

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051618\
 Data File : VX001761.D
 Acq On : 16 May 2018 12:03
 Operator : JC/MD
 Sample : VX0516MBL01
 Misc : 5.00g/10mL/100ul/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBL01

Quant Time: May 17 02:53:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	116575	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	145072	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
35) Dibromofluoromethane	5.51	113	122817	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
50) Toluene-d8	8.72	98	435075	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
62) 4-Bromofluorobenzene	11.14	95	117953	33.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.94%	

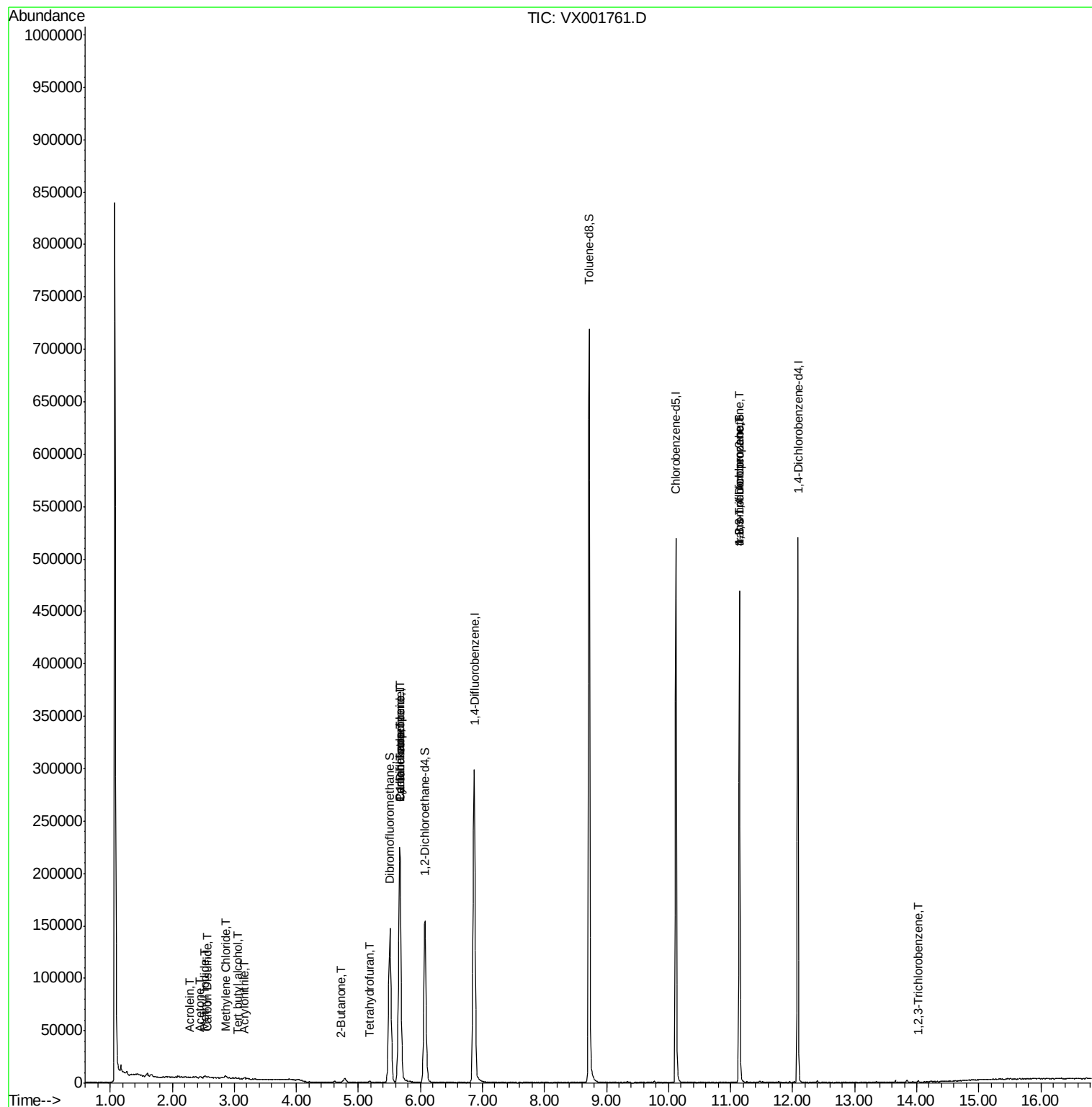
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	97	Below Cal	#	1
10) Methyl Iodide	2.52	142	1873	0.82	ug/l	97
11) Tert butyl alcohol	3.06	59	214	0.37	ug/l #	72
13) Acrolein	2.29	56	263	0.65	ug/l #	47
15) Acrylonitrile	3.16	53	637	0.44	ug/l #	78
16) Acetone	2.44	43	742	0.58	ug/l #	87
17) Carbon Disulfide	2.57	76	1254	0.20	ug/l #	91
20) Methylene Chloride	2.86	84	1175	0.43	ug/l #	87
25) 2-Butanone	4.71	43	410	0.21	ug/l #	51
29) Tetrahydrofuran	5.18	42	869	0.68	ug/l #	87
31) Cyclohexane	5.67	56	3875	0.95	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14416	3.92	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19938	5.18	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	56094	25.30	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	56094	73.73	ug/l #	10
96) 1,2,3-Trichlorobenzene	14.03	180	689	0.21	ug/l	87

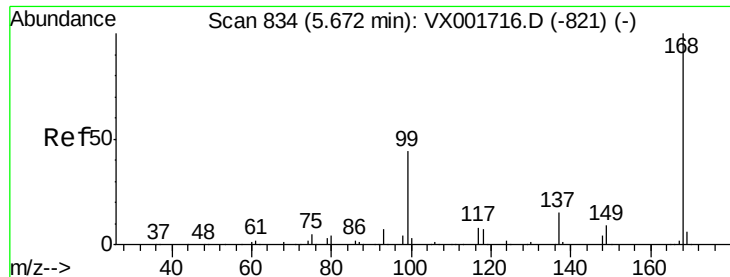
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

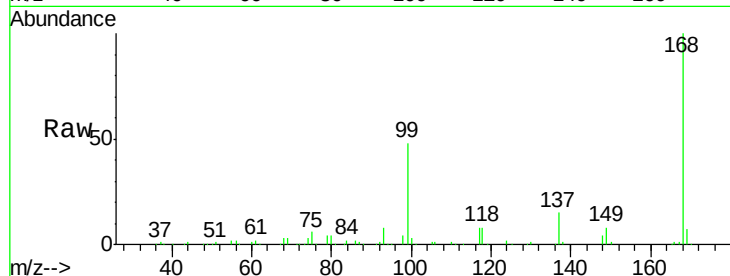
VX0516MBL01

Tgt Ion:168 Resp: 241568

Ion Ratio Lower Upper

168 100

99 47.5 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

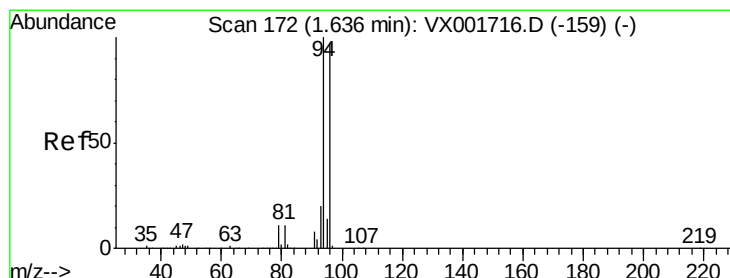
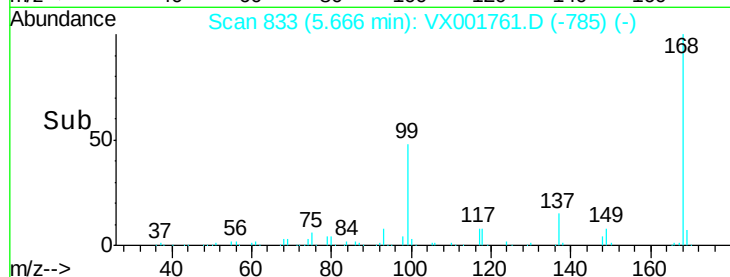
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX001761.D

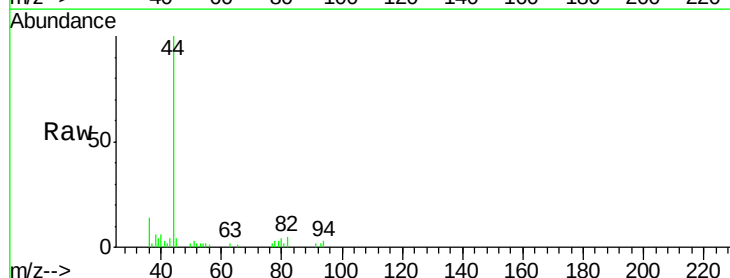
Acq: 16 May 2018 12:03

Tgt Ion: 94 Resp: 97

Ion Ratio Lower Upper

94 100

96 0.0 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

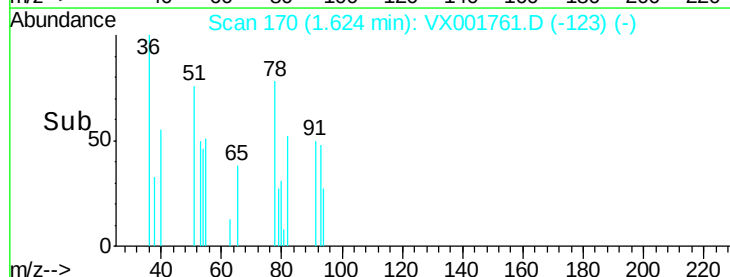
150

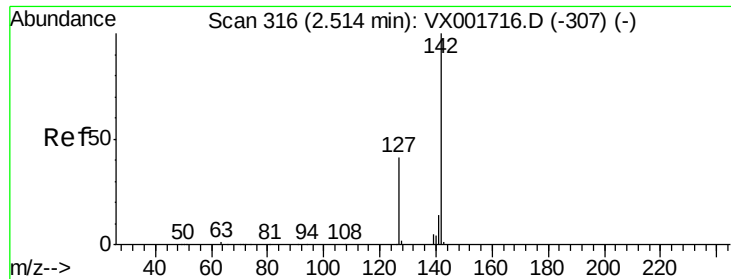
100

50

0

Time--> 1.60 1.61 1.62 1.63

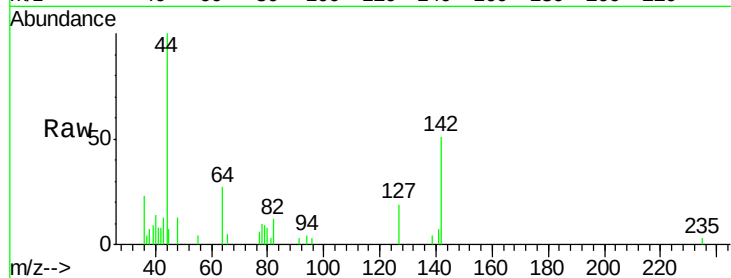




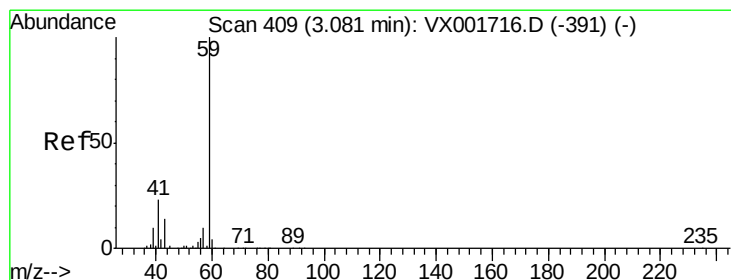
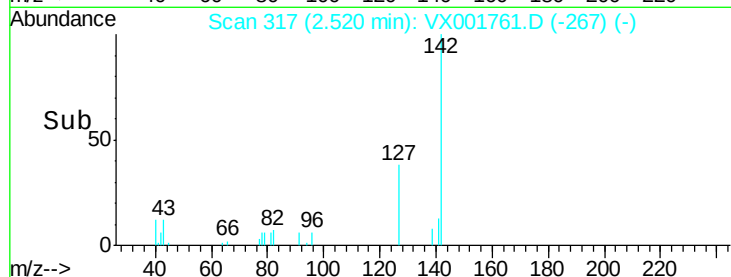
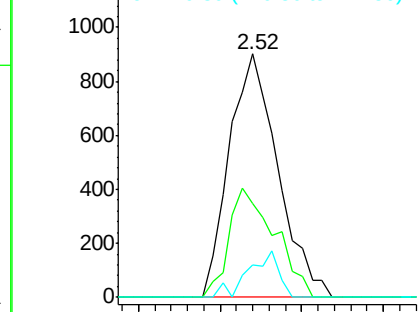
#10
Methyl Iodide
Concen: 0.82 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001761.D
Acq: 16 May 2018 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBL01

Tgt Ion:142 Resp: 1873
Ion Ratio Lower Upper
142 100
127 42.0 32.5 48.7
141 11.9 11.4 17.0

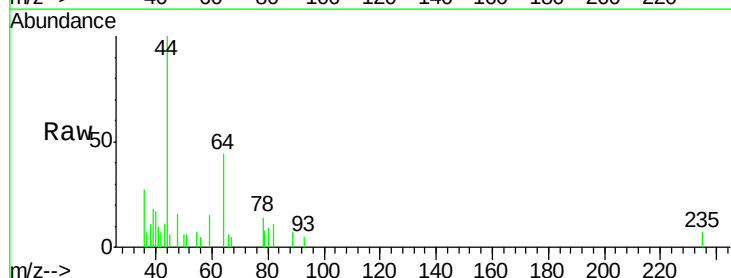


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

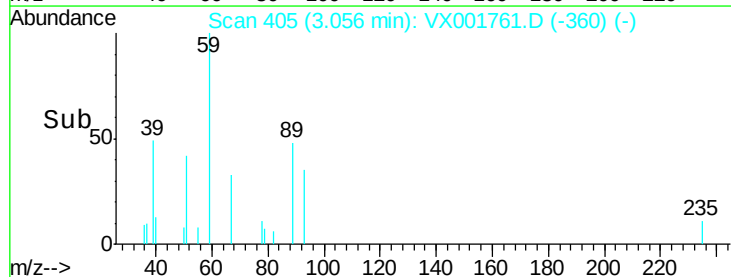
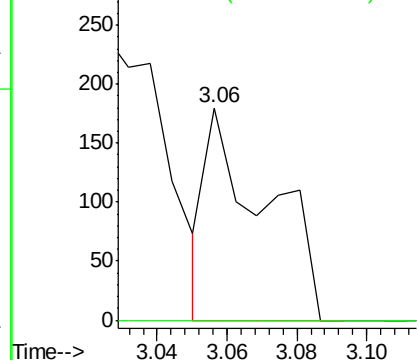


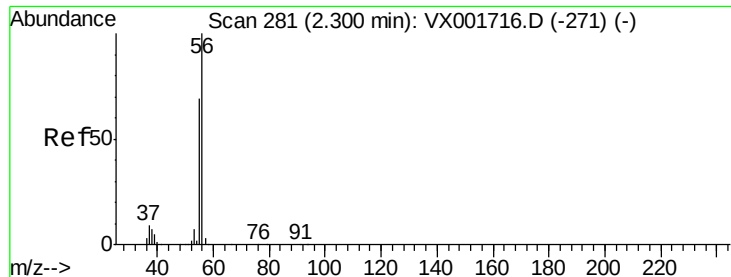
#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX001761.D
Acq: 16 May 2018 12:03

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.65 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

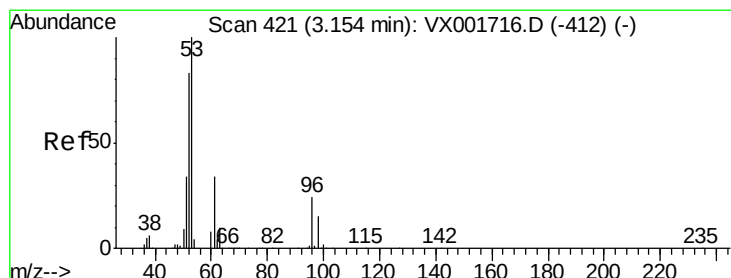
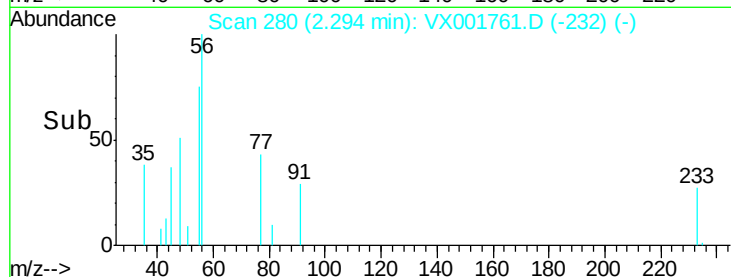
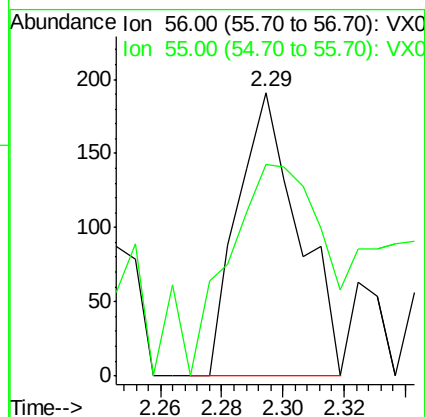
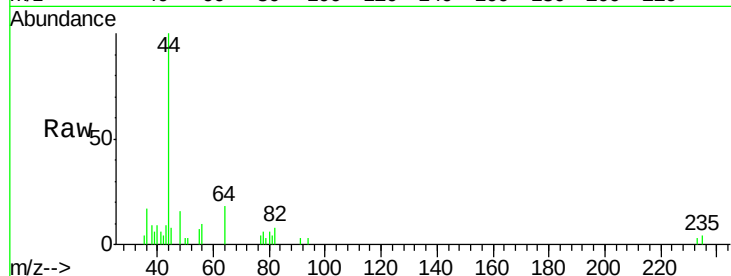
VX0516MBL01

Tgt Ion: 56 Resp: 263

Ion Ratio Lower Upper

56 100

55 114.1 56.2 84.2#



#15

Acrylonitrile

Concen: 0.44 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

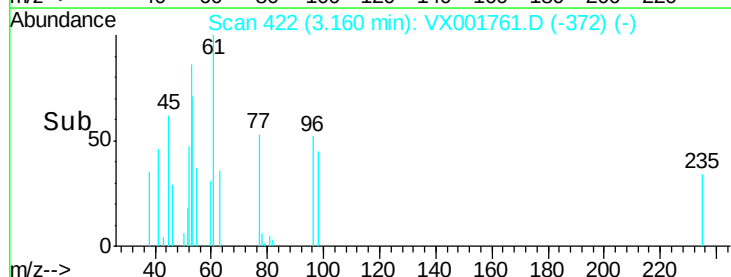
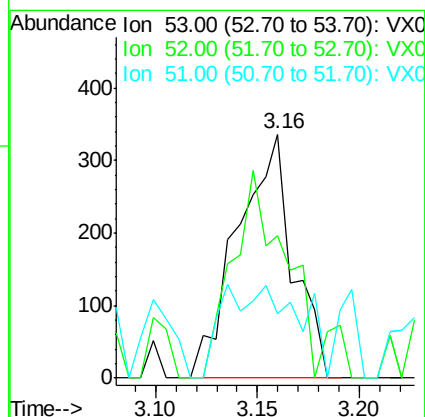
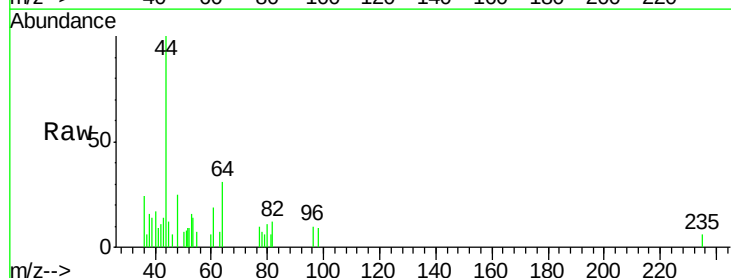
Tgt Ion: 53 Resp: 637

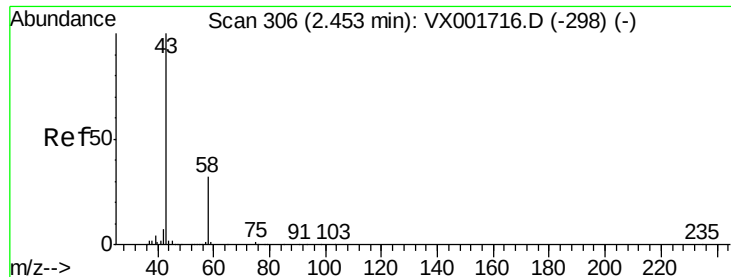
Ion Ratio Lower Upper

53 100

52 87.3 65.6 98.4

51 0.0 28.1 42.1#





#16

Acetone

Concen: 0.58 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

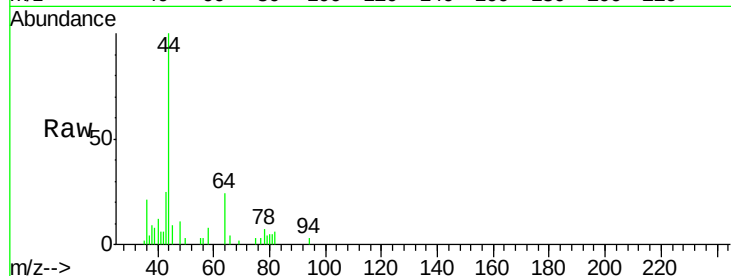
VX0516MBL01

Tgt Ion: 43 Resp: 742

Ion Ratio Lower Upper

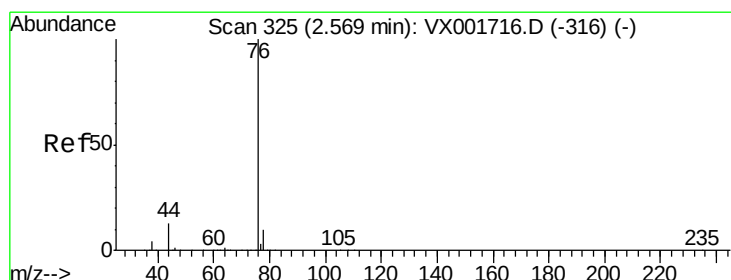
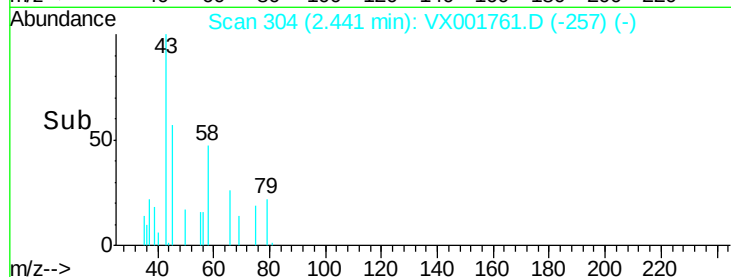
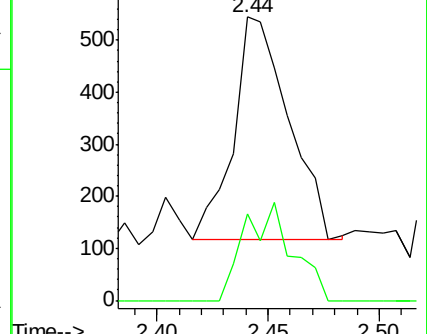
43 100

58 39.0 25.3 37.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001761.D

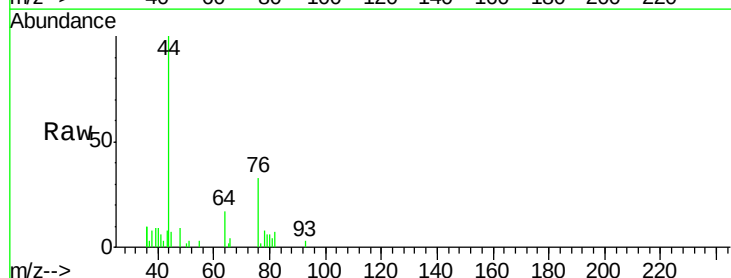
Acq: 16 May 2018 12:03

Tgt Ion: 76 Resp: 1254

Ion Ratio Lower Upper

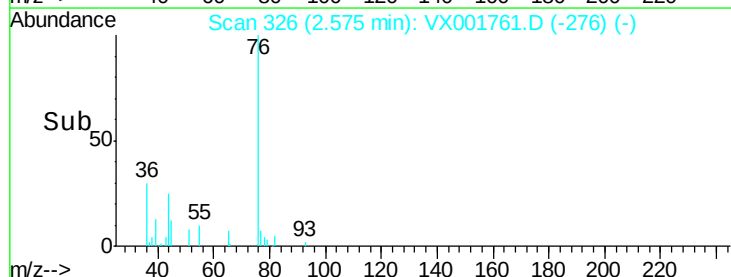
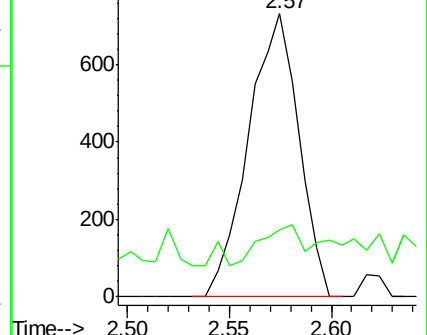
76 100

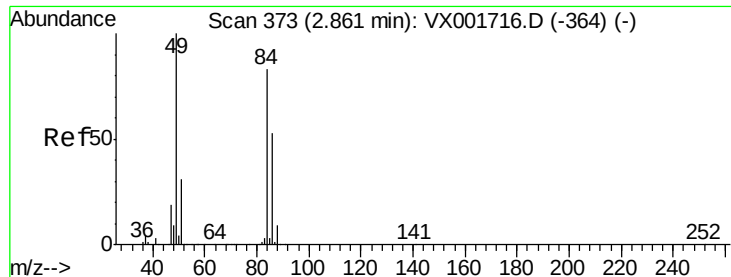
78 12.7 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

VX0516MBL01

Tgt Ion: 84 Resp: 1175

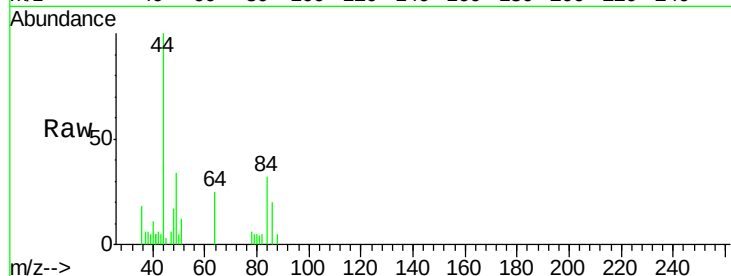
Ion Ratio Lower Upper

84 100

49 104.0 96.3 144.5

51 22.3 29.8 44.6#

86 63.0 51.0 76.6

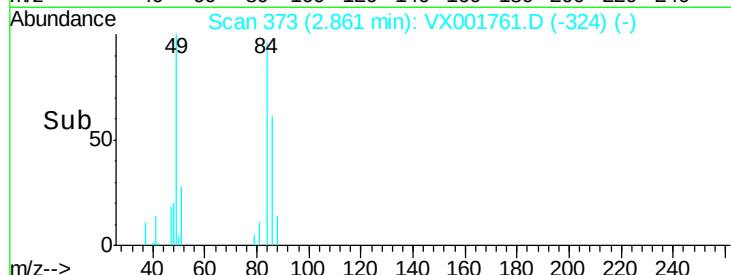
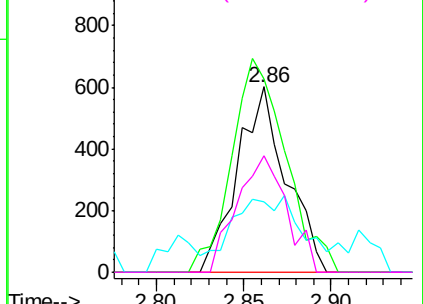


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001761.D

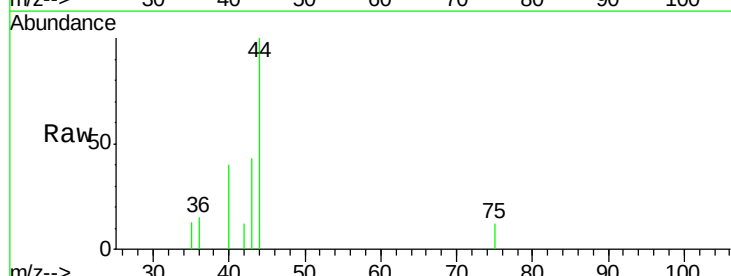
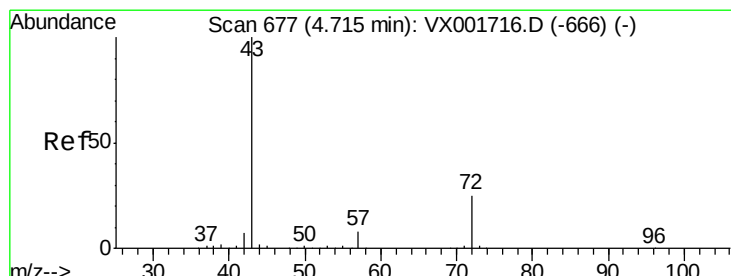
Acq: 16 May 2018 12:03

Tgt Ion: 43 Resp: 410

Ion Ratio Lower Upper

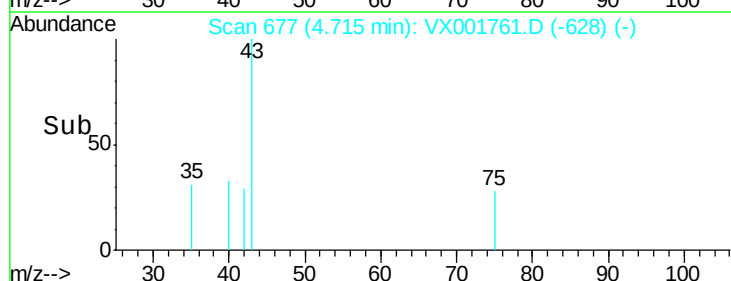
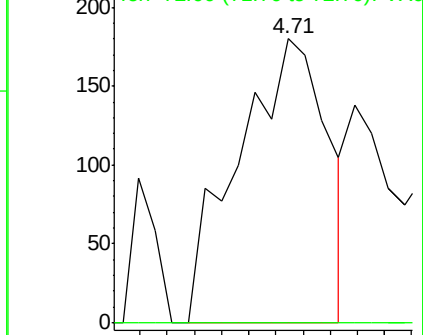
43 100

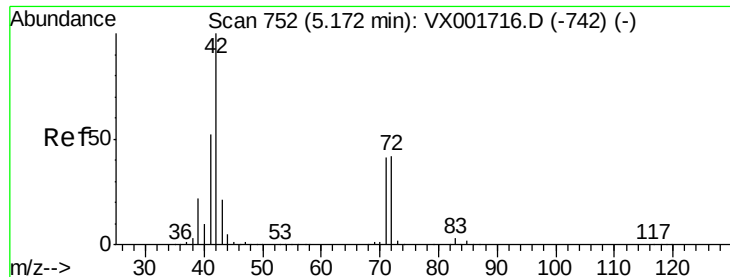
72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.68 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampled :

VX0516MBL01

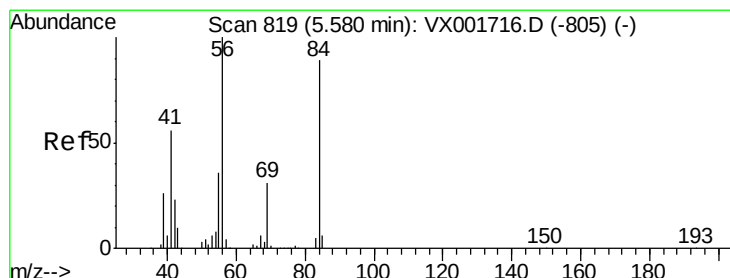
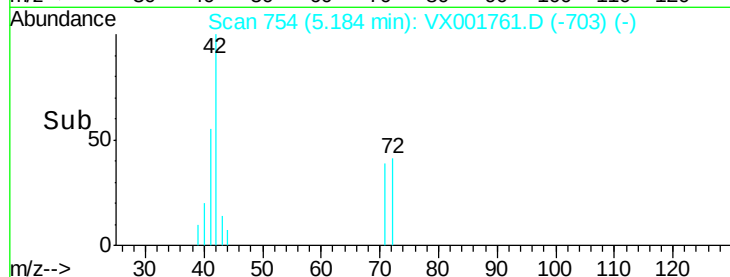
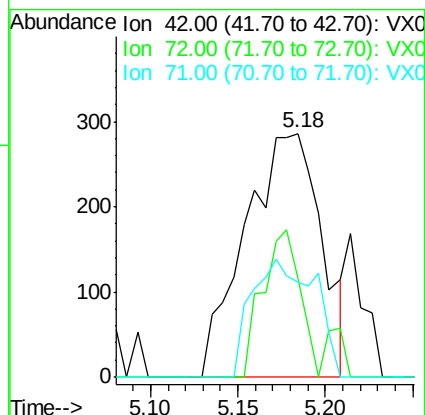
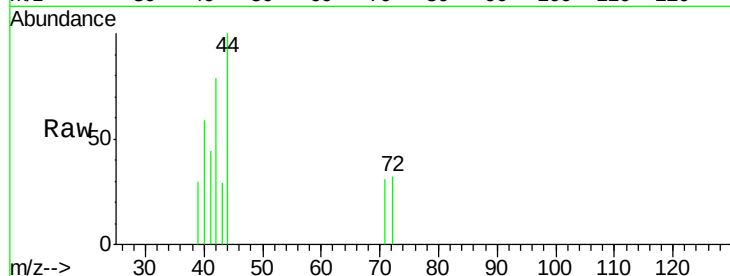
Tgt Ion: 42 Resp: 869

Ion Ratio Lower Upper

42 100

72 29.7 35.4 53.2#

71 40.3 33.2 49.8



#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

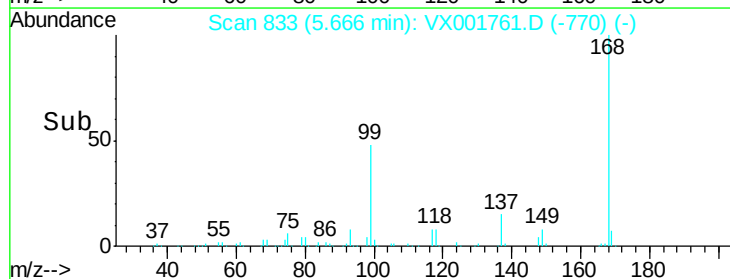
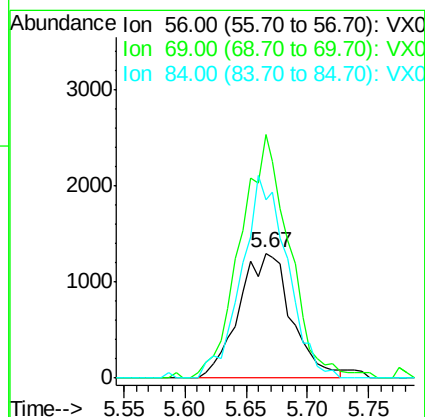
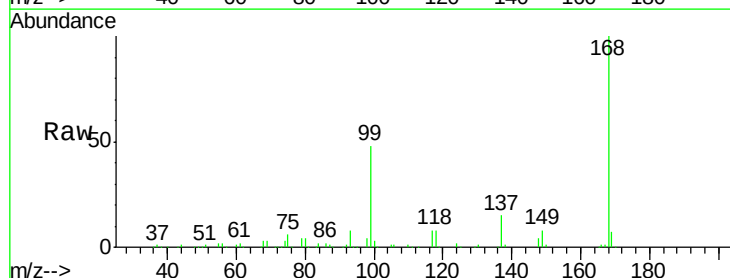
Tgt Ion: 56 Resp: 3875

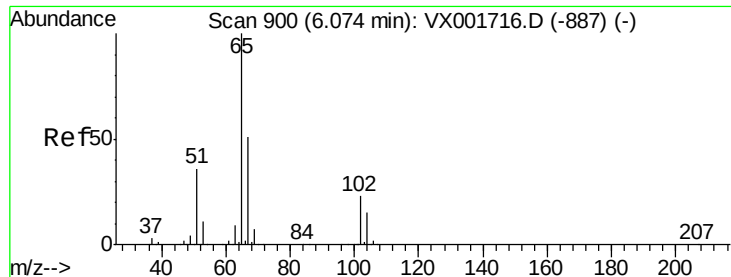
Ion Ratio Lower Upper

56 100

69 194.7 25.0 37.6#

84 142.7 71.0 106.4#

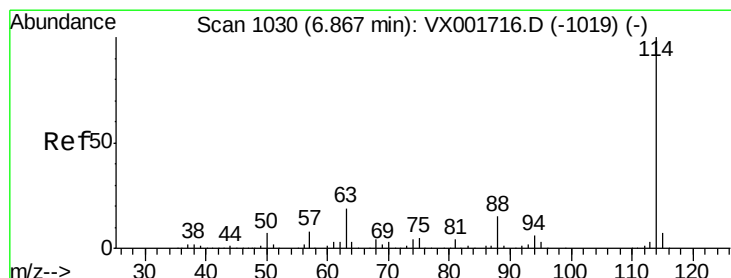
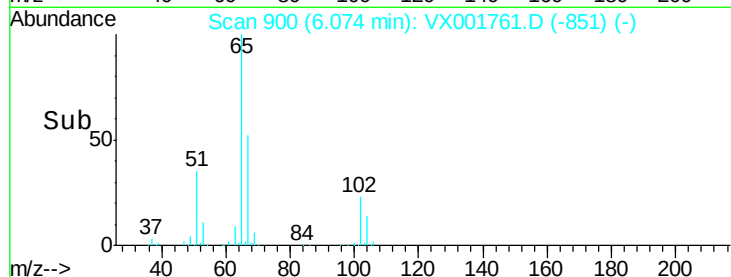
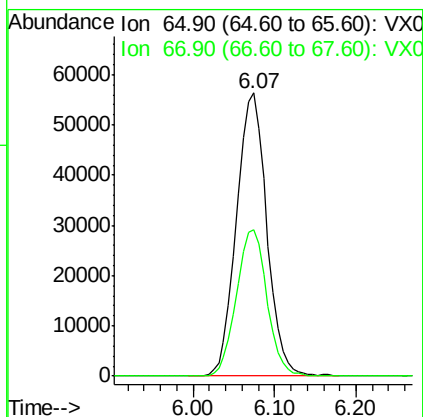
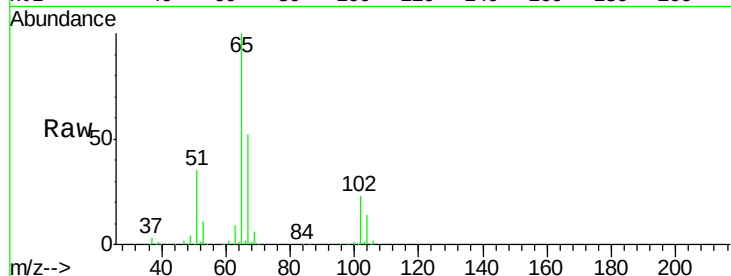




#33
 1,2-Dichloroethane-d4
 Concen: 44.80 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001761.D
 Acq: 16 May 2018 12:03

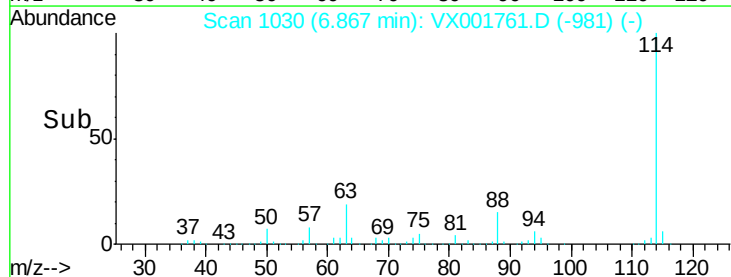
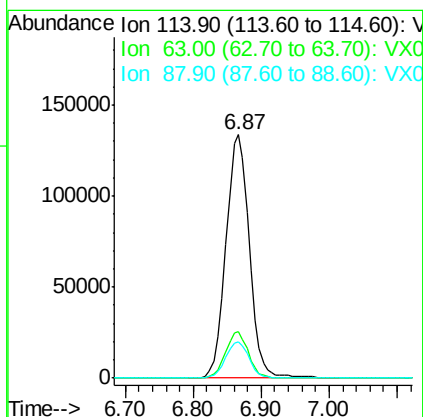
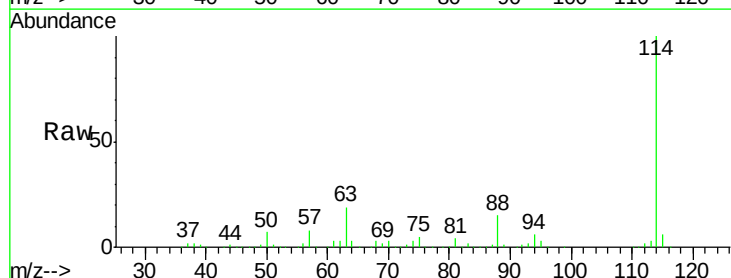
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBL01

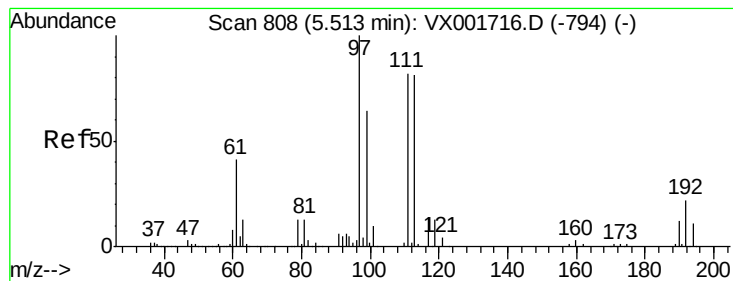
Tgt Ion: 65 Resp: 145072
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001761.D
 Acq: 16 May 2018 12:03

Tgt Ion: 114 Resp: 319109
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.0
 88 14.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 45.61 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBL01

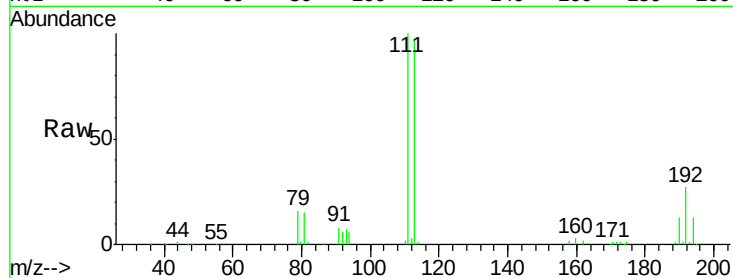
Tgt Ion:113 Resp: 122817

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

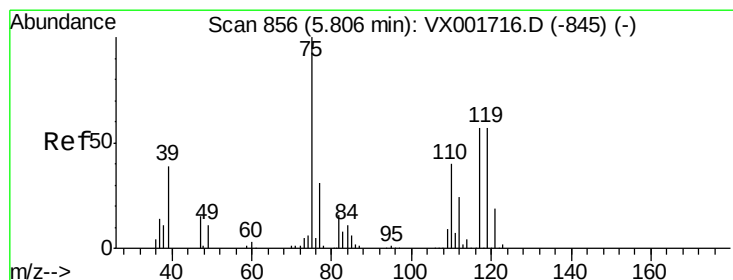
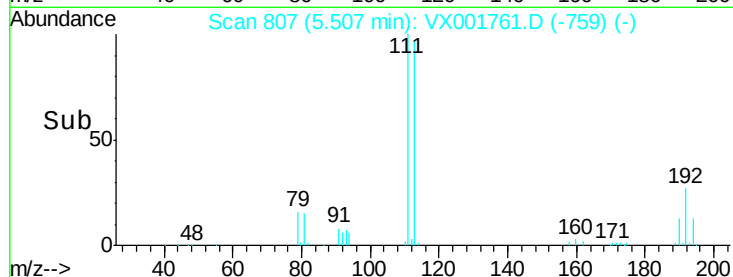
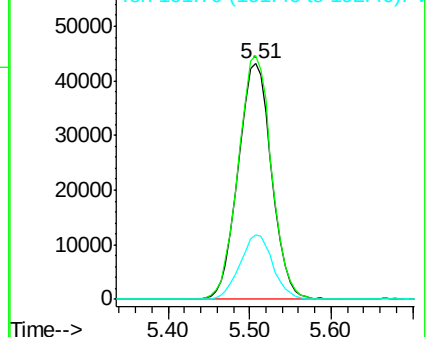
192 27.1 21.6 32.4



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: 3.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

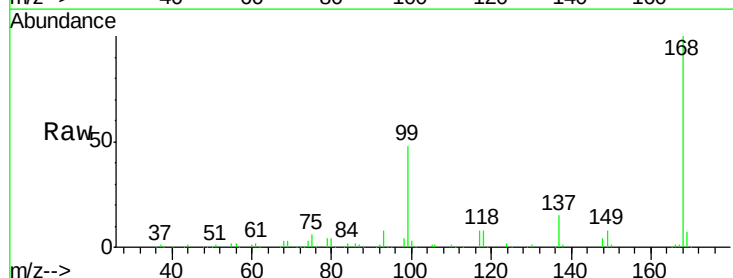
Tgt Ion: 75 Resp: 14416

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.1#

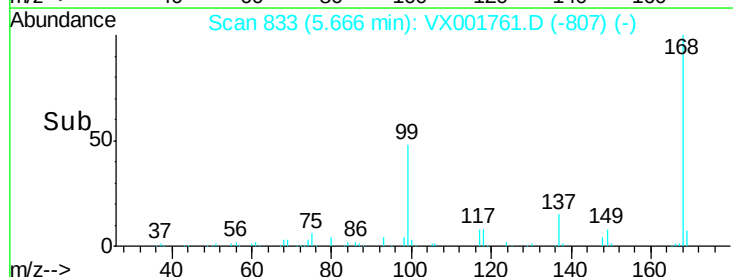
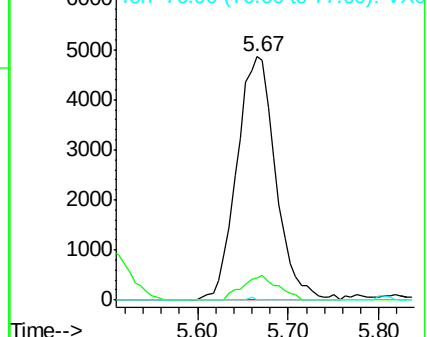
77 0.1 24.6 37.0#

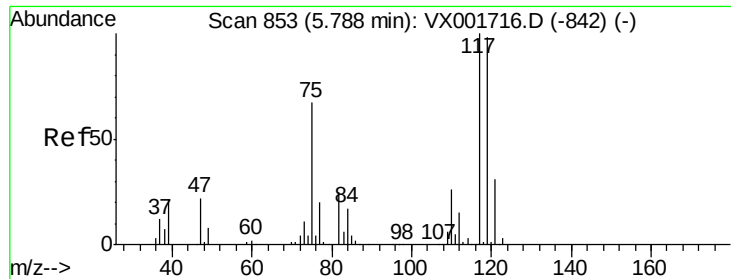


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

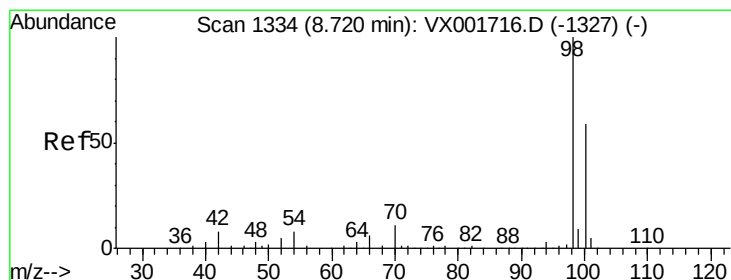
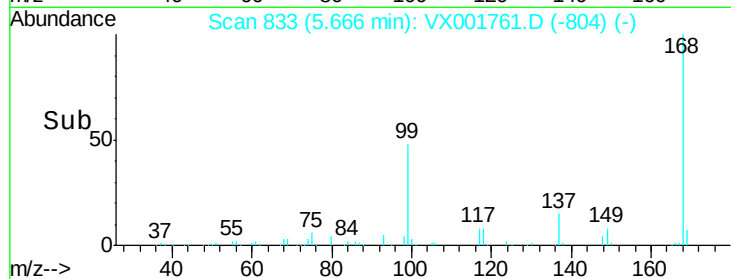
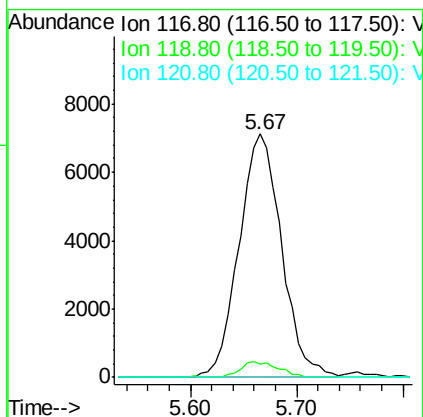
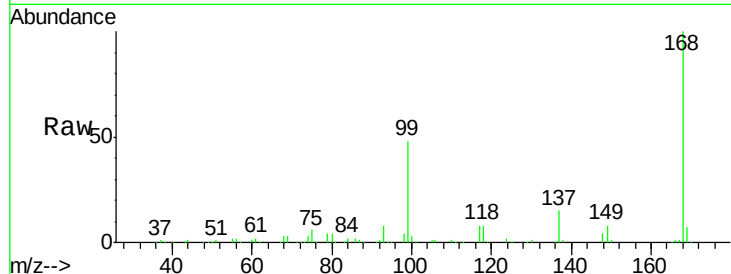




#38
Carbon Tetrachloride
Concen: 5.18 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001761.D
Acq: 16 May 2018 12:03

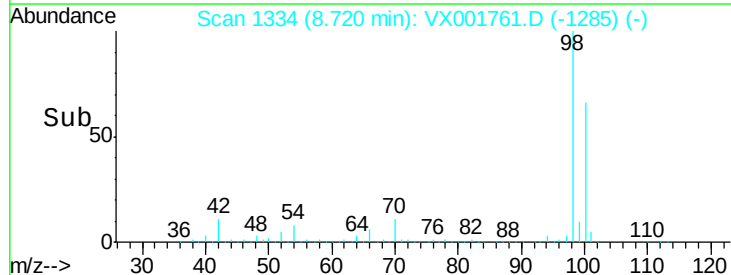
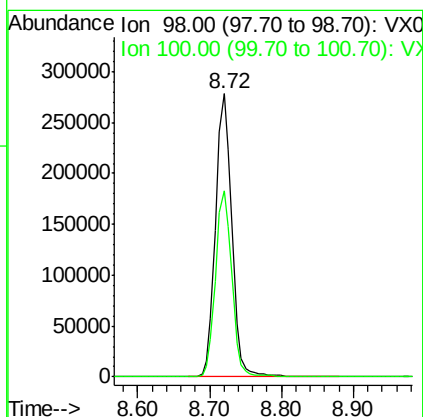
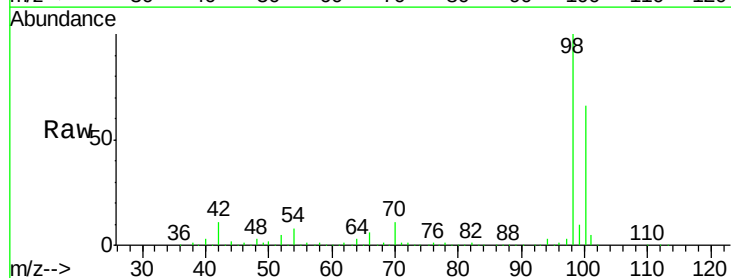
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBL01

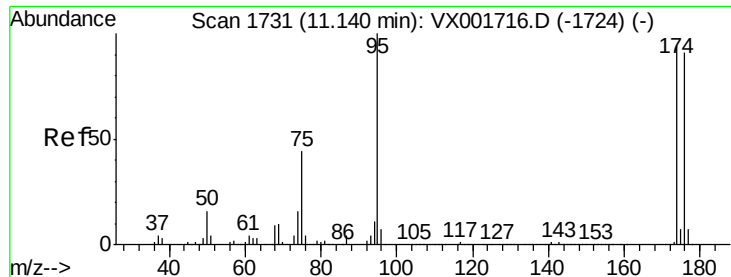
Tgt Ion: 117 Resp: 19938
Ion Ratio Lower Upper
117 100
119 5.2 77.6 116.4#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 45.11 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001761.D
Acq: 16 May 2018 12:03

Tgt Ion: 98 Resp: 435075
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0





#62

4-Bromofluorobenzene

Concen: 33.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBL01

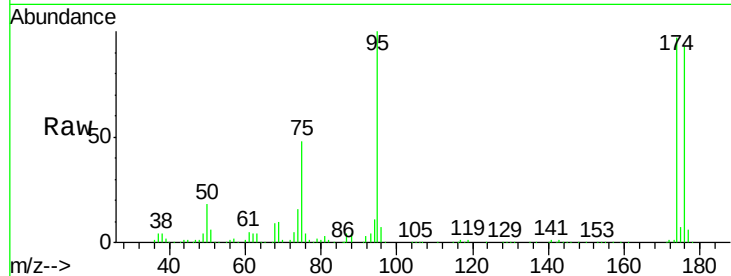
Tgt Ion: 95 Resp: 117953

Ion Ratio Lower Upper

95 100

174 103.1 0.0 201.8

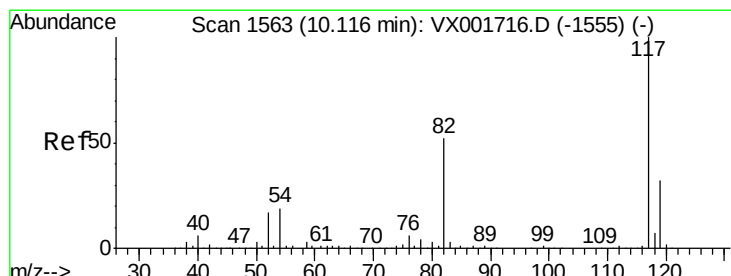
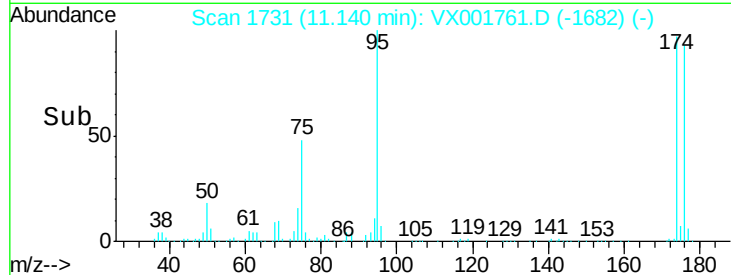
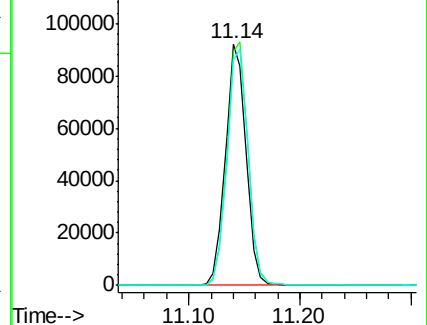
176 99.8 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001761.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001761.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001761.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

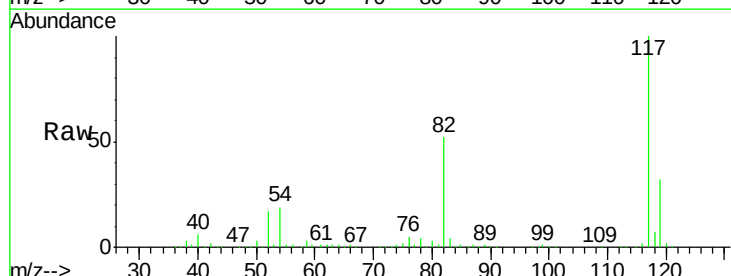
Tgt Ion: 117 Resp: 253551

Ion Ratio Lower Upper

117 100

82 51.8 41.4 62.2

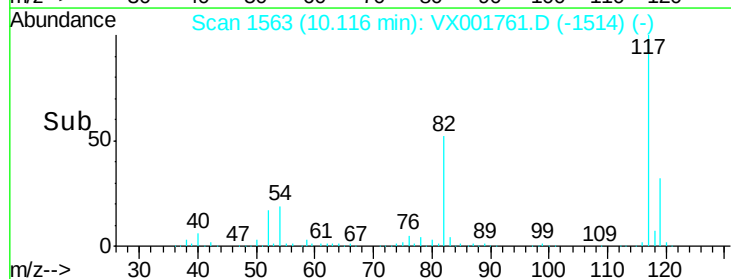
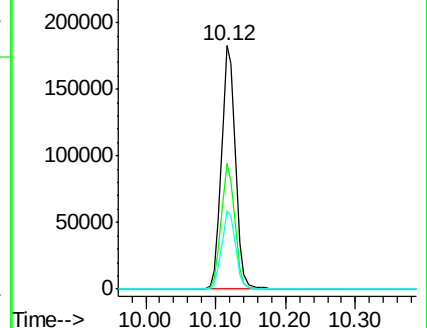
119 32.2 25.6 38.4

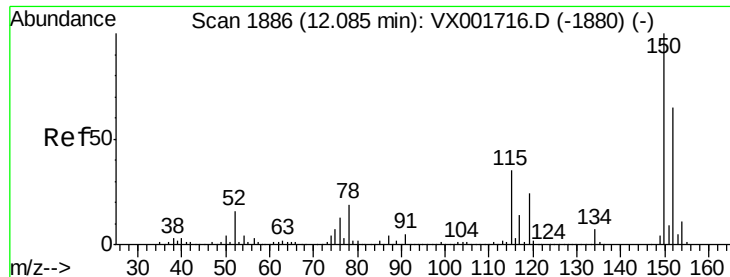


Abundance Ion 116.90 (116.60 to 117.60): VX001761.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001761.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001761.D (-1555) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBL01

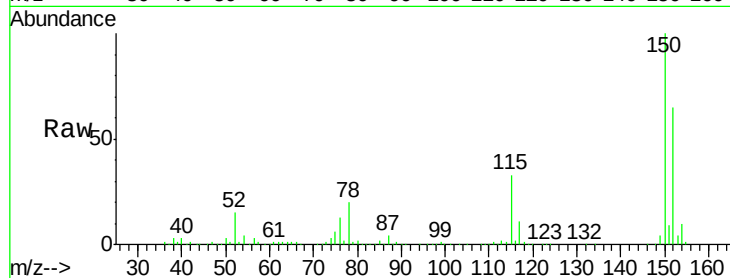
Tgt Ion:152 Resp: 116575

Ion Ratio Lower Upper

152 100

115 52.2 37.4 112.2

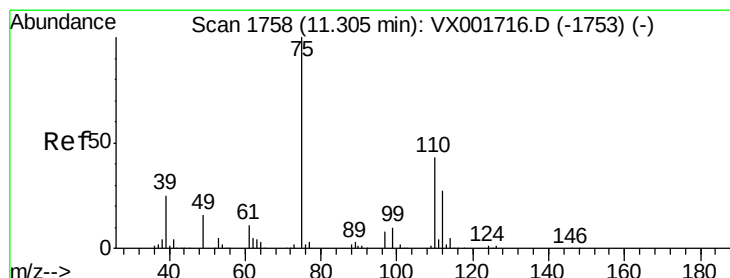
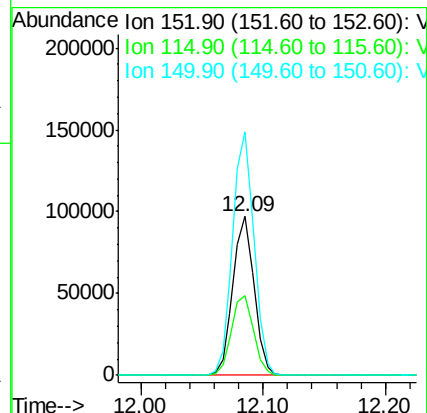
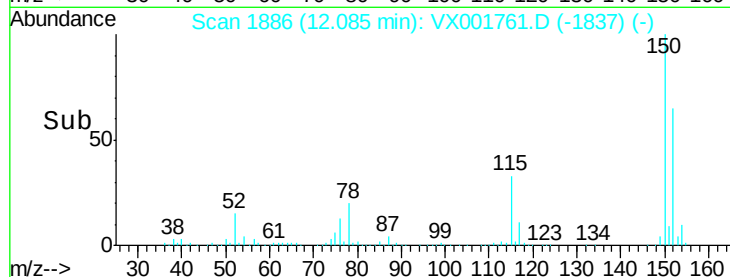
150 153.9 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001761.D

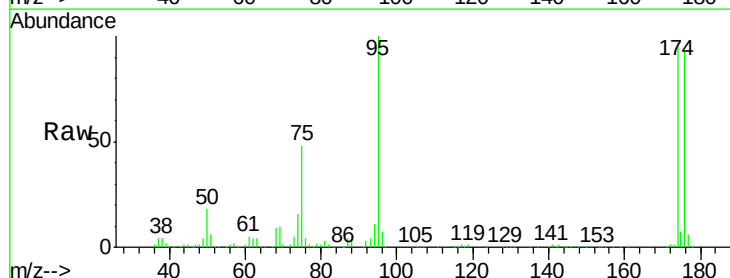
Acq: 16 May 2018 12:03

Tgt Ion: 75 Resp: 56094

Ion Ratio Lower Upper

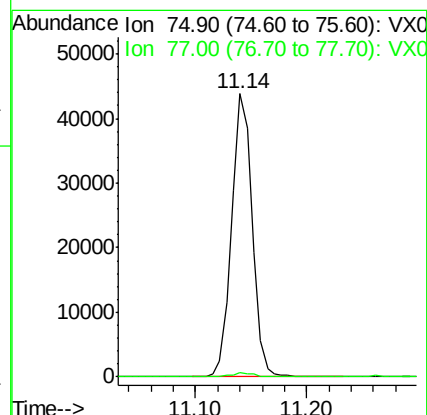
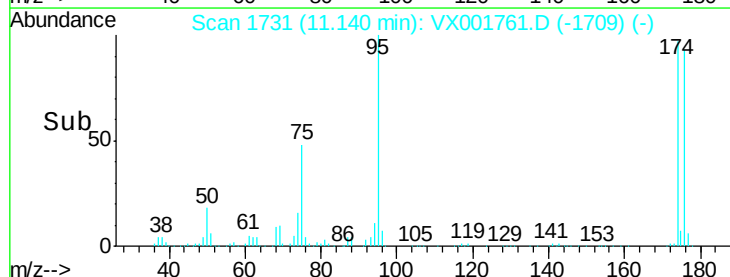
75 100

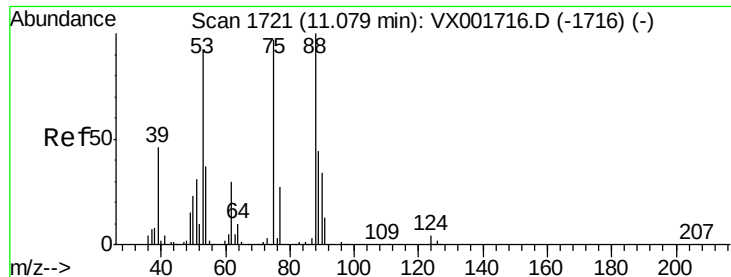
77 1.6 18.9 56.7#



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: 73.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBL01

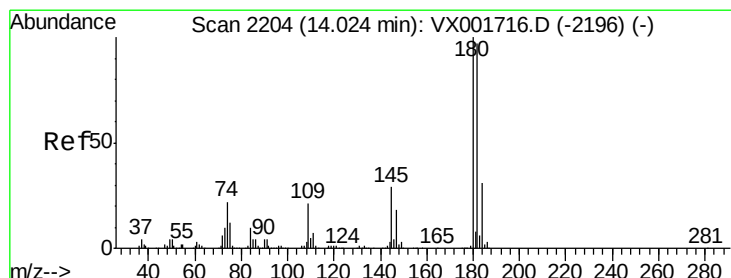
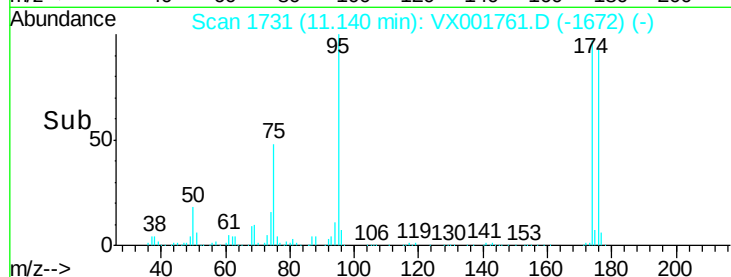
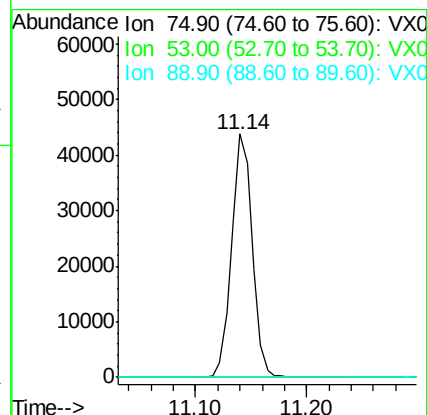
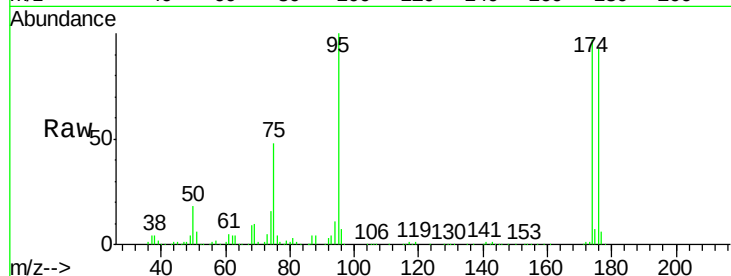
Tgt Ion: 75 Resp: 56094

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.2#

89 0.0 38.8 58.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.21 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001761.D

Acq: 16 May 2018 12:03

Tgt Ion: 180 Resp: 689

Ion Ratio Lower Upper

180 100

182 85.1 47.9 143.7

145 17.4 14.2 42.8

