

Data File : VX001280.D
Acq On : 01 May 2018 15:50
Operator : JC/MD
Sample : J2616-12 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ROBEL-2

Quant Time: May 02 02:03:02 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	187978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	254272	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	219029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	116037	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	113368	43.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.14%	
35) Dibromofluoromethane	5.51	113	92268	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	
50) Toluene-d8	8.72	98	351588	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
62) 4-Bromofluorobenzene	11.14	95	111644	35.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.34%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	372	Below Cal		89
10) Methyl Iodide	2.51	142	391	4.49	ug/l	95
11) Tert butyl alcohol	3.07	59	249	0.56	ug/l	99
13) Acrolein	2.31	56	185	0.72	ug/l #	14
15) Acrylonitrile	3.15	53	478	0.46	ug/l #	75
16) Acetone	2.45	43	3250	2.93	ug/l	99
17) Carbon Disulfide	2.57	76	1373	0.28	ug/l	98
18) Methyl Acetate	2.78	43	3954	1.51	ug/l	99
20) Methylene Chloride	2.86	84	25842	11.67	ug/l	98
25) 2-Butanone	4.72	43	639	0.43	ug/l	96
29) Tetrahydrofuran	5.17	42	318	0.34	ug/l #	76
31) Cyclohexane	5.67	56	3563	1.11	ug/l #	22
38) Carbon Tetrachloride	5.67	117	15503	5.04	ug/l #	16
68) m/p-Xylenes	10.37	106	833	0.22	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	57296	26.70	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	57296	83.71	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.81	105	1697	0.25	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	935	0.28	ug/l	91
95) Naphthalene	13.84	128	63832	7.52	ug/l	99

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

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ClientSampleId :

ROBEL-2

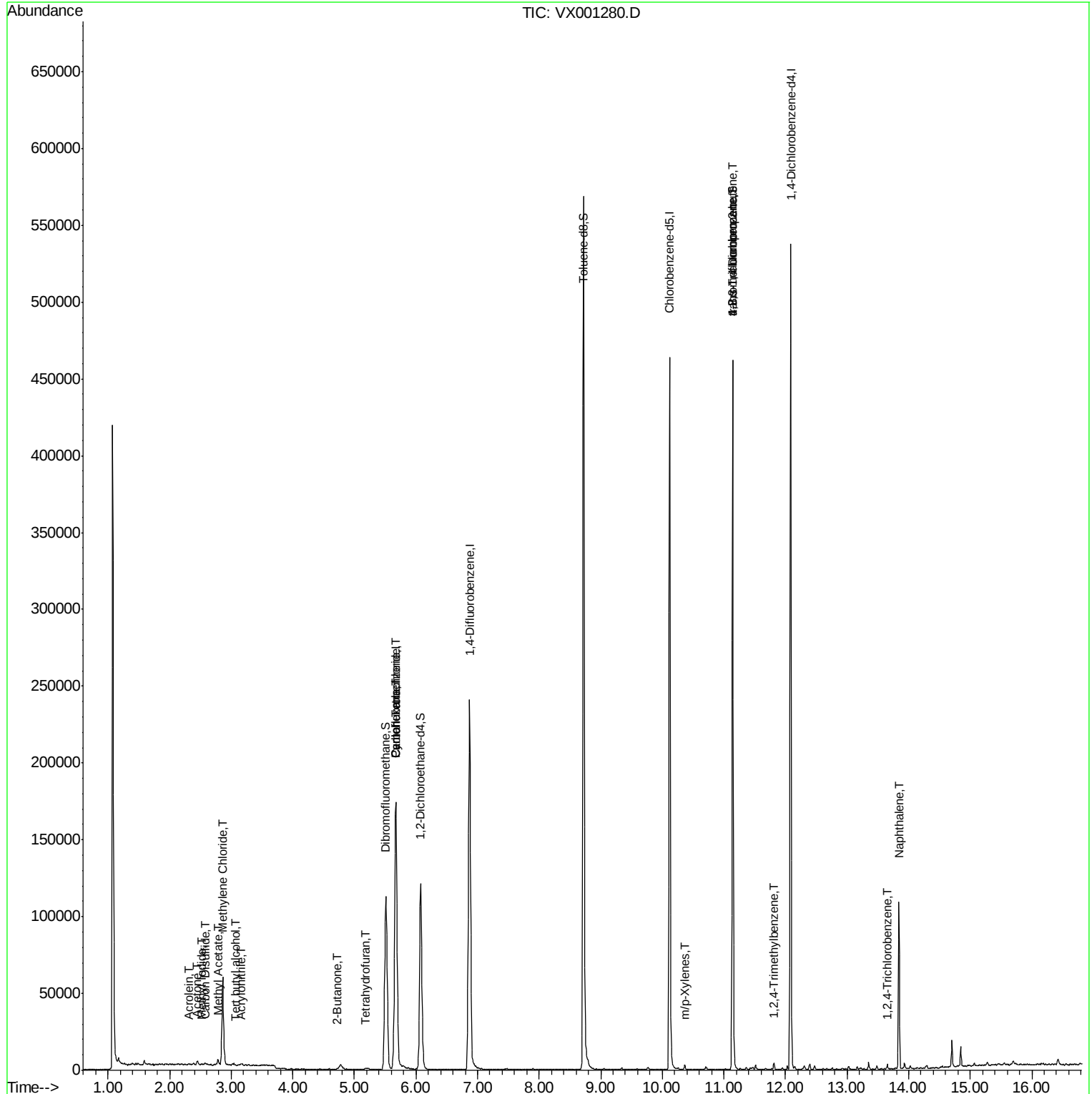
Quant Time: May 02 02:03:02 2018

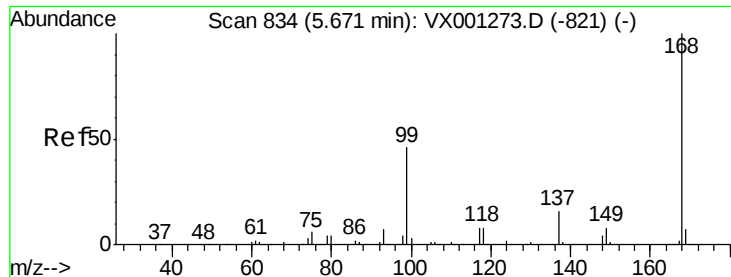
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

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: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

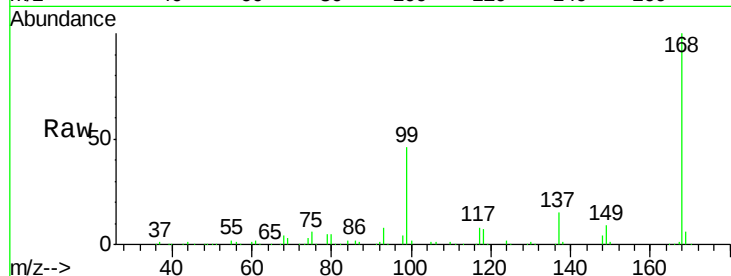
ROBEL-2

Tgt Ion:168 Resp: 187978

Ion Ratio Lower Upper

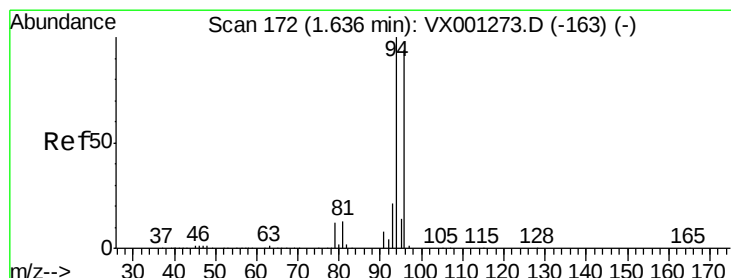
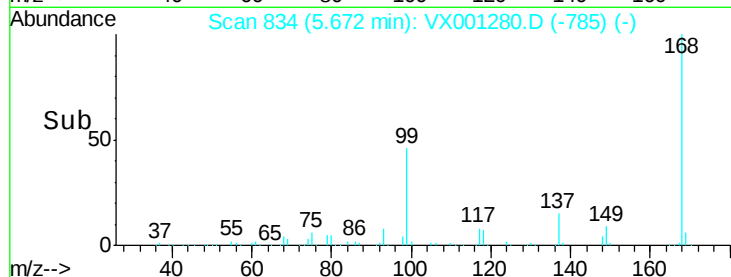
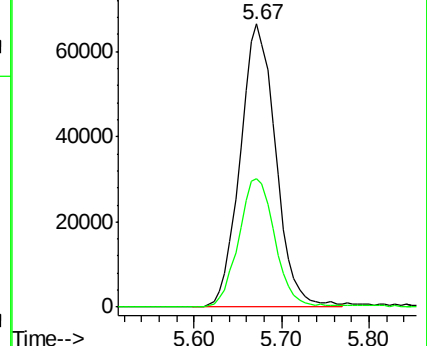
168 100

99 45.5 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# 175

Delta R.T. 0.02 min

Lab File: VX001280.D

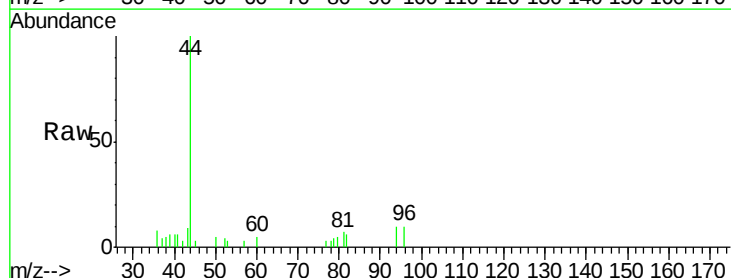
Acq: 01 May 2018 15:50

Tgt Ion: 94 Resp: 372

Ion Ratio Lower Upper

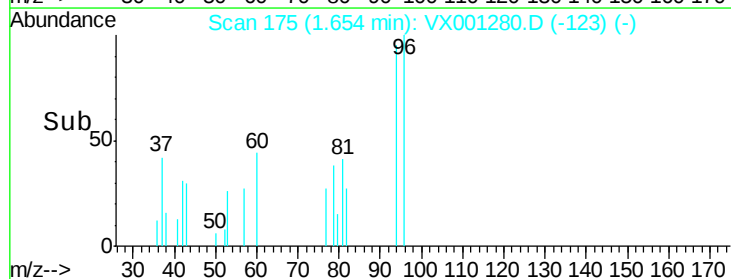
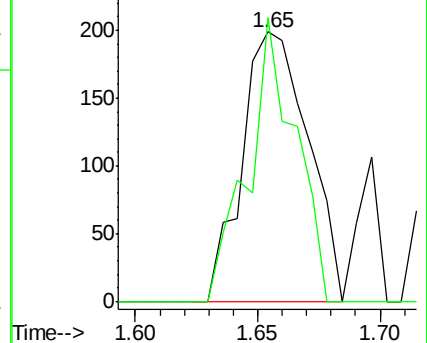
94 100

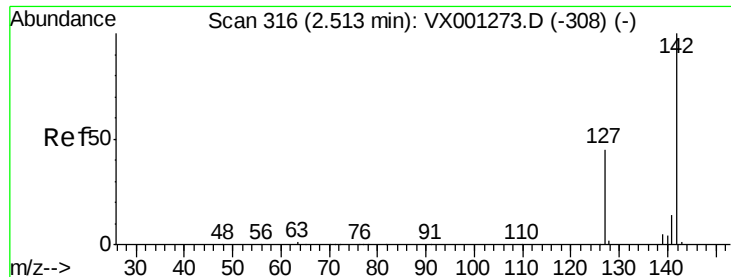
96 105.0 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

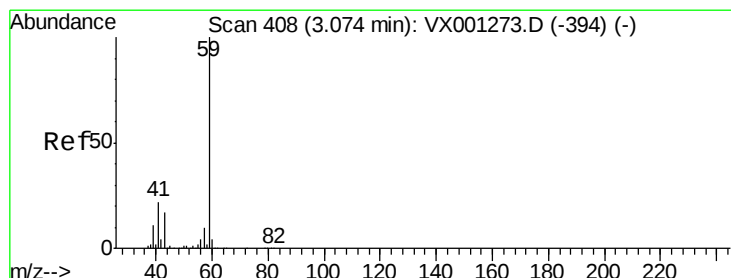
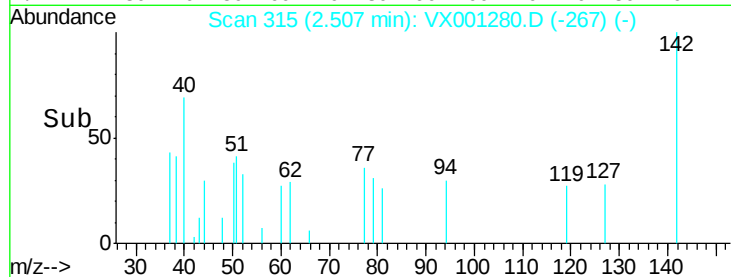
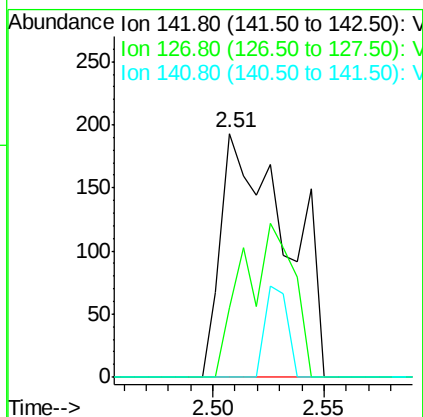
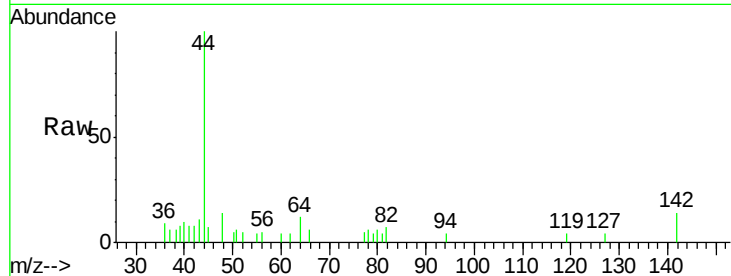




#10
Methyl Iodide
Concen: 4.49 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001280.D
Acq: 01 May 2018 15:50

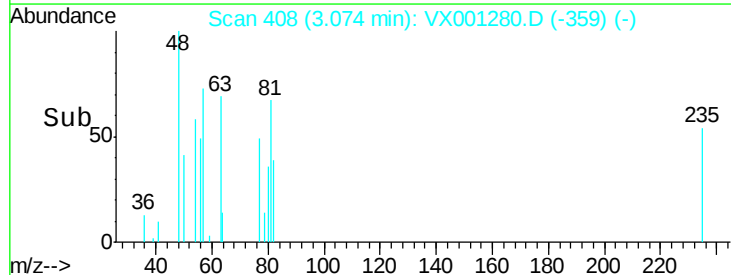
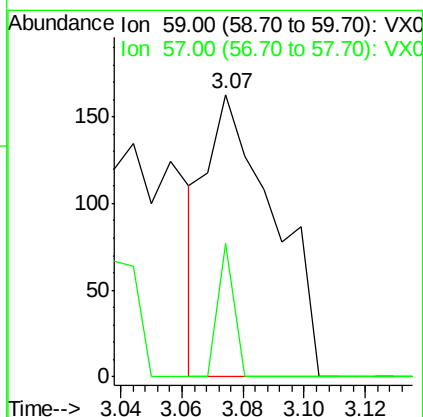
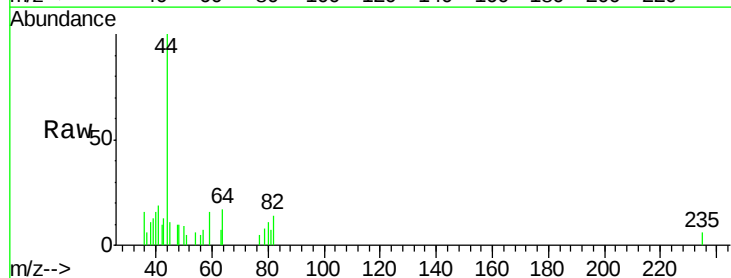
Instrument :
MSVOA_X
ClientSampled :
ROBEL-2

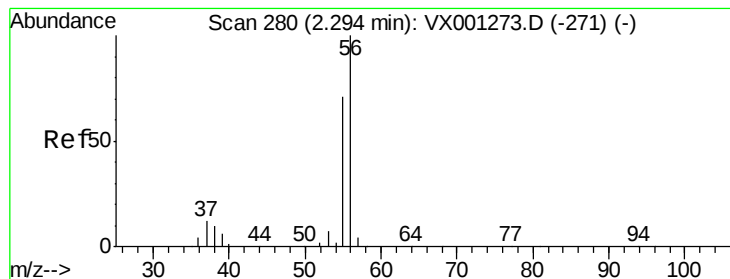
Tgt Ion: 142 Resp: 391
Ion Ratio Lower Upper
142 100
127 48.3 35.7 53.5
141 12.8 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.56 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001280.D
Acq: 01 May 2018 15:50

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8





#13

Acrolein

Concen: 0.72 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampled :

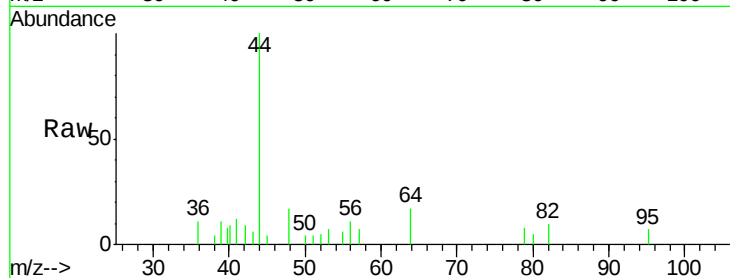
ROBEL-2

Tgt Ion: 56 Resp: 185

Ion Ratio Lower Upper

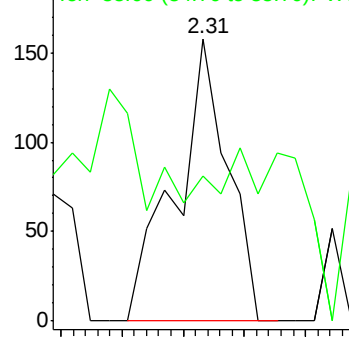
56 100

55 0.0 57.2 85.8#

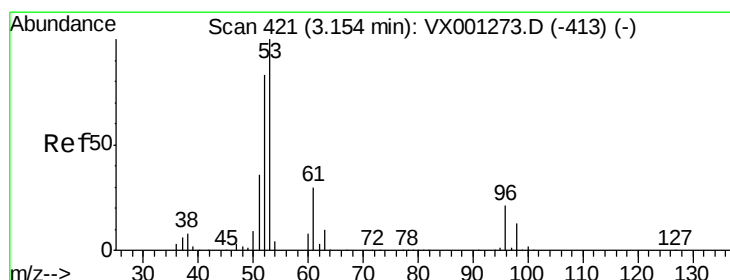
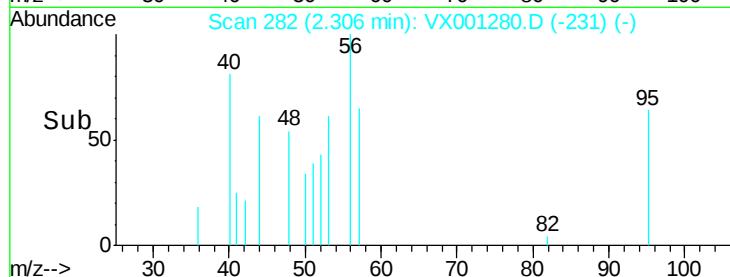


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.46 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

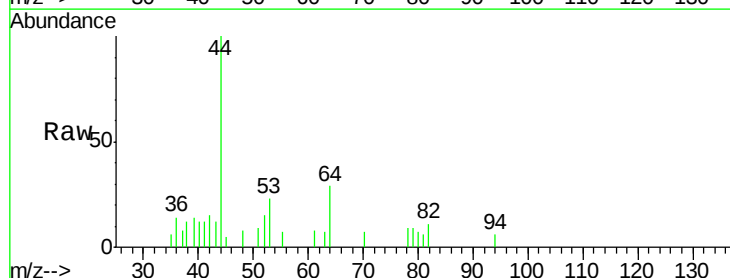
Tgt Ion: 53 Resp: 478

Ion Ratio Lower Upper

53 100

52 91.4 67.0 100.4

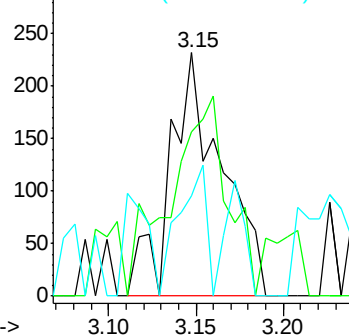
51 0.0 29.9 44.9#



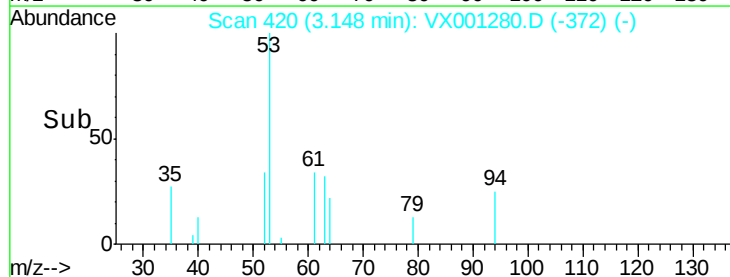
Abundance Ion 53.00 (52.70 to 53.70): VX0

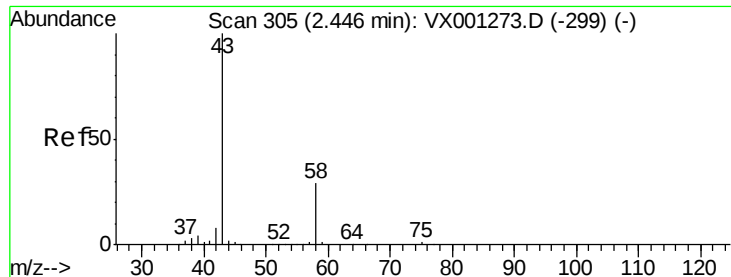
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 2.93 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

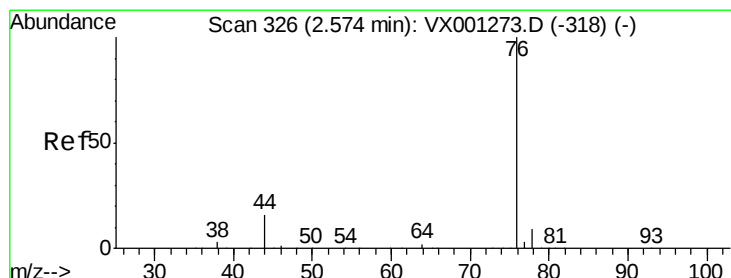
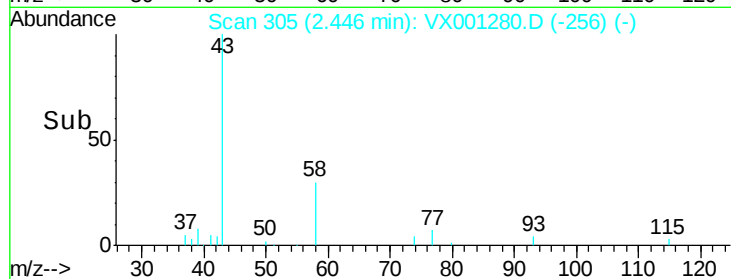
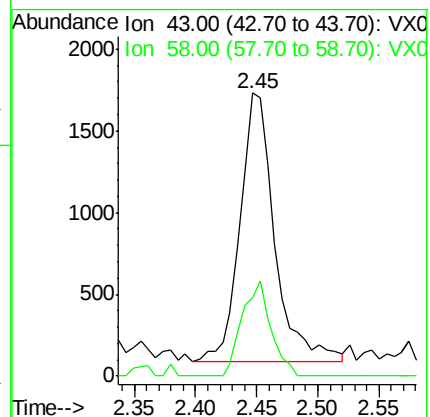
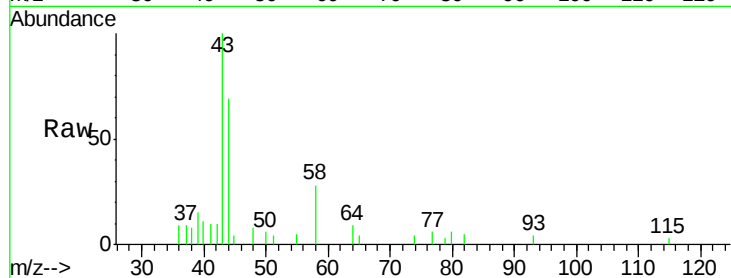
ROBEL-2

Tgt Ion: 43 Resp: 3250

Ion Ratio Lower Upper

43 100

58 29.1 22.8 34.2



#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001280.D

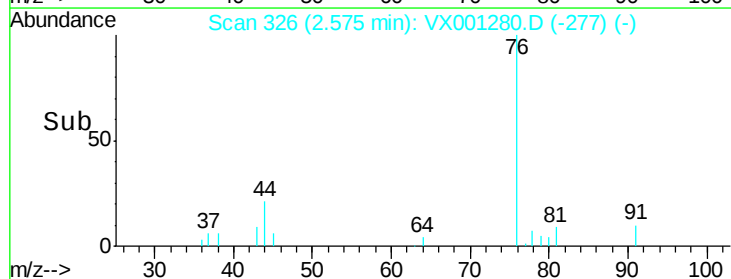
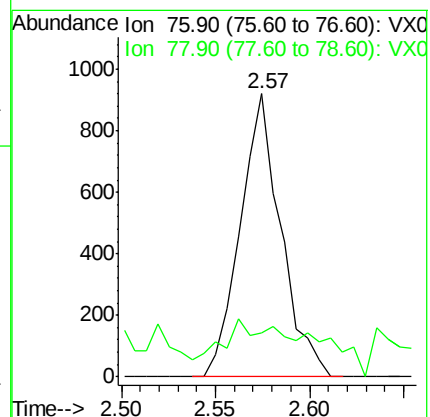
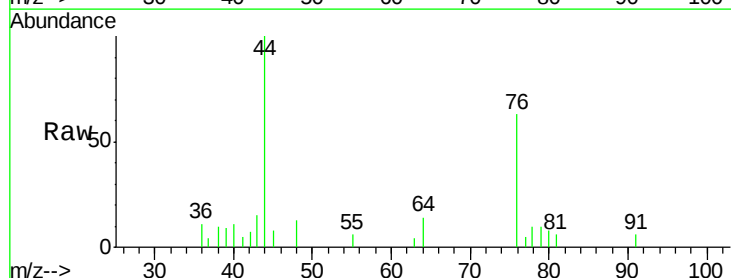
Acq: 01 May 2018 15:50

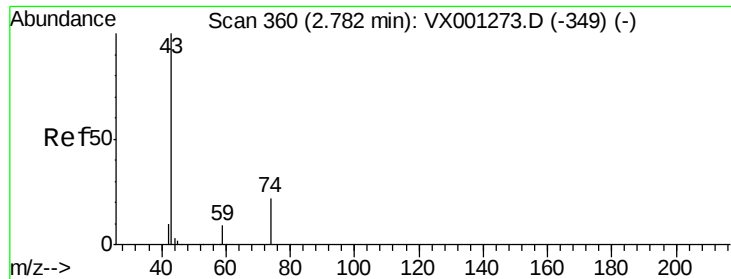
Tgt Ion: 76 Resp: 1373

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

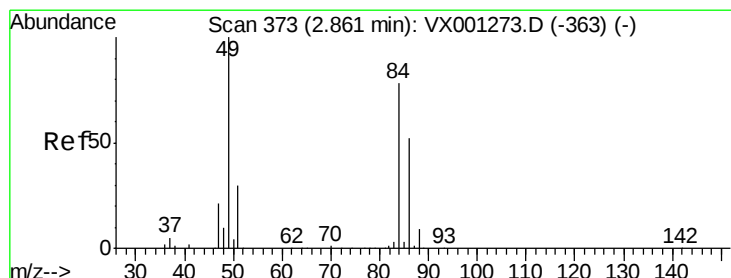
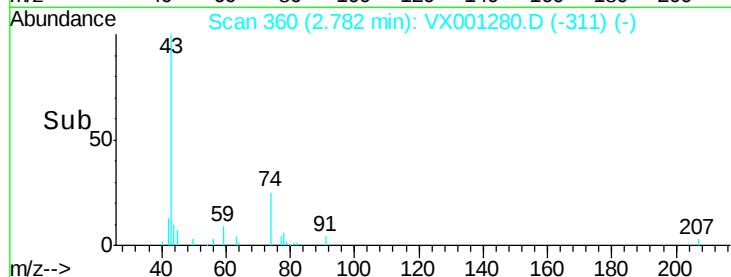
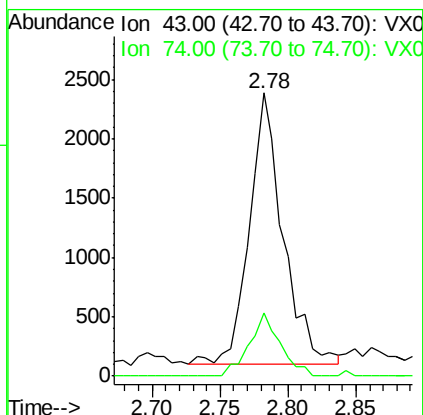
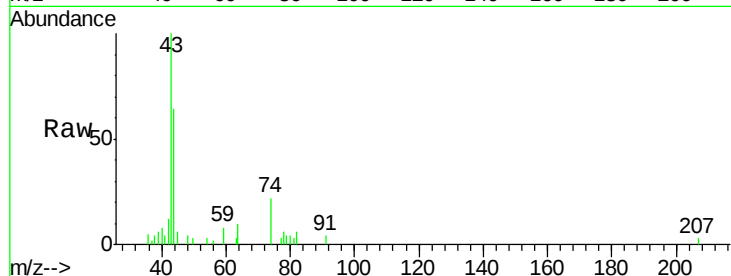




#18
Methyl Acetate
Concen: 1.51 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001280.D
Acq: 01 May 2018 15:50

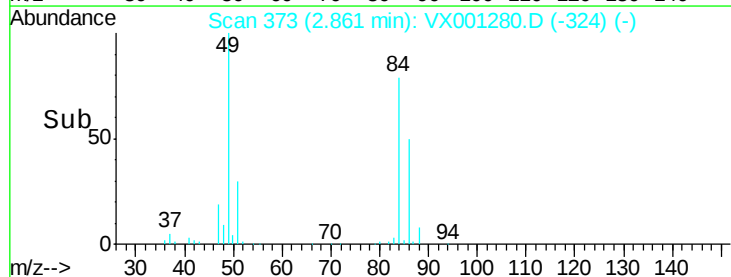
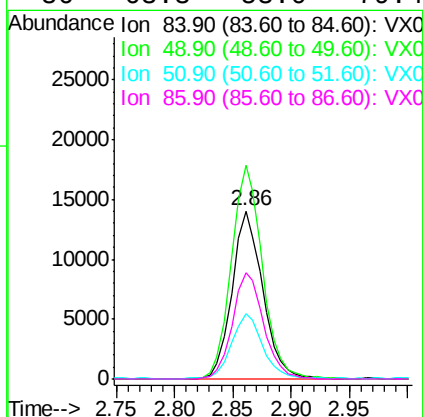
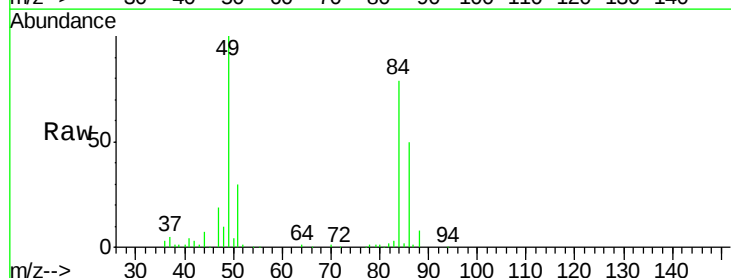
Instrument :
MSVOA_X
ClientSampled :
ROBEL-2

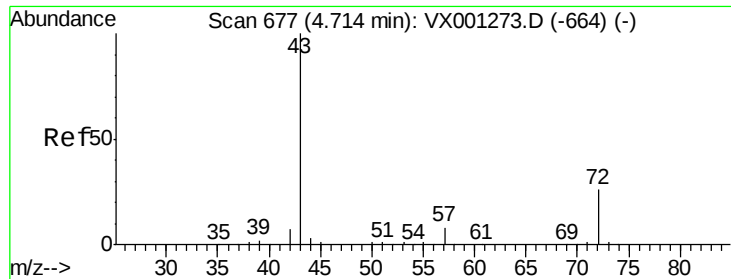
Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6



#20
Methylene Chloride
Concen: 11.67 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001280.D
Acq: 01 May 2018 15:50

Tgt Ion: 84 Resp: 25842
Ion Ratio Lower Upper
84 100
49 127.0 102.8 154.2
51 38.1 30.9 46.3
86 63.3 53.0 79.4





#25

2-Butanone

Concen: 0.43 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

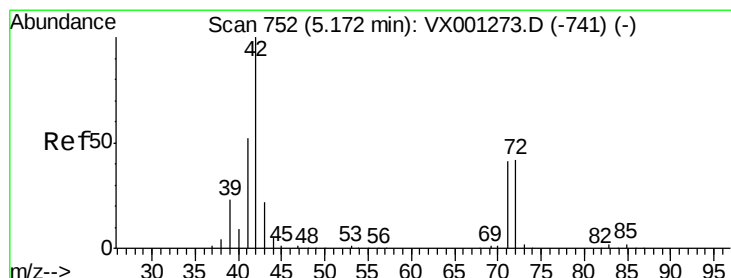
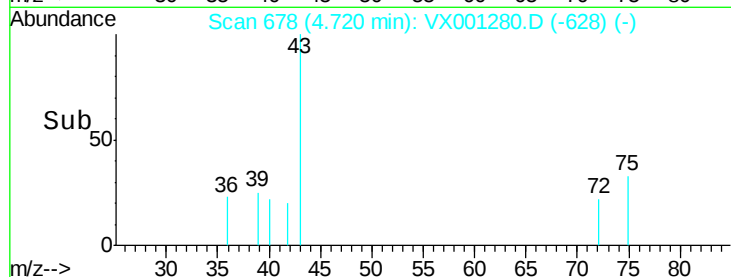
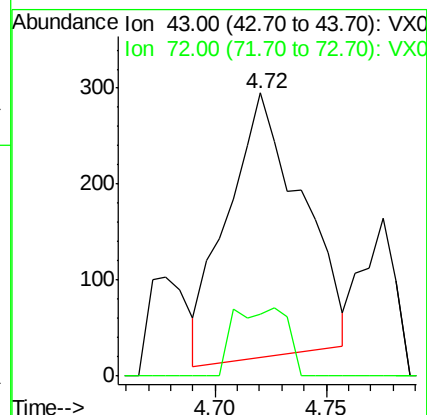
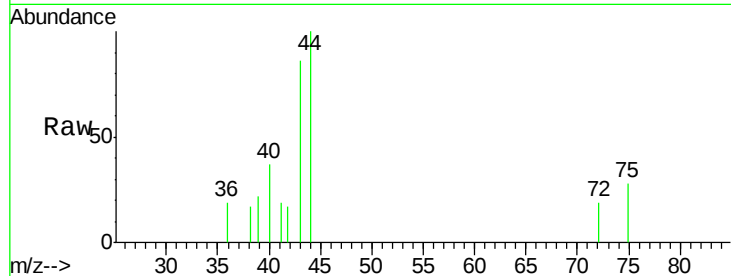
ROBEL-2

Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

72 27.8 20.5 30.7



#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

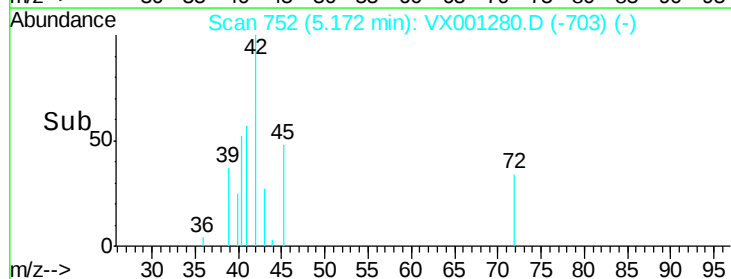
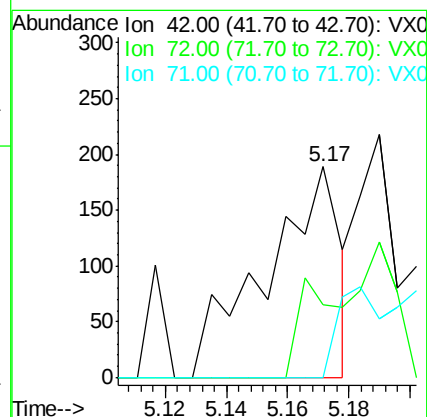
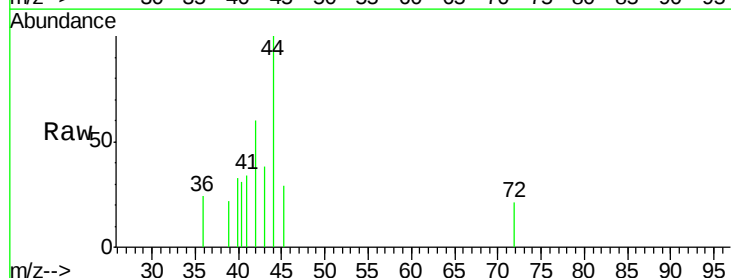
Tgt Ion: 42 Resp: 318

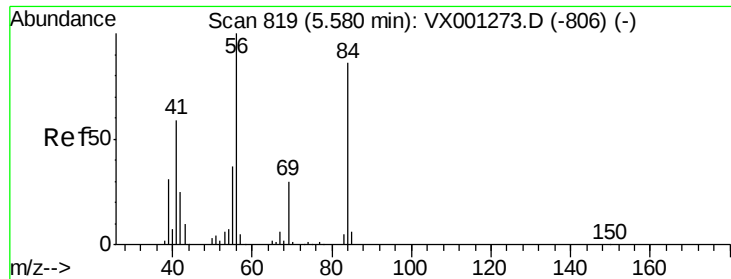
Ion Ratio Lower Upper

42 100

72 56.9 34.6 52.0#

71 23.6 32.7 49.1#

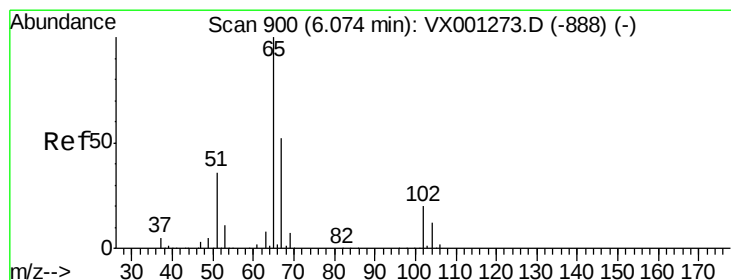
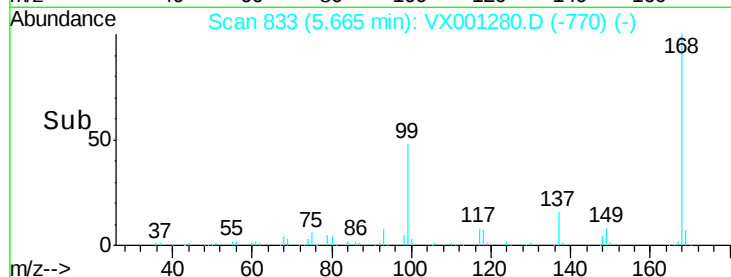
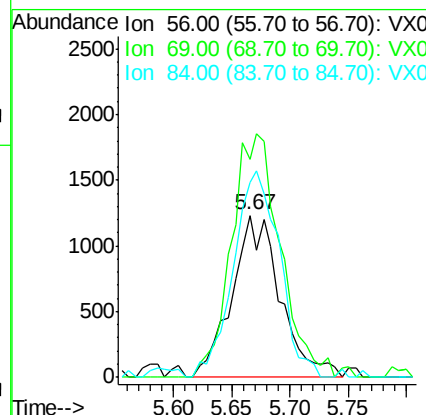
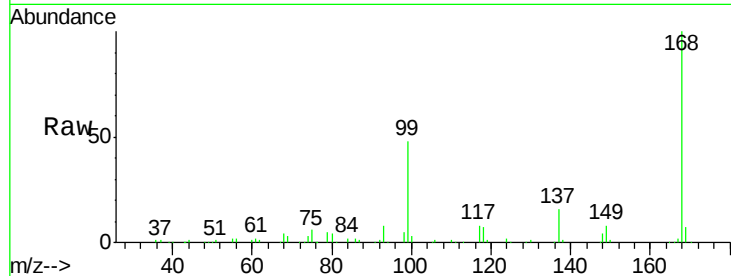




#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001280.D
Acq: 01 May 2018 15:50

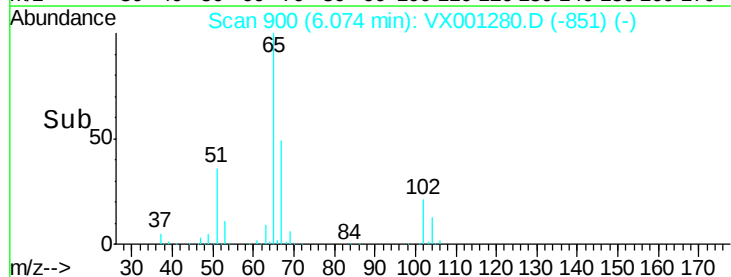
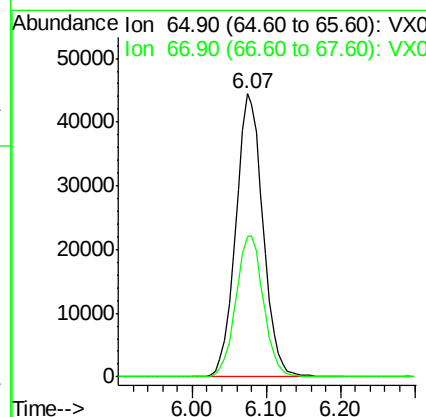
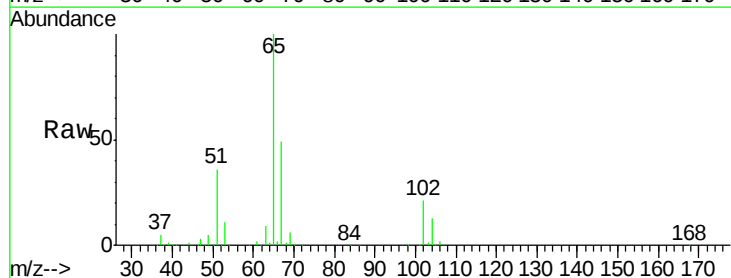
Instrument :
MSVOA_X
ClientSampled :
ROBEL-2

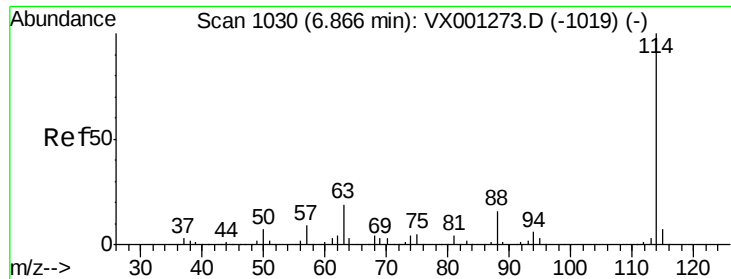
Tgt Ion: 56 Resp: 3563
Ion Ratio Lower Upper
56 100
69 134.9 24.0 36.0#
84 120.4 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 43.57 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001280.D
Acq: 01 May 2018 15:50

Tgt Ion: 65 Resp: 113368
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampled :

ROBEL-2

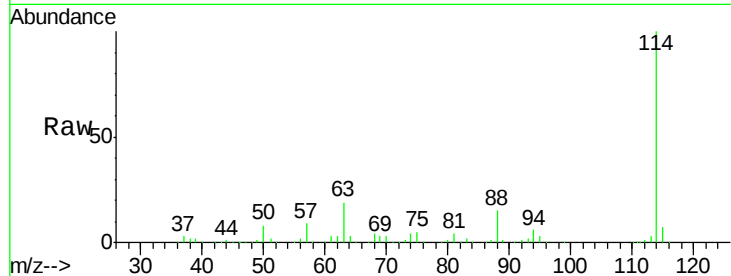
Tgt Ion:114 Resp: 254272

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

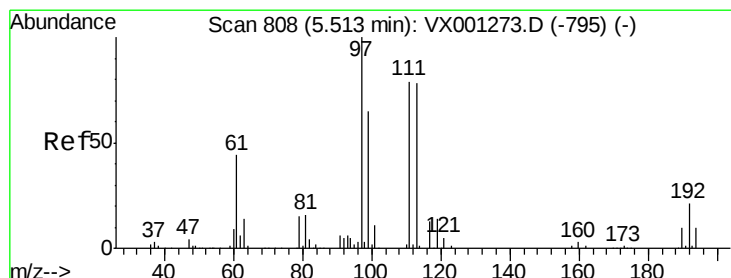
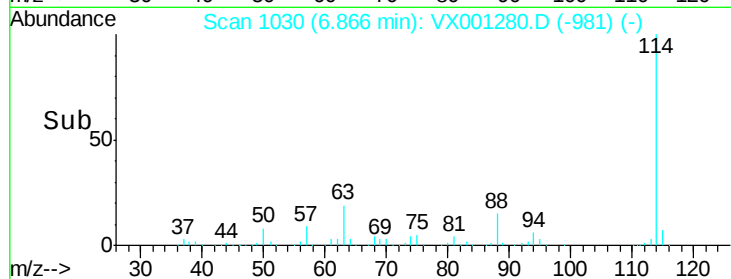
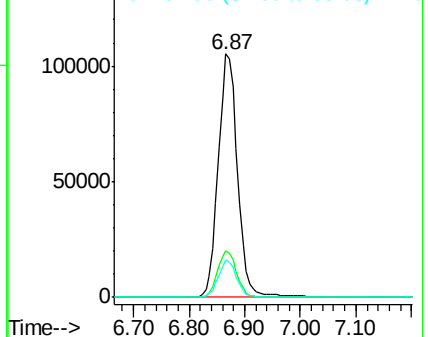
88 15.2 0.0 32.2



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: 42.12 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

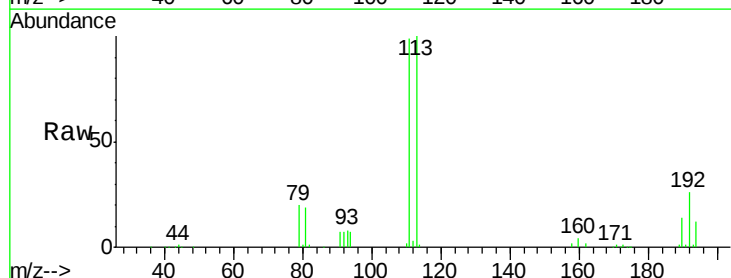
Tgt Ion:113 Resp: 92268

Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

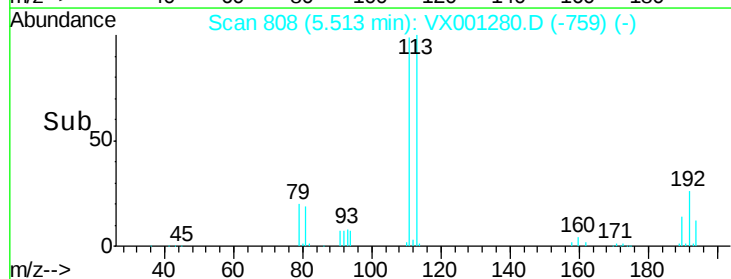
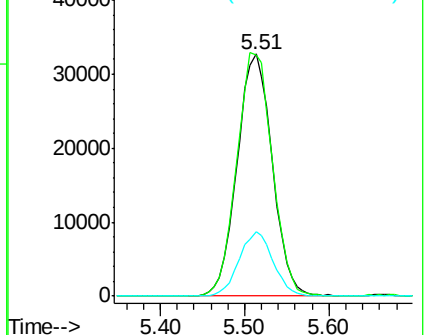
192 25.7 20.7 31.1

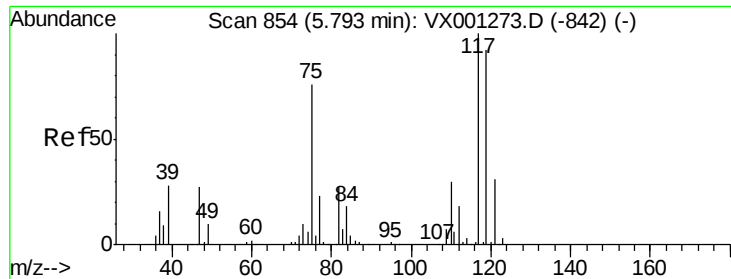


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.04 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

ROBEL-2

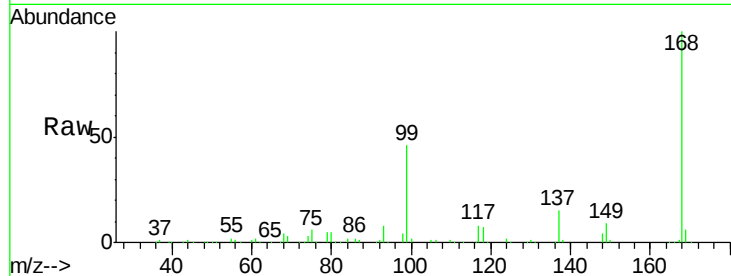
Tgt Ion:117 Resp: 15503

Ion Ratio Lower Upper

117 100

119 2.8 73.4 110.2#

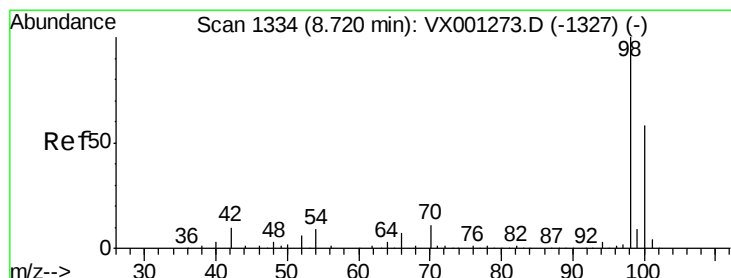
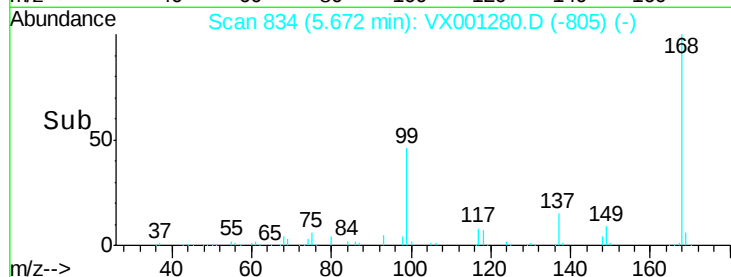
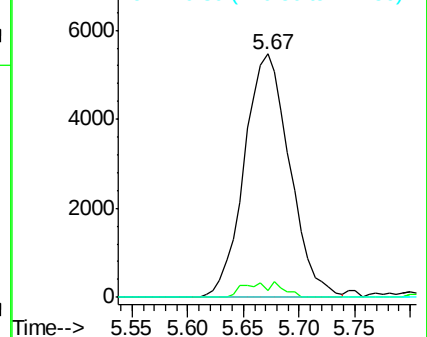
121 0.0 25.0 37.4#



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: 44.92 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001280.D

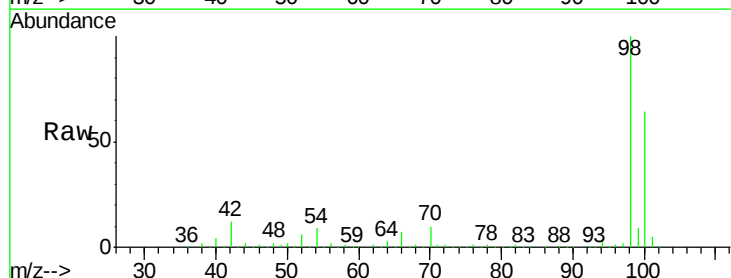
Acq: 01 May 2018 15:50

Tgt Ion: 98 Resp: 351588

Ion Ratio Lower Upper

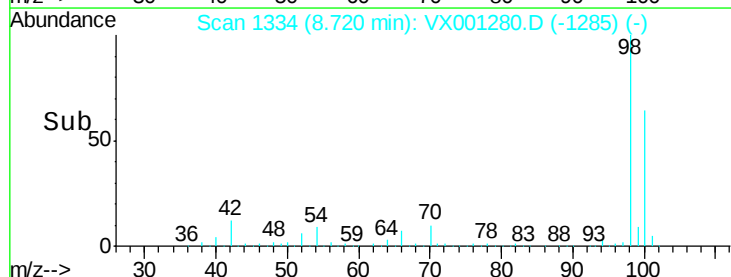
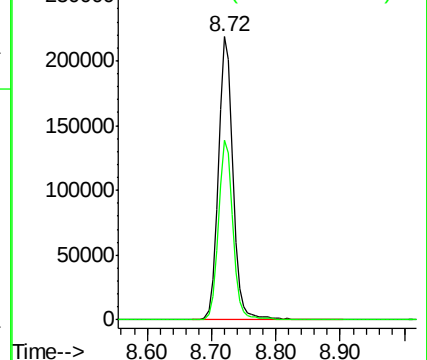
98 100

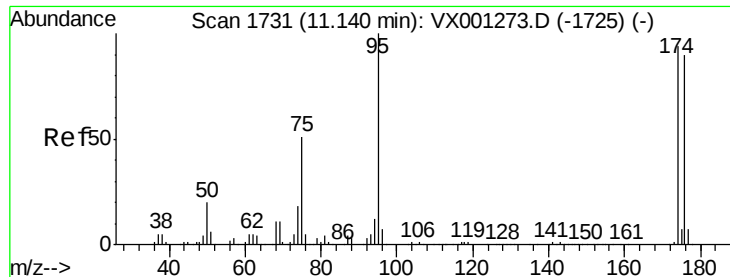
100 63.4 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 35.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

ROBEL-2

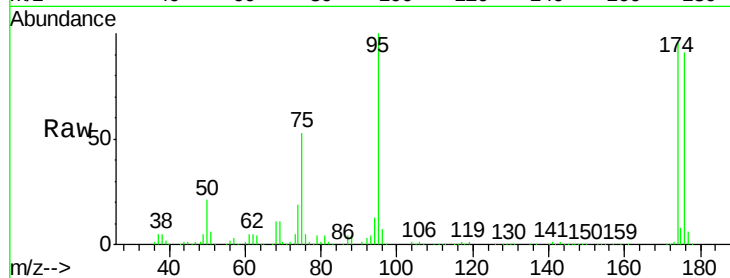
Tgt Ion: 95 Resp: 111644

Ion Ratio Lower Upper

95 100

174 102.2 0.0 201.8

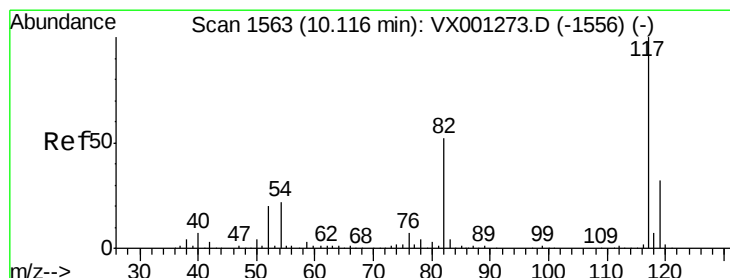
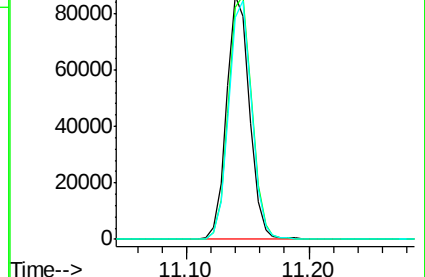
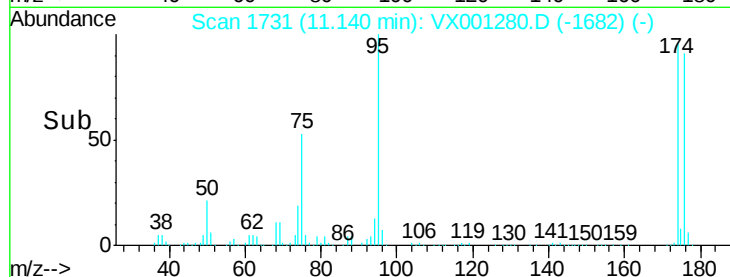
176 98.3 0.0 197.2



Abundance Ion 94.90 (94.60 to 95.60): VX001280.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001280.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001280.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

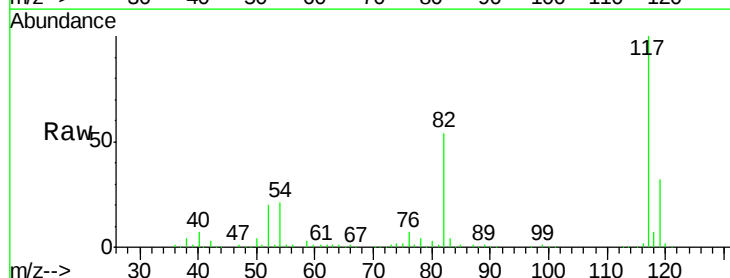
Tgt Ion: 117 Resp: 219029

Ion Ratio Lower Upper

117 100

82 53.5 41.4 62.0

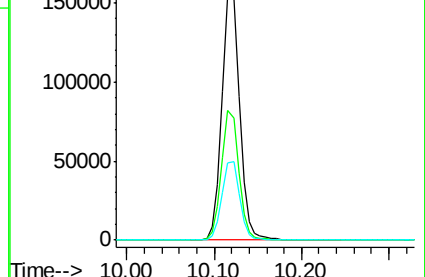
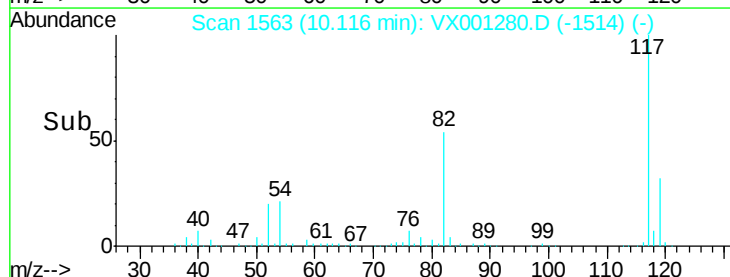
119 31.9 25.5 38.3

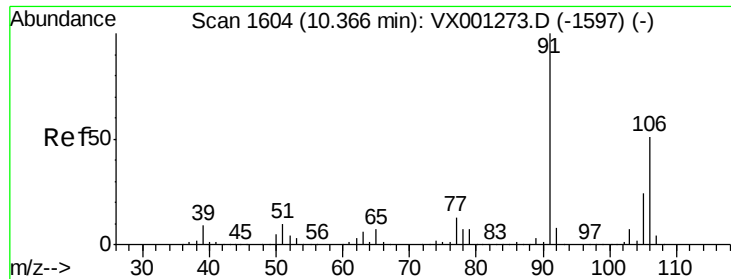


Abundance Ion 116.90 (116.60 to 117.60): VX001280.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001280.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001280.D (-1514) (-)





#68

m/p-Xylenes

Concen: 0.22 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

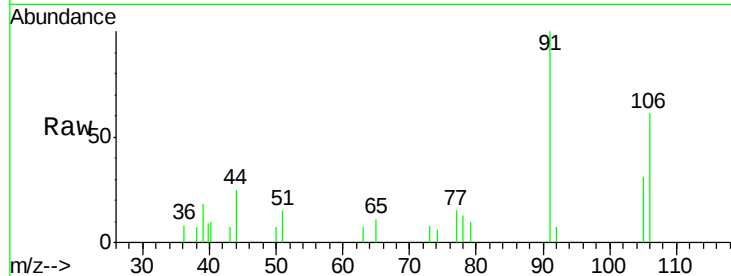
ROBEL-2

Tgt Ion:106 Resp: 833

Ion Ratio Lower Upper

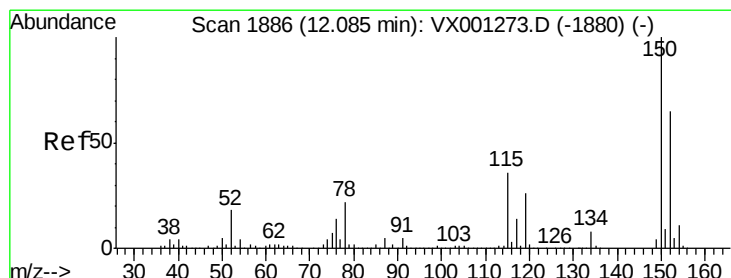
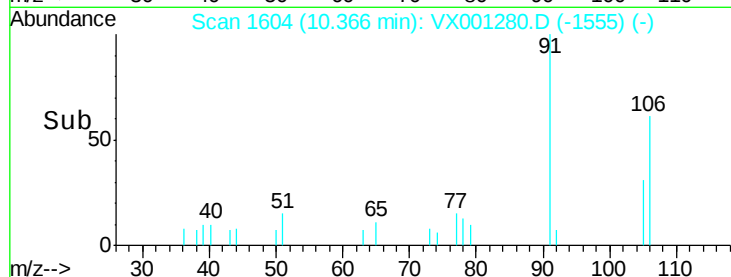
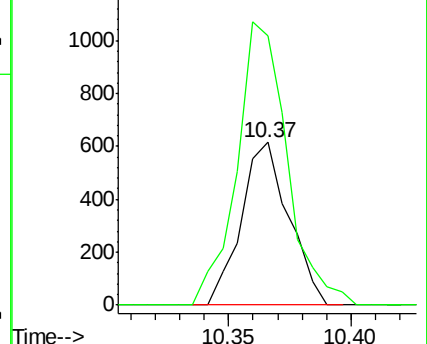
106 100

91 183.6 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001280.D

Acq: 01 May 2018 15:50

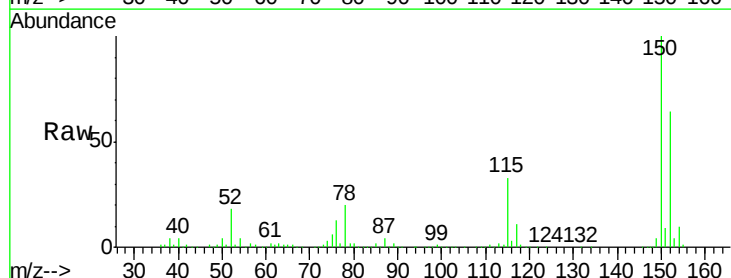
Tgt Ion:152 Resp: 116037

Ion Ratio Lower Upper

152 100

115 52.1 38.6 115.7

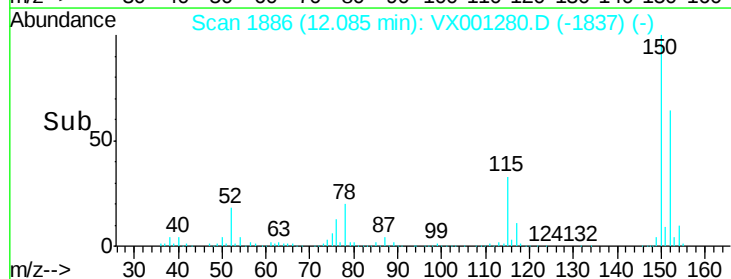
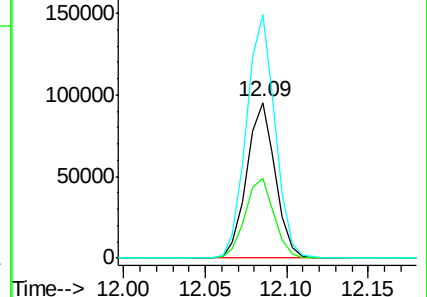
150 157.7 0.0 349.2

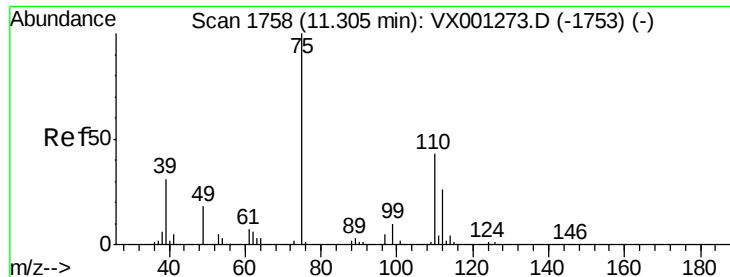


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

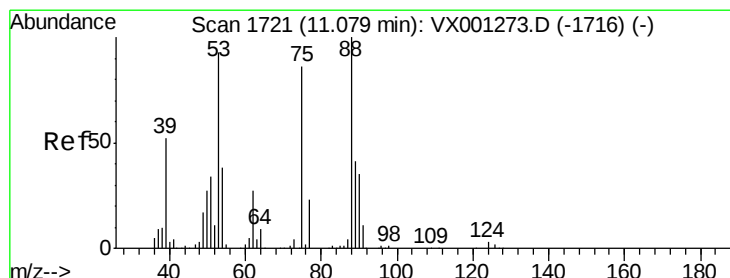
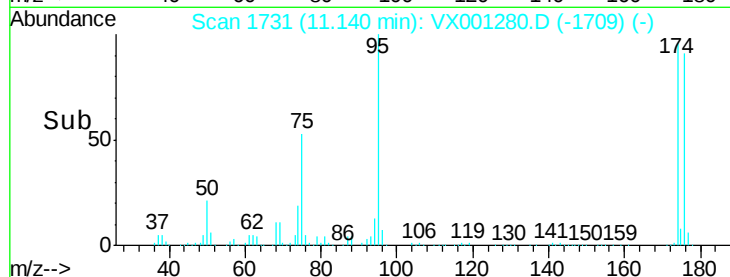
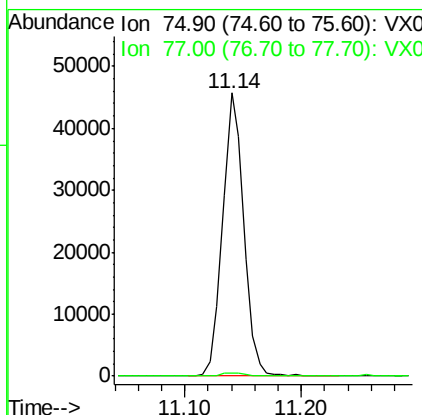
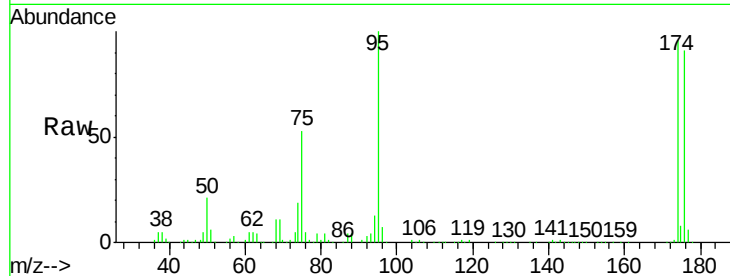




#76
 1,2,3-Trichloropropane
 Concen: 26.70 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001280.D
 Acq: 01 May 2018 15:50

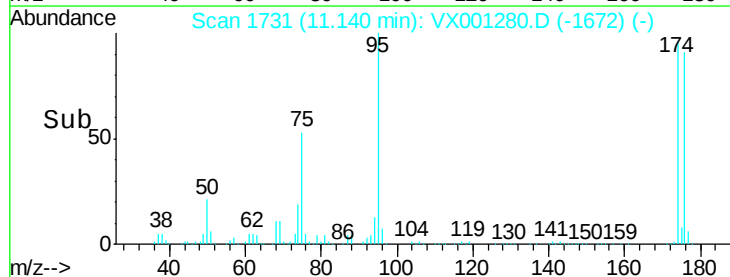
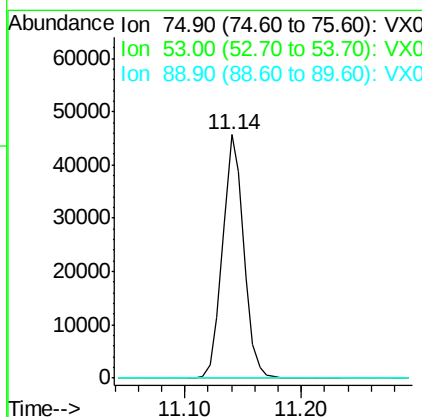
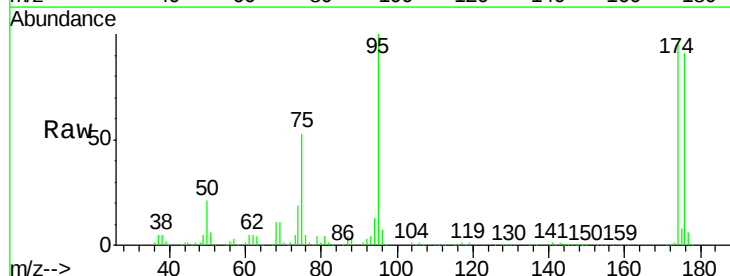
Instrument :
 MSVOA_X
 ClientSampled :
 ROBEL-2

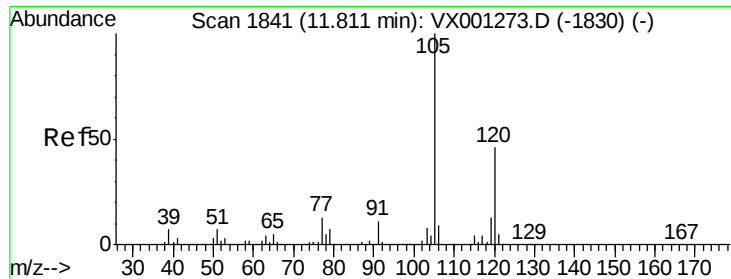
Tgt Ion: 75 Resp: 57296
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.71 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001280.D
 Acq: 01 May 2018 15:50

Tgt Ion: 75 Resp: 57296
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.1 130.7#
 89 0.0 38.9 58.3#

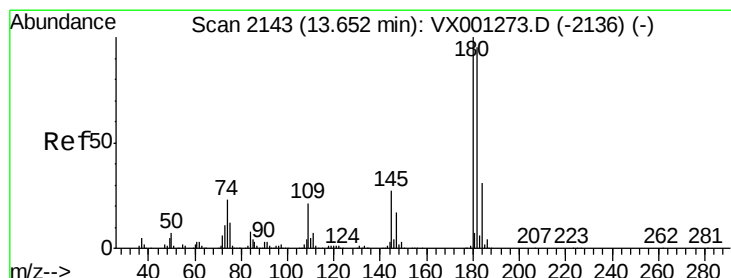
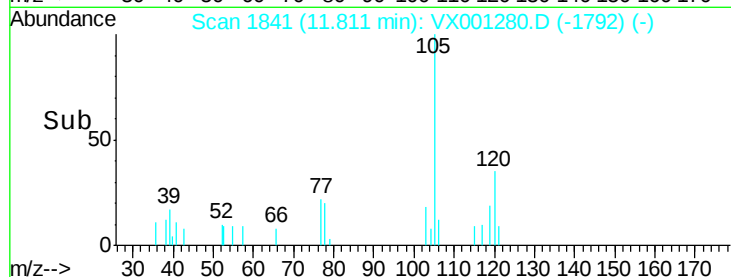
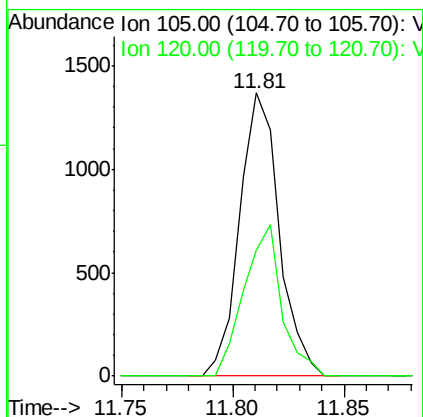
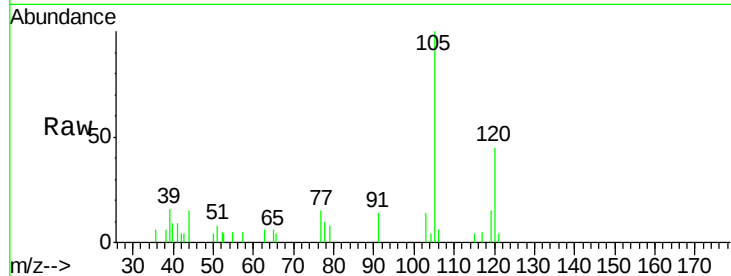




#84
 1,2,4-Trimethylbenzene
 Concen: 0.25 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001280.D
 Acq: 01 May 2018 15:50

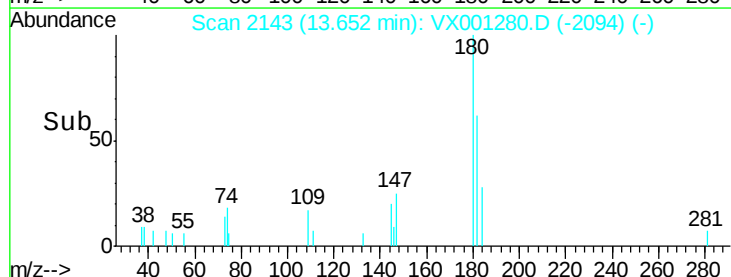
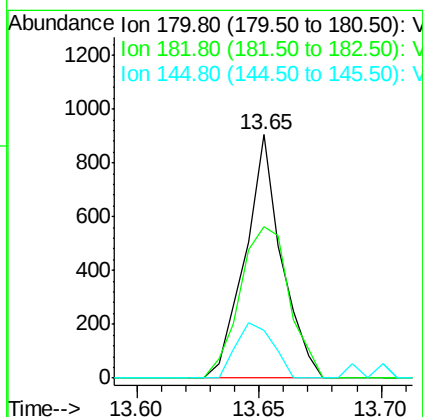
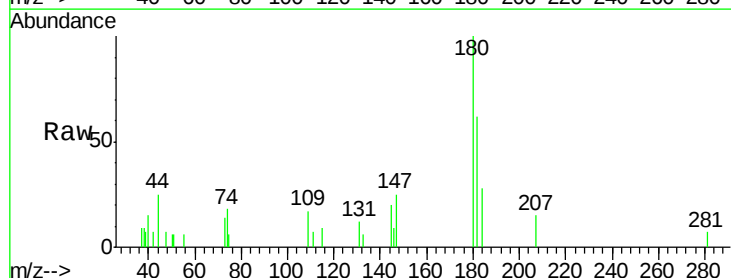
Instrument :
 MSVOA_X
 ClientSampleId :
 ROBEL-2

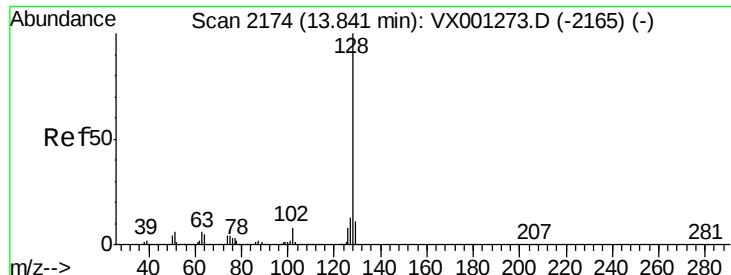
Tgt Ion:105 Resp: 1697
 Ion Ratio Lower Upper
 105 100
 120 50.9 22.7 68.1



#93
 1,2,4-Trichlorobenzene
 Concen: 0.28 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001280.D
 Acq: 01 May 2018 15:50

Tgt Ion:180 Resp: 935
 Ion Ratio Lower Upper
 180 100
 182 84.8 47.3 141.9
 145 23.2 13.5 40.4

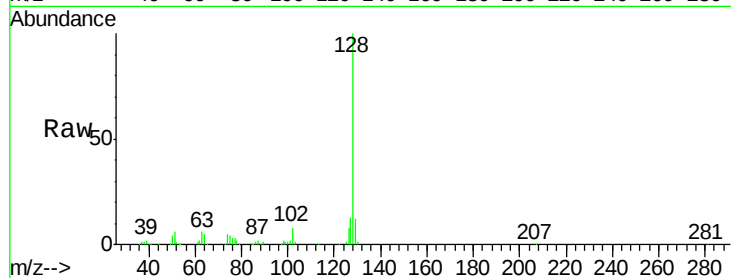




#95
Naphthalene
Concen: 7.52 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001280.D
Acq: 01 May 2018 15:50

Instrument :
MSVOA_X
ClientSampleId :
ROBEL-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.4	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

