12 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.13 min
 Lab File: VX001277.D
 Acq: 01 May 2018 14:14

Tgt Ion:117 Resp: 16382
 Ion Ratio Lower Upper
 117 100
 119 4.3 73.4 110.2#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 44.30 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

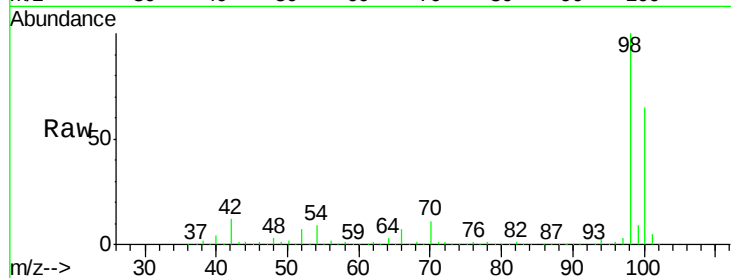
VX0501WBL01

Tgt Ion: 98 Resp: 360800

Ion Ratio Lower Upper

98 100

100 63.8 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

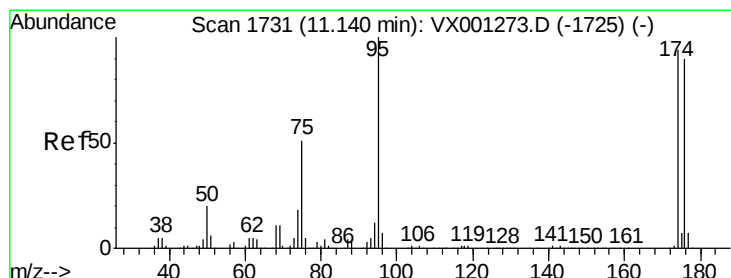
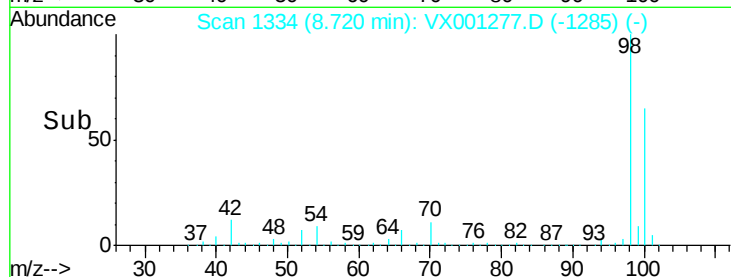
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 37.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

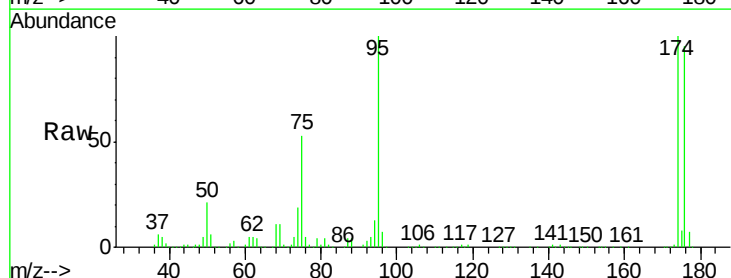
Tgt Ion: 95 Resp: 123725

Ion Ratio Lower Upper

95 100

174 102.0 0.0 201.8

176 100.3 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

120000

100000

80000

60000

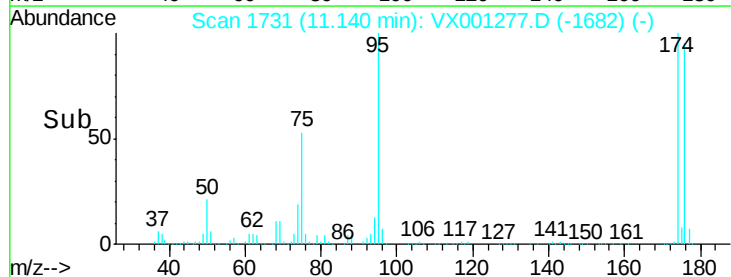
40000

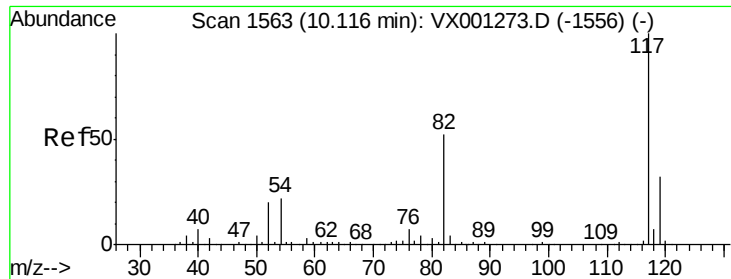
20000

0

11.10 11.20

Time-->

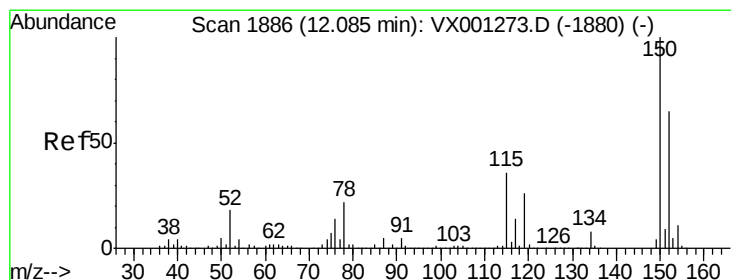
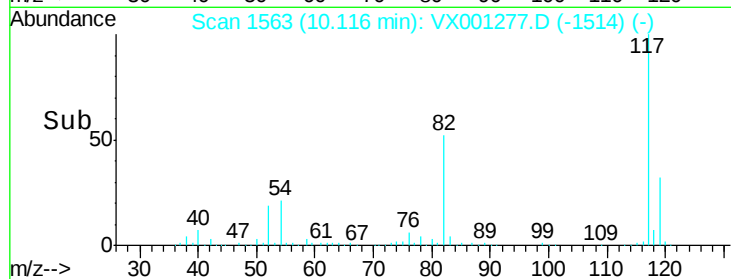
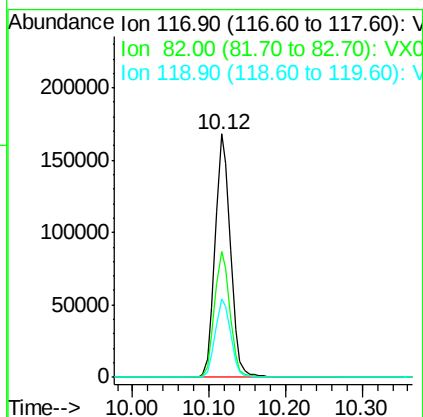
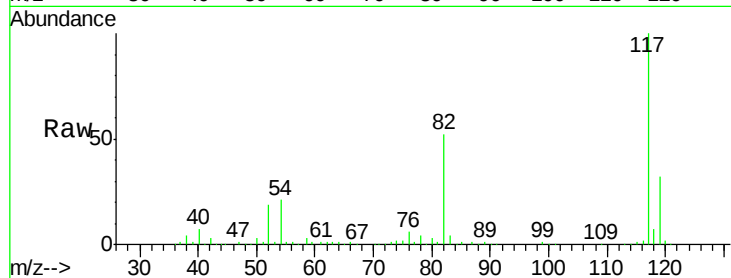




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

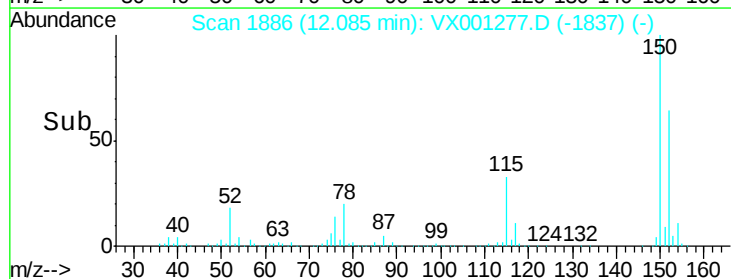
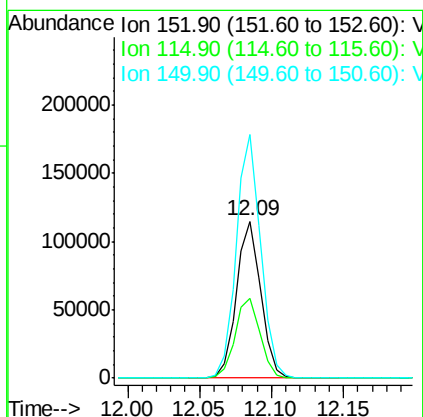
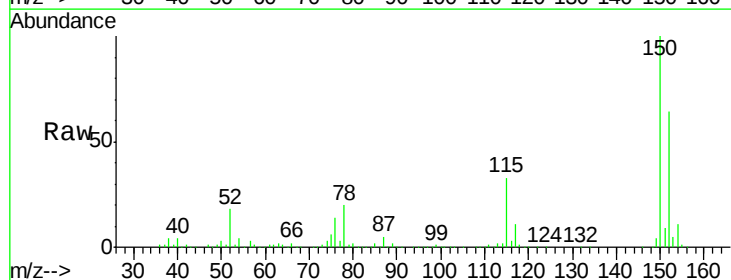
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBL01

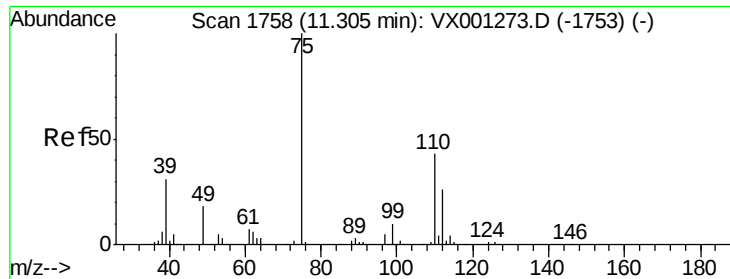
Tgt Ion:117 Resp: 233575
Ion Ratio Lower Upper
117 100
82 51.6 41.4 62.0
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001277.D
Acq: 01 May 2018 14:14

Tgt Ion:152 Resp: 135645
Ion Ratio Lower Upper
152 100
115 52.4 38.6 115.7
150 155.7 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 25.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

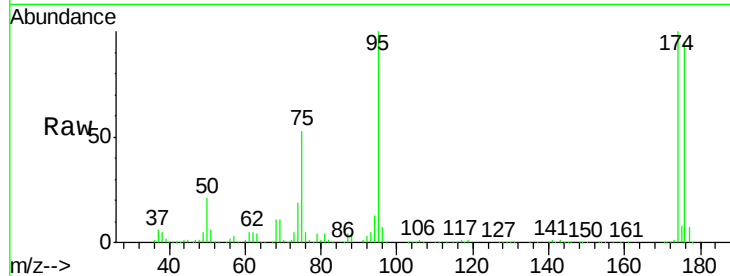
VX0501WBL01

Tgt Ion: 75 Resp: 64588

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

11.14

50000

40000

30000

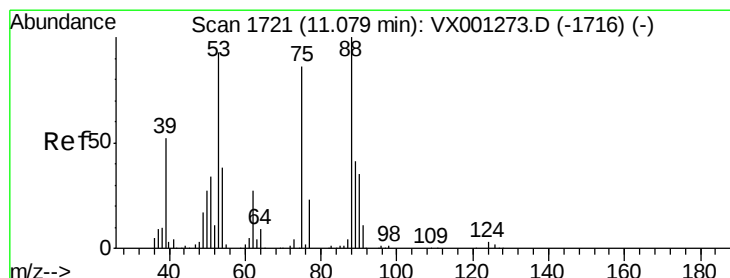
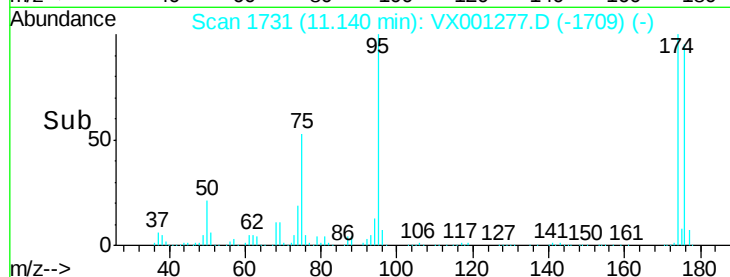
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 80.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

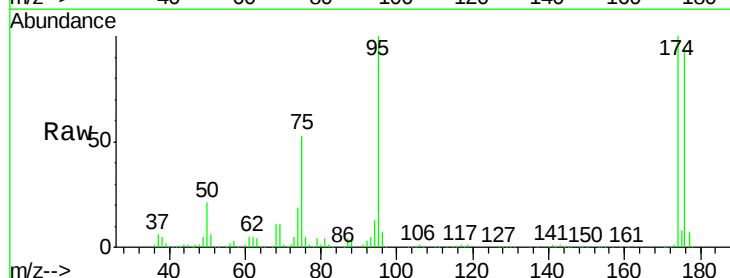
Tgt Ion: 75 Resp: 64588

Ion Ratio Lower Upper

75 100

53 0.0 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

11.14

60000

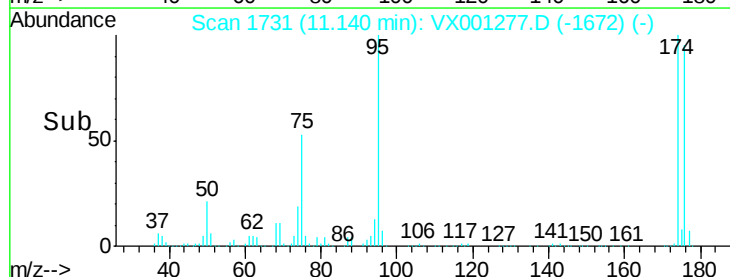
40000

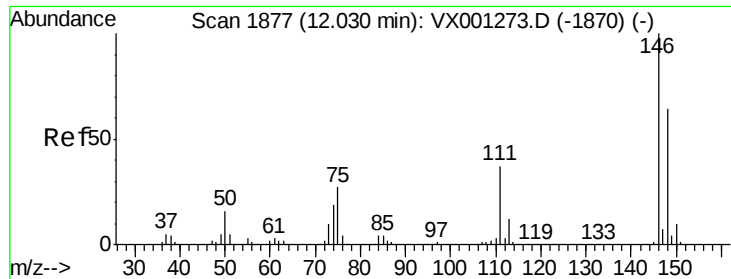
20000

0

Time-->

11.10 11.15 11.20





#87

1,3-Dichlorobenzene

Concen: 0.22 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBL01

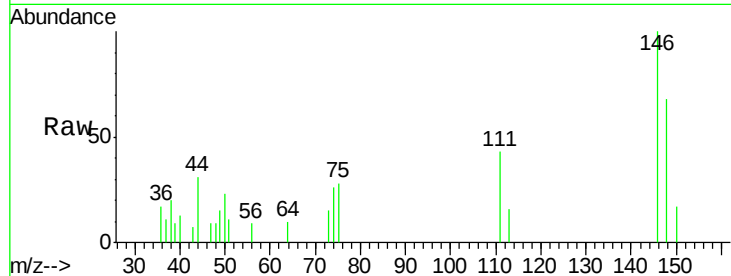
Tgt Ion:146 Resp: 1069

Ion Ratio Lower Upper

146 100

111 32.3 18.4 55.2

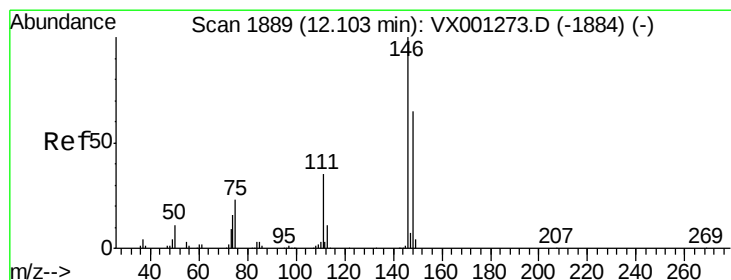
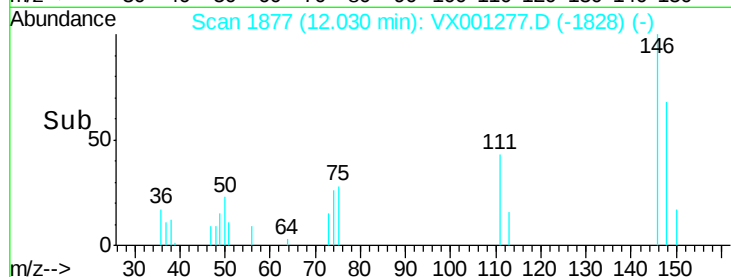
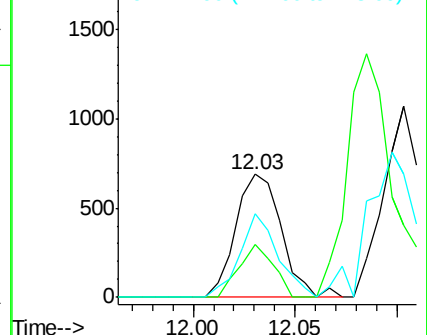
148 56.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.21 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX001277.D

Acq: 01 May 2018 14:14

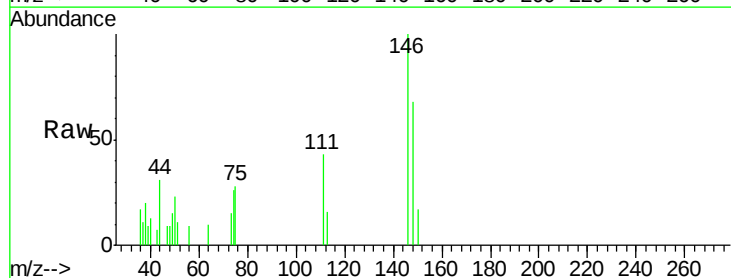
Tgt Ion:146 Resp: 1069

Ion Ratio Lower Upper

146 100

111 32.3 17.9 53.7

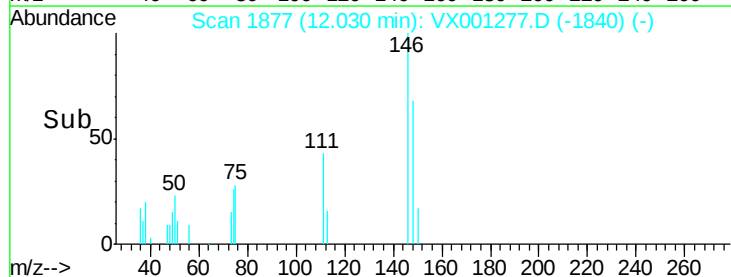
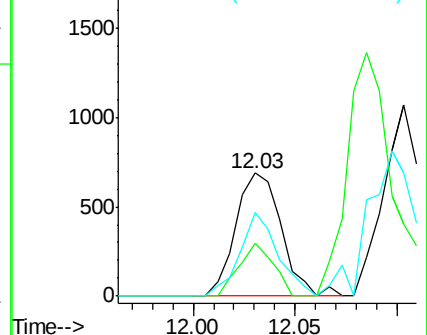
148 56.7 32.3 96.8

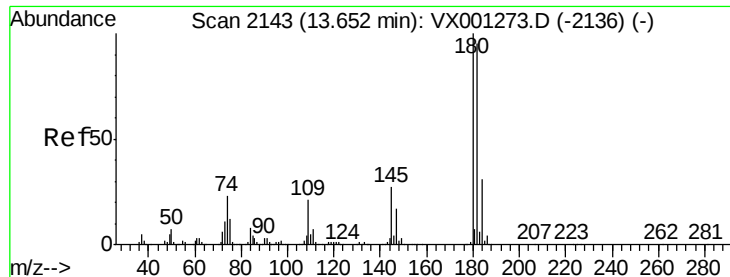


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

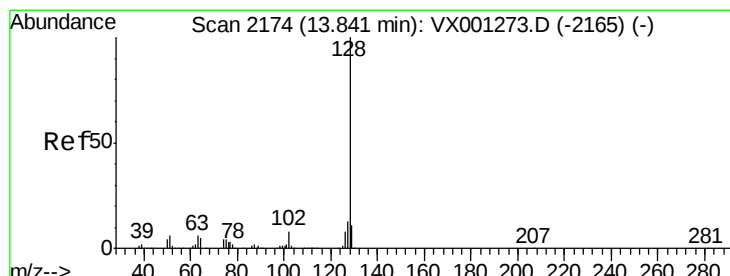
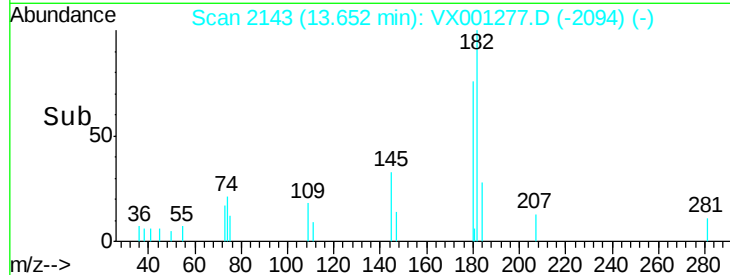
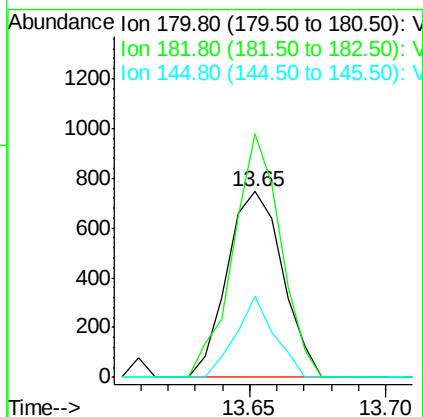
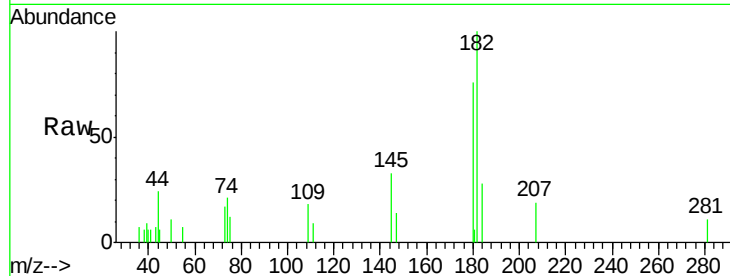




#93
 1,2,4-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001277.D
 Acq: 01 May 2018 14:14

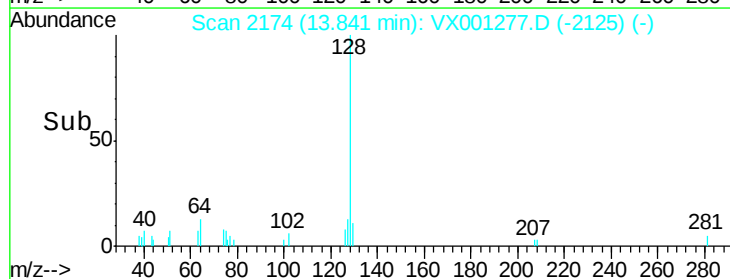
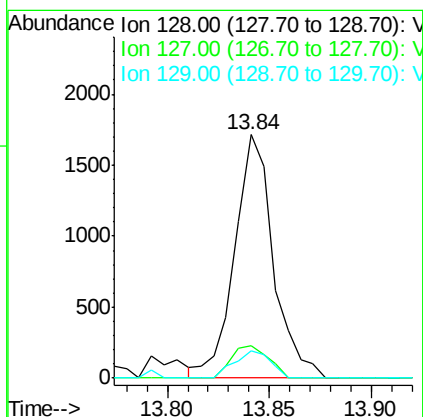
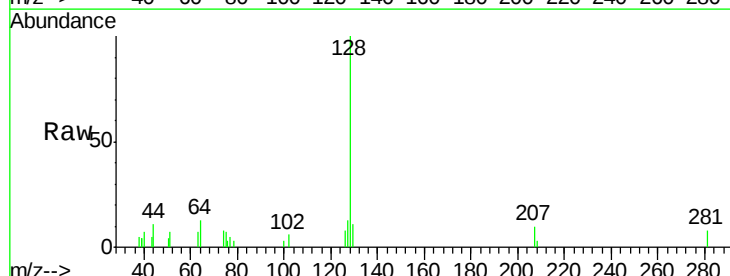
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBL01

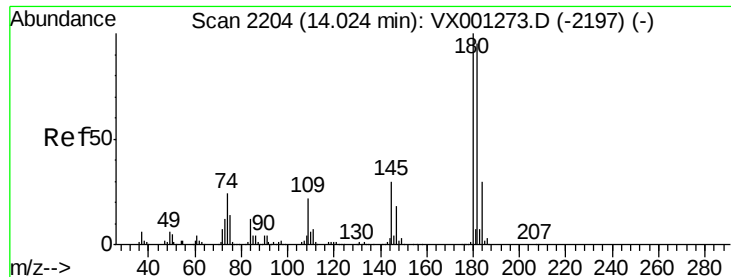
Tgt Ion:180 Resp: 1057
 Ion Ratio Lower Upper
 180 100
 182 112.5 47.3 141.9
 145 30.7 13.5 40.4



#95
 Naphthalene
 Concen: 0.23 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001277.D
 Acq: 01 May 2018 14:14

Tgt Ion:128 Resp: 2253
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.5 15.7
 129 10.3 8.7 13.1

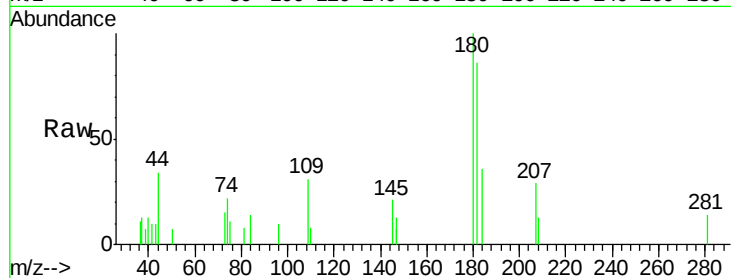




#96
 1,2,3-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 14.03 min Scan# 2205
 Delta R.T. 0.01 min
 Lab File: VX001277.D
 Acq: 01 May 2018 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBL01

Tgt Ion:180 Resp: 1052
 Ion Ratio Lower Upper
 180 100
 182 88.2 48.1 144.3
 145 24.3 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

