

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
 Data File : VX001420.D
 Acq On : 05 May 2018 15:55
 Operator : JC/MD
 Sample : VX0505WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBL01

Quant Time: May 06 08:04:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	190922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	160141	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	
35) Dibromofluoromethane	5.51	113	126900	35.19	ug/l	0.00
Spiked Amount			Recovery	=	70.38%	
50) Toluene-d8	8.72	98	465014	35.33	ug/l	0.00
Spiked Amount			Recovery	=	70.66%	
62) 4-Bromofluorobenzene	11.14	95	164232	32.50	ug/l	0.00
Spiked Amount			Recovery	=	65.00%	

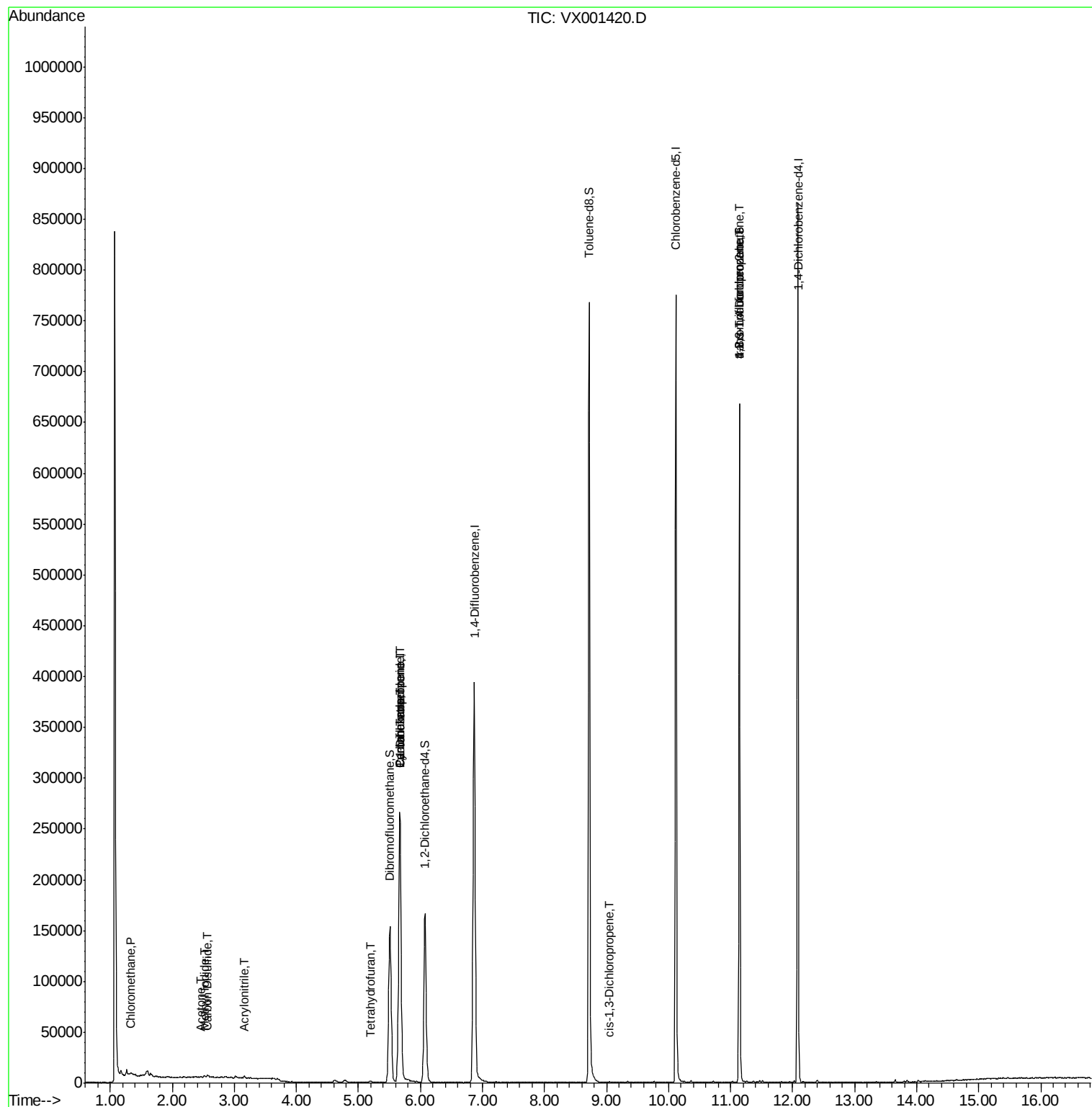
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	765	0.21	ug/l	# 85
5) Bromomethane	1.65	94	1777	Below	Cal	91
10) Methyl Iodide	2.51	142	1656	0.34	ug/l	# 97
13) Acrolein	2.31	56	313	Below	Cal	84
15) Acrylonitrile	3.15	53	798	0.41	ug/l	# 68
16) Acetone	2.45	43	588	0.32	ug/l	91
17) Carbon Disulfide	2.57	76	2597	0.33	ug/l	# 86
29) Tetrahydrofuran	5.19	42	1051	0.62	ug/l	# 67
31) Cyclohexane	5.67	56	5097	0.97	ug/l	# 11
36) 1,1-Dichloropropene	5.67	75	18018	3.49	ug/l	# 48
38) Carbon Tetrachloride	5.66	117	24046	4.37	ug/l	# 17
54) cis-1,3-Dichloropropene	9.05	75	286	2.31	ug/l	# 53
76) 1,2,3-Trichloropropane	11.14	75	83248	21.50	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	83248	66.96	ug/l	# 7

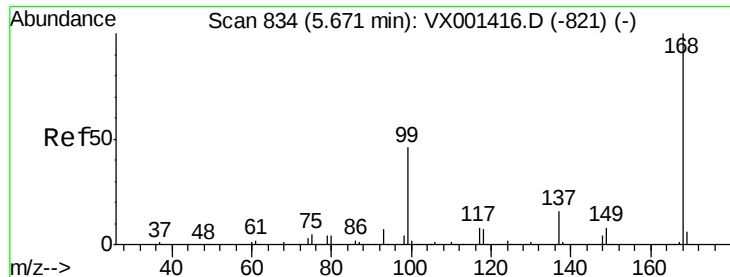
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001420.D

Acq: 05 May 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

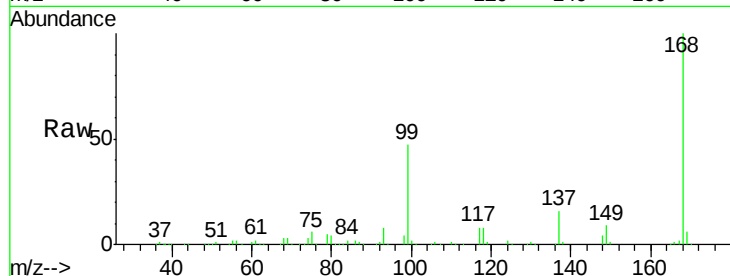
VX0505WBL01

Tgt Ion:168 Resp: 283062

Ion Ratio Lower Upper

168 100

99 46.7 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

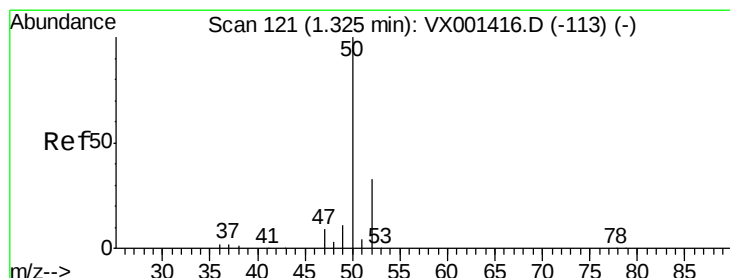
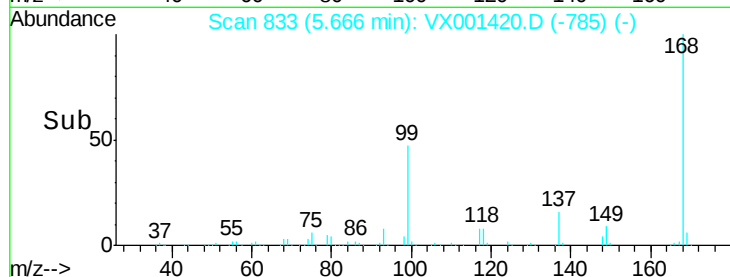
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001420.D

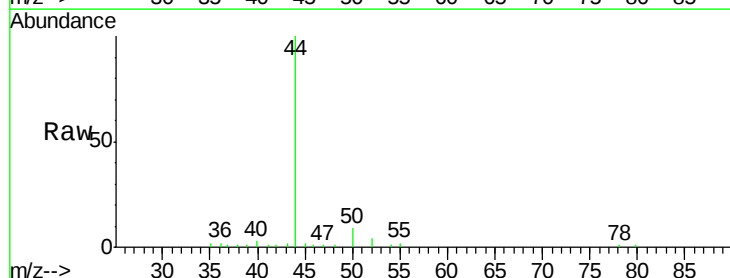
Acq: 05 May 2018 15:55

Tgt Ion: 50 Resp: 765

Ion Ratio Lower Upper

50 100

52 41.1 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

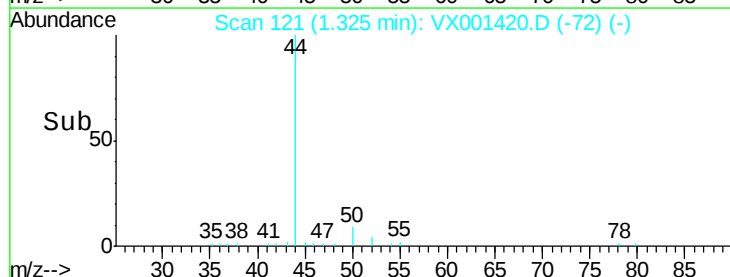
600

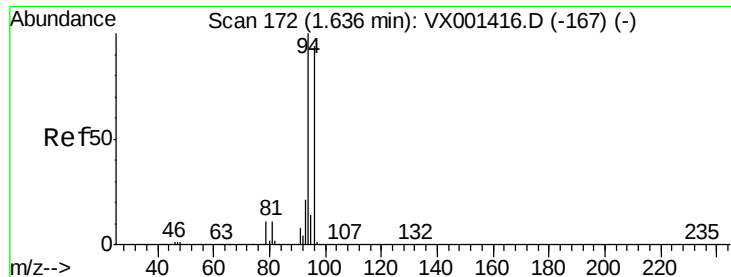
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001420.D

Acq: 05 May 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

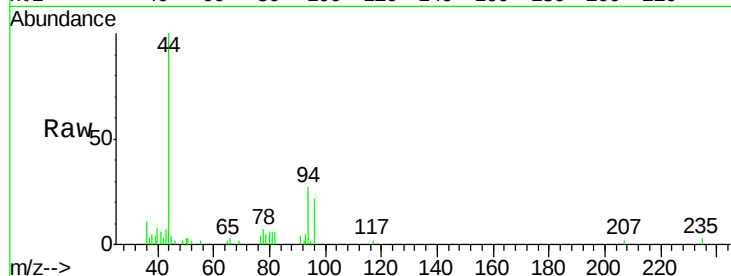
VX0505WBL01

Tgt Ion: 94 Resp: 1777

Ion Ratio Lower Upper

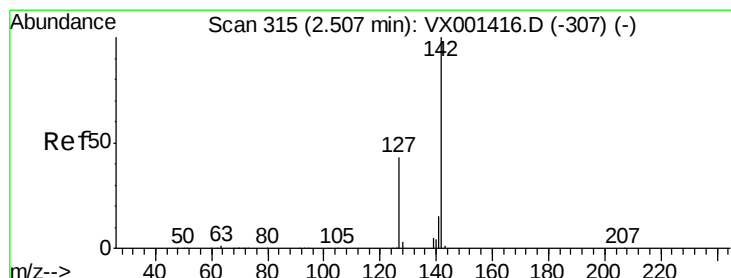
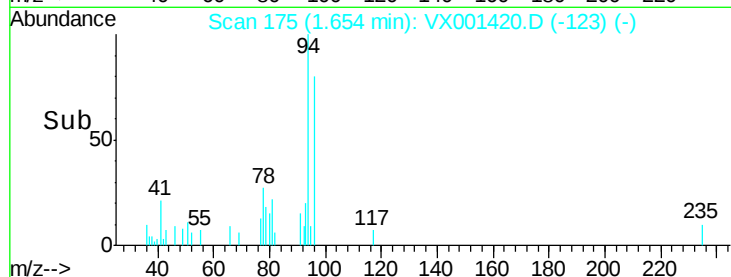
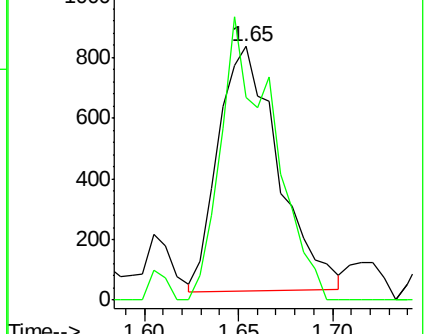
94 100

96 85.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.34 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001420.D

Acq: 05 May 2018 15:55

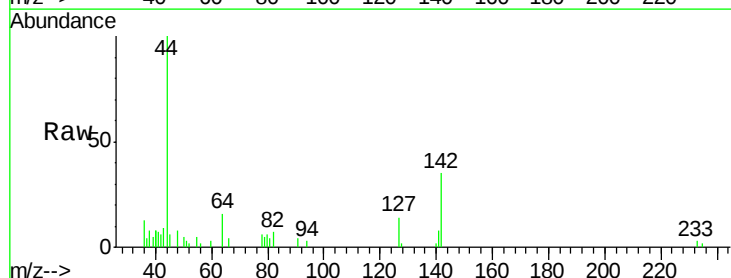
Tgt Ion: 142 Resp: 1656

Ion Ratio Lower Upper

142 100

127 42.4 33.6 50.4

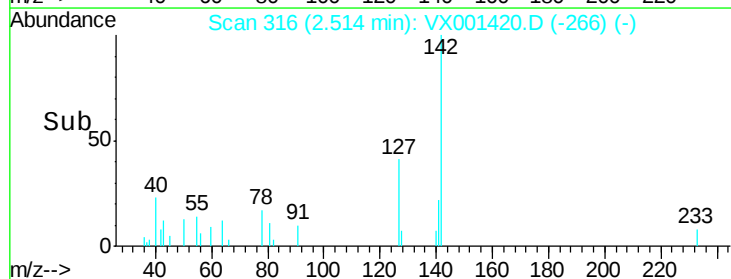
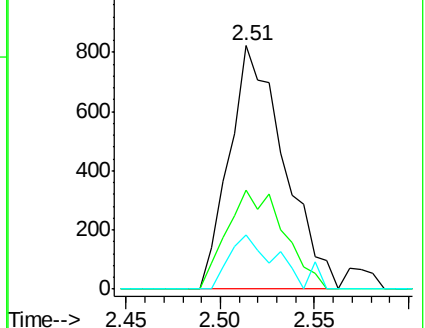
141 17.9 11.4 17.2#

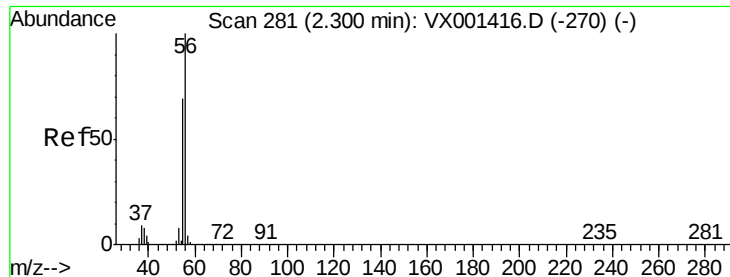


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

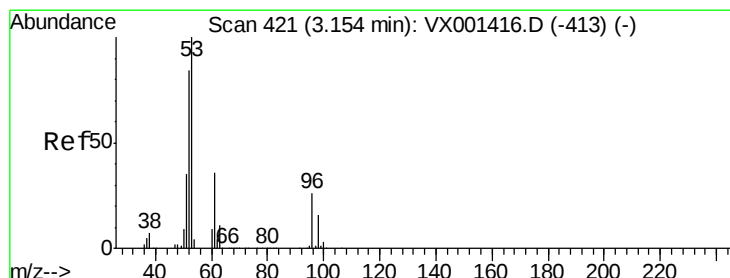
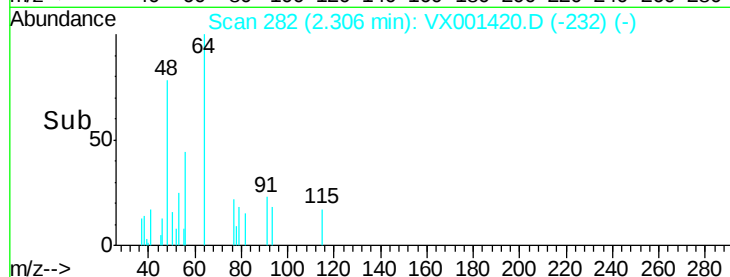
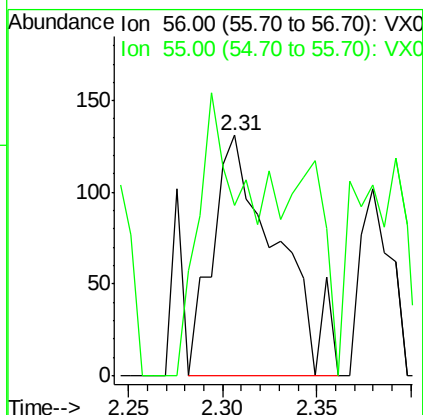
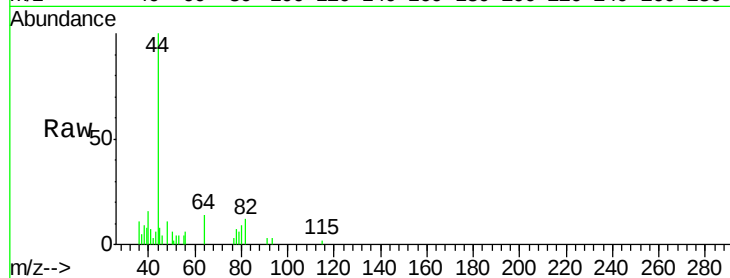




#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001420.D
Acq: 05 May 2018 15:55

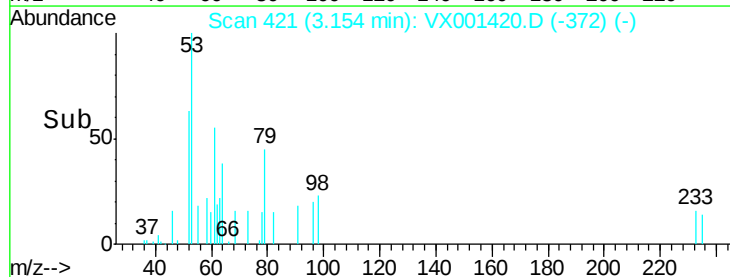
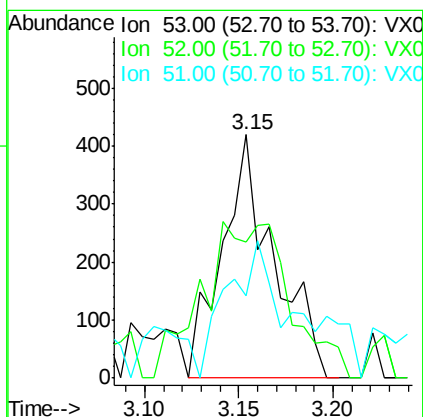
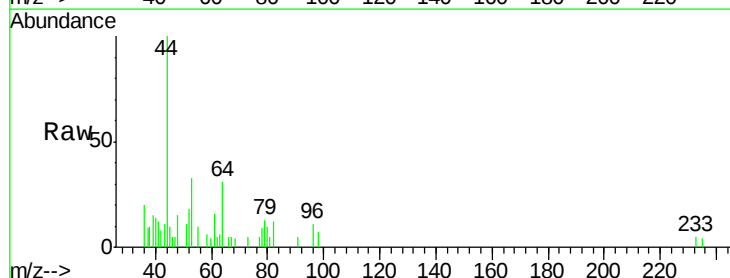
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

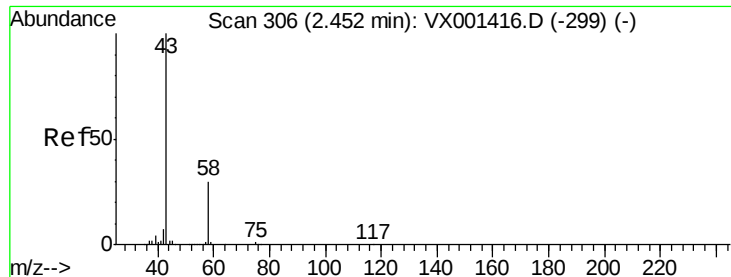
Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 81.2 54.5 81.7



#15
Acrylonitrile
Concen: 0.41 ug/l
RT: 3.15 min Scan# 421
Delta R.T. 0.00 min
Lab File: VX001420.D
Acq: 05 May 2018 15:55

Tgt Ion: 53 Resp: 798
Ion Ratio Lower Upper
53 100
52 58.5 66.2 99.2#
51 62.3 28.6 43.0#





#16

Acetone

Concen: 0.32 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001420.D

Acq: 05 May 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

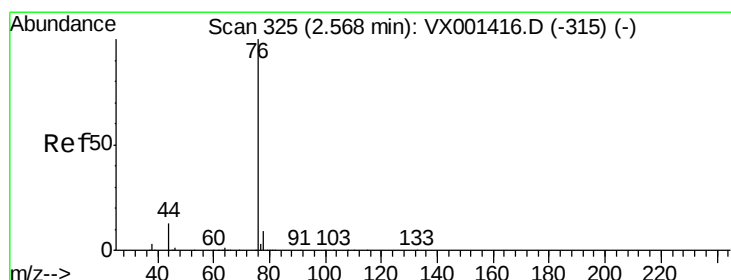
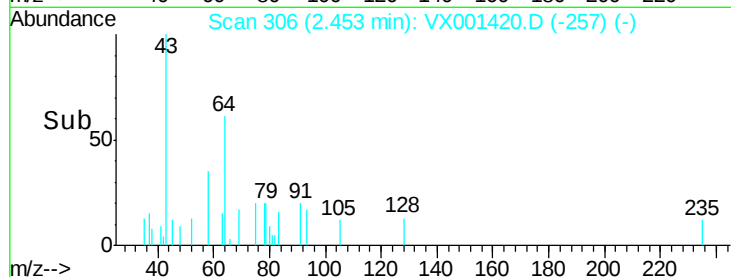
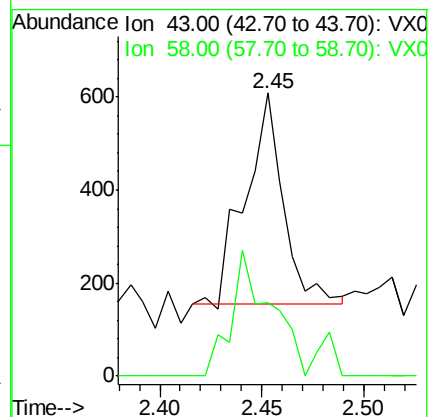
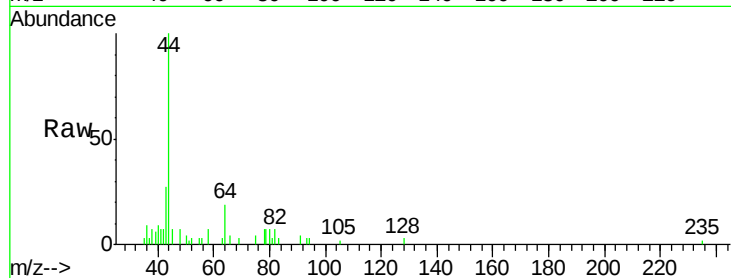
VX0505WBL01

Tgt Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

58 34.7 23.8 35.8



#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001420.D

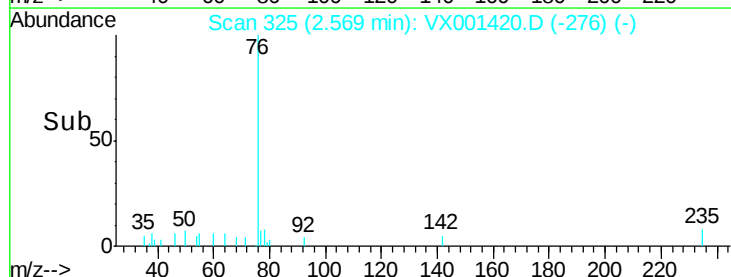
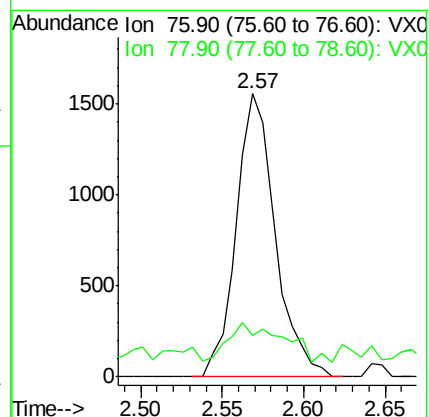
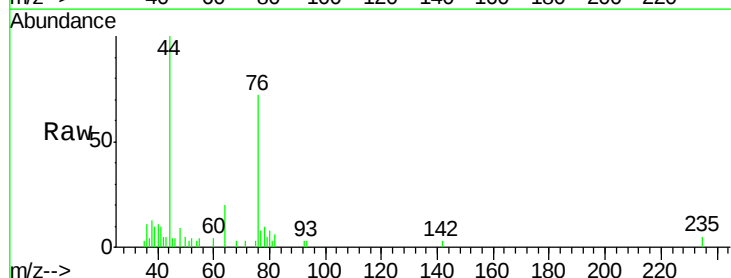
Acq: 05 May 2018 15:55

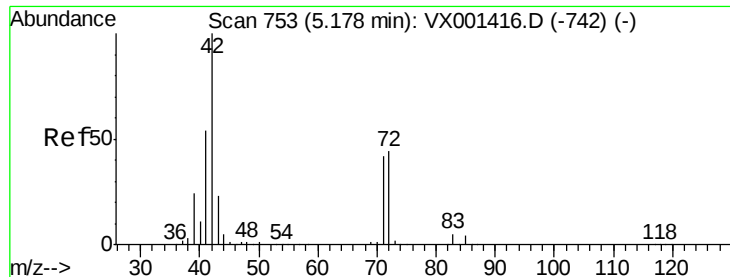
Tgt Ion: 76 Resp: 2597

Ion Ratio Lower Upper

76 100

78 4.1 7.4 11.2#





#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001420.D

Acq: 05 May 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBL01

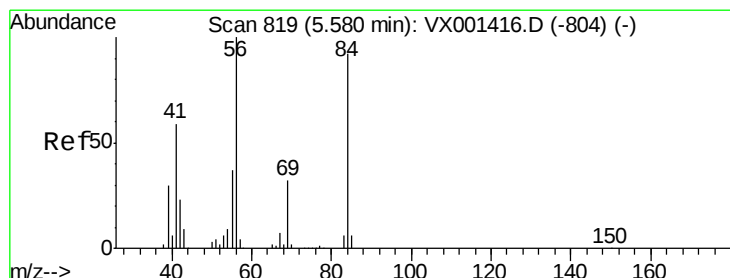
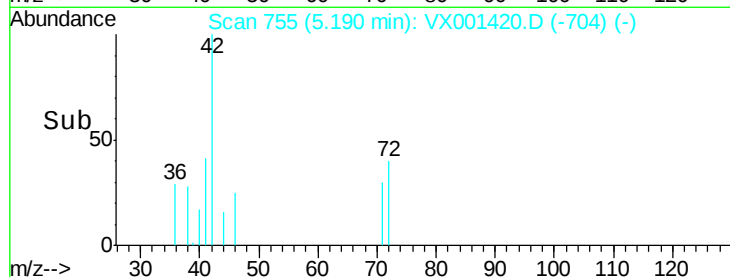
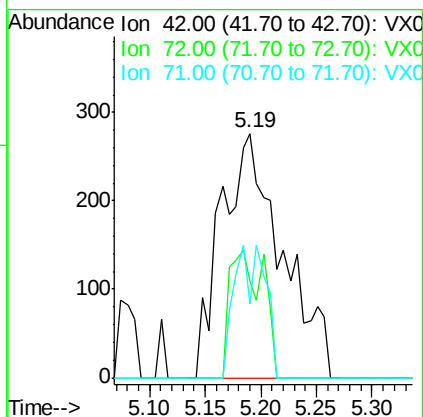
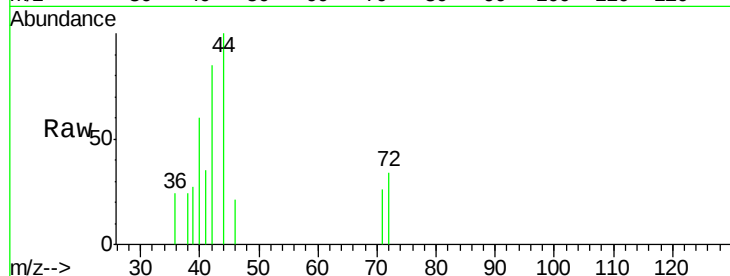
Tgt Ion: 42 Resp: 1051

Ion Ratio Lower Upper

42 100

72 28.4 35.4 53.2#

71 14.7 33.0 49.4#



#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001420.D

Acq: 05 May 2018 15:55

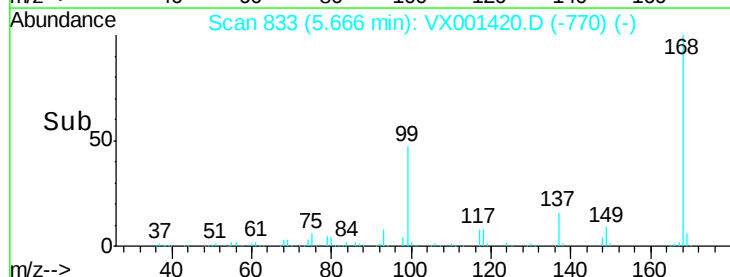
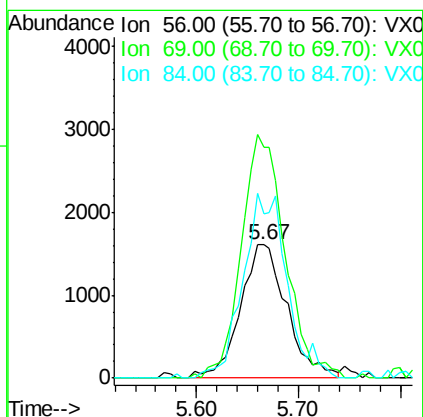
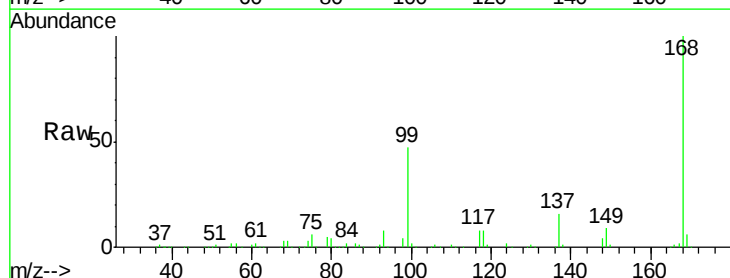
Tgt Ion: 56 Resp: 5097

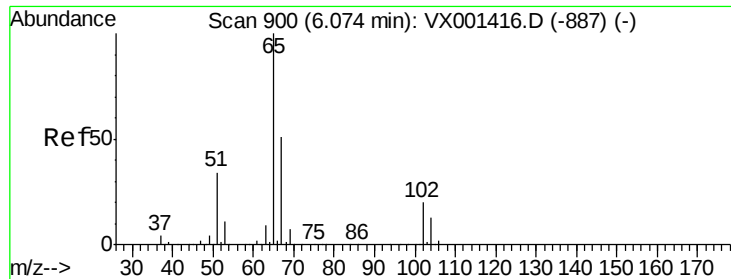
Ion Ratio Lower Upper

56 100

69 173.4 25.4 38.0#

84 122.9 73.8 110.8#

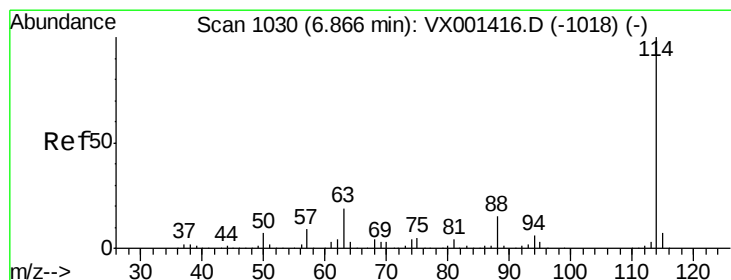
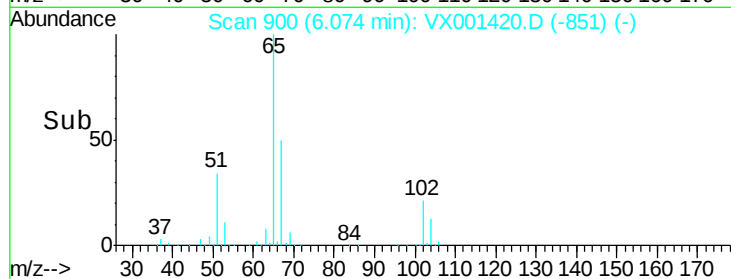
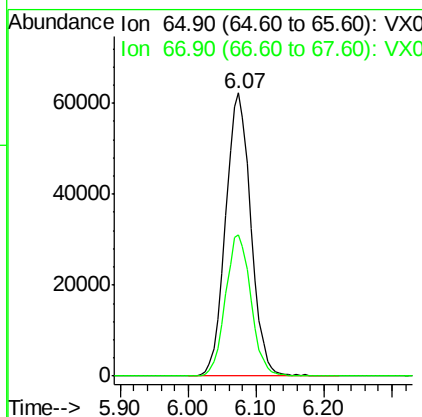
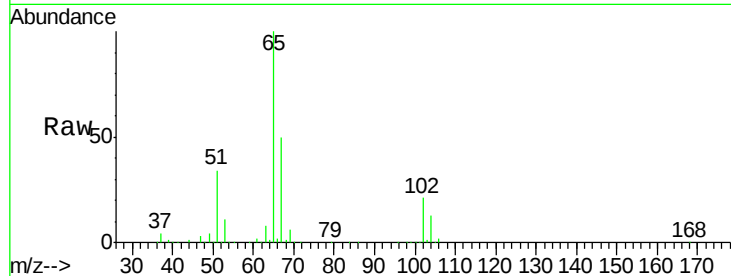




#33
 1,2-Dichloroethane-d4
 Concen: 39.36 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001420.D
 Acq: 05 May 2018 15:55

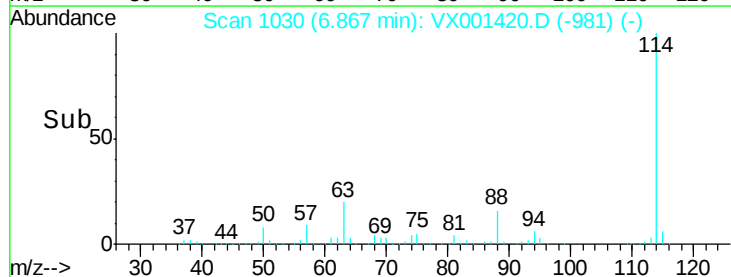
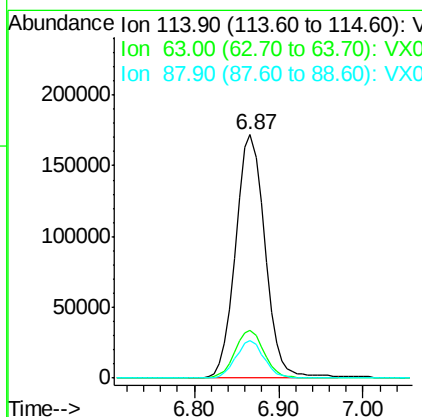
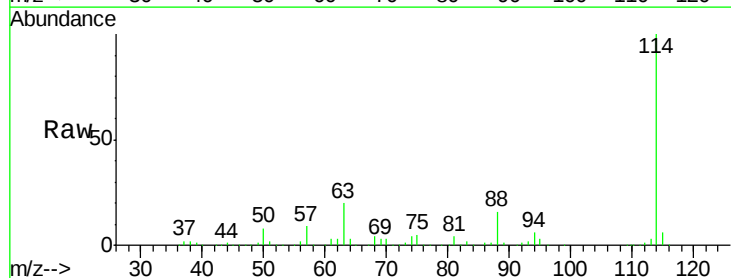
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBL01

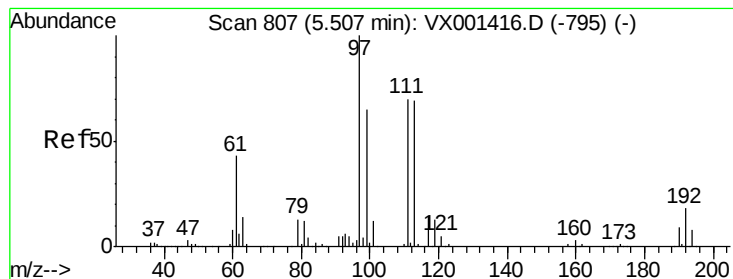
Tgt Ion: 65 Resp: 160141
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001420.D
 Acq: 05 May 2018 15:55

Tgt Ion: 114 Resp: 405420
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 35.19 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001420.D

Acq: 05 May 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBL01

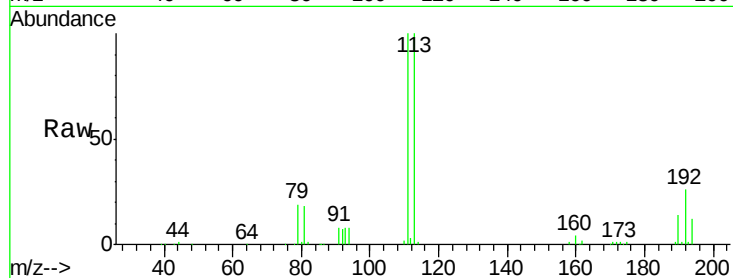
Tgt Ion:113 Resp: 126900

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

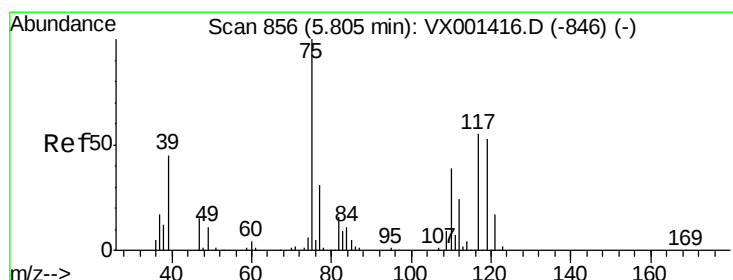
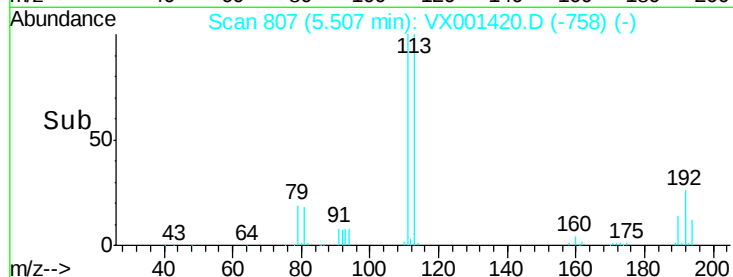
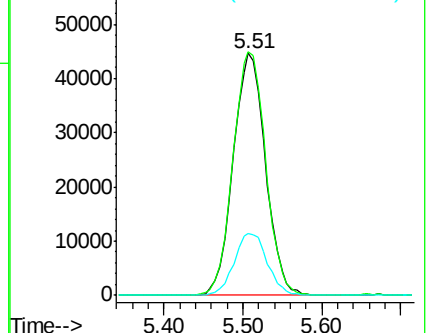
192 26.1 21.4 32.0



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: 3.49 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001420.D

Acq: 05 May 2018 15:55

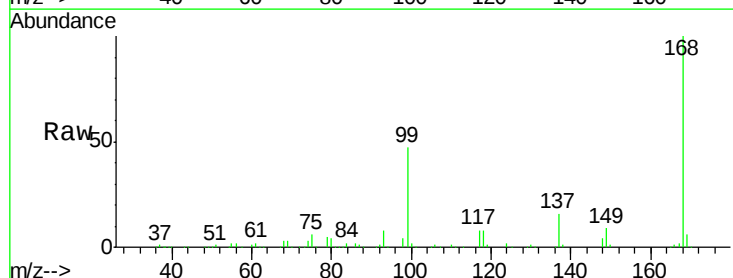
Tgt Ion: 75 Resp: 18018

Ion Ratio Lower Upper

75 100

110 8.9 18.9 56.7#

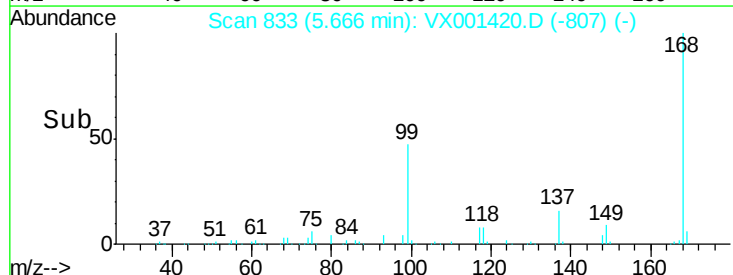
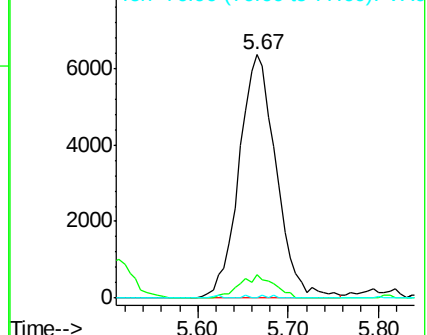
77 0.1 24.9 37.3#

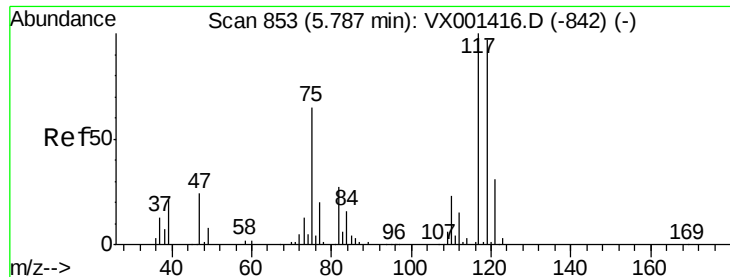


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

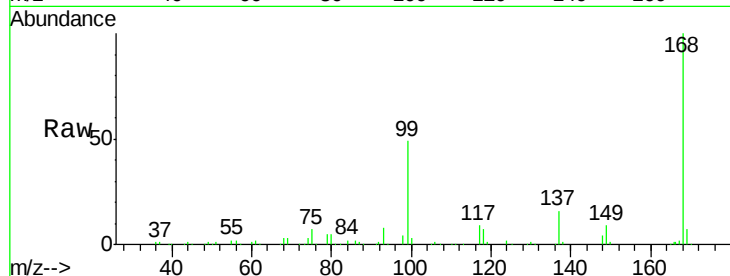




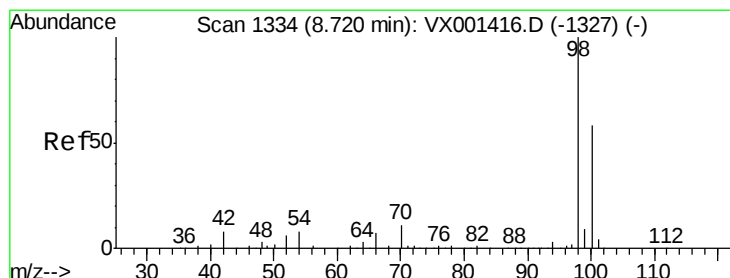
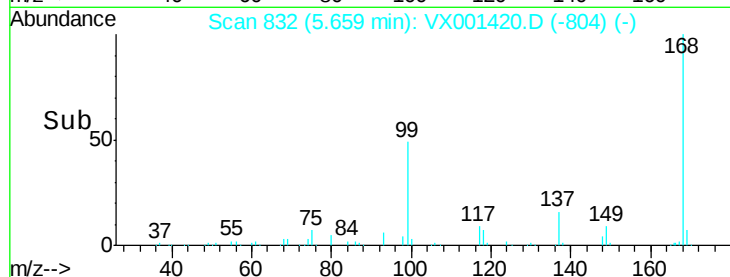
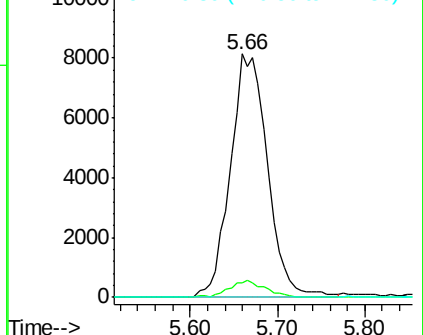
#38
Carbon Tetrachloride
Concen: 4.37 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX001420.D
Acq: 05 May 2018 15:55

Instrument :
MSVOA_X
ClientSampled :
VX0505WBL01

Tgt Ion: 117 Resp: 24046
Ion Ratio Lower Upper
117 100
119 6.1 77.0 115.6#
121 0.0 25.1 37.7#

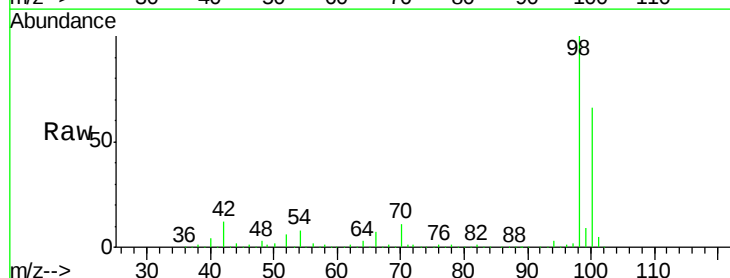


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

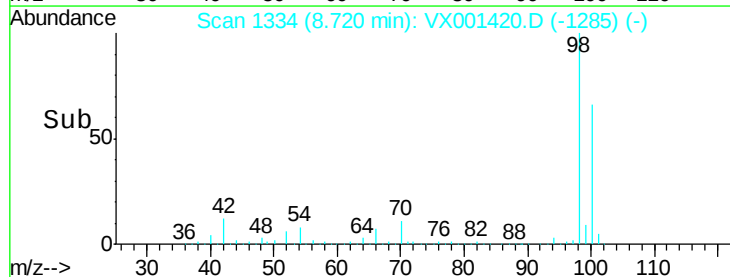
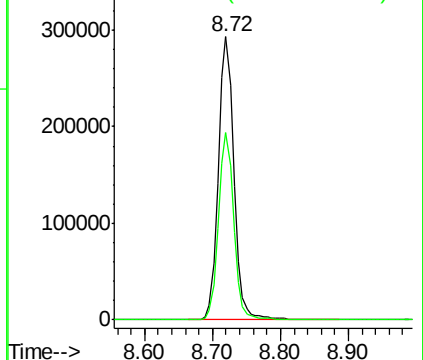


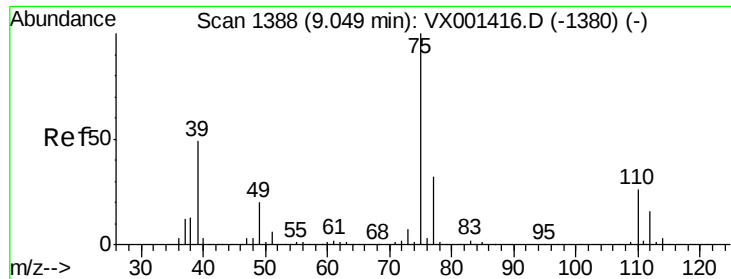
#50
Toluene-d8
Concen: 35.33 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001420.D
Acq: 05 May 2018 15:55

Tgt Ion: 98 Resp: 465014
Ion Ratio Lower Upper
98 100
100 65.5 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

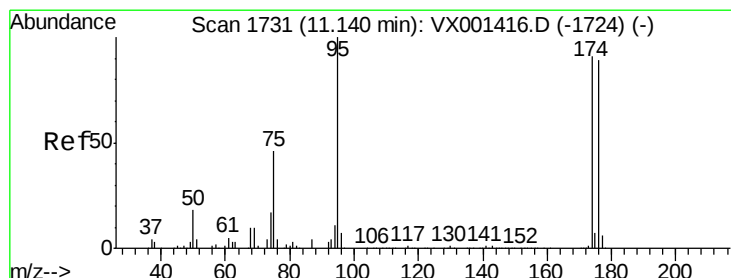
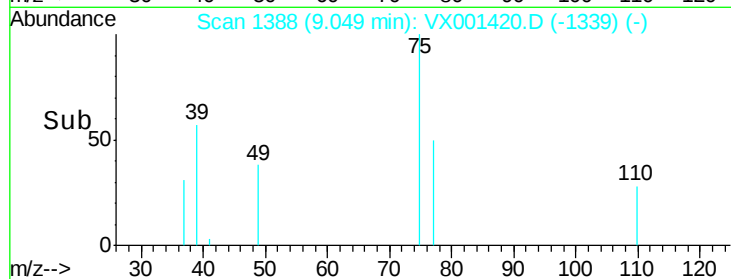
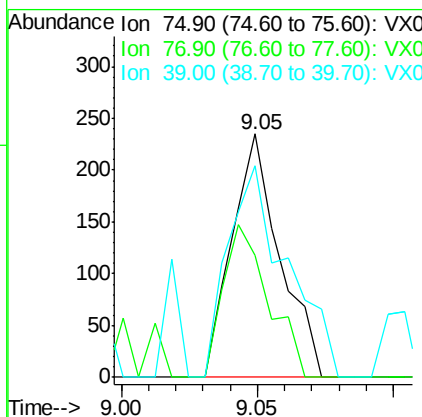
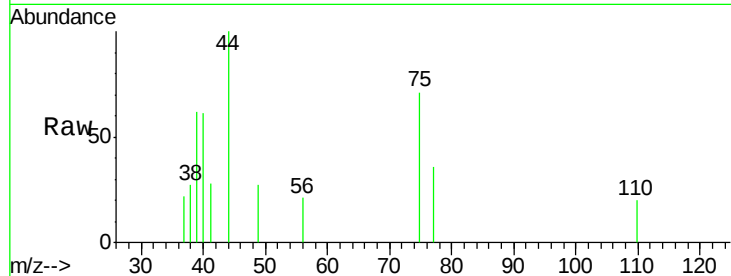




#54
 cis-1,3-Dichloropropene
 Concen: 2.31 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001420.D
 Acq: 05 May 2018 15:55

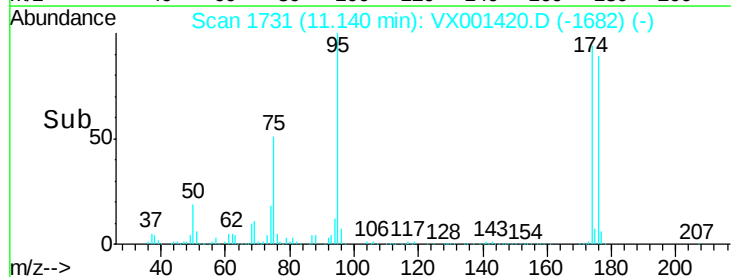
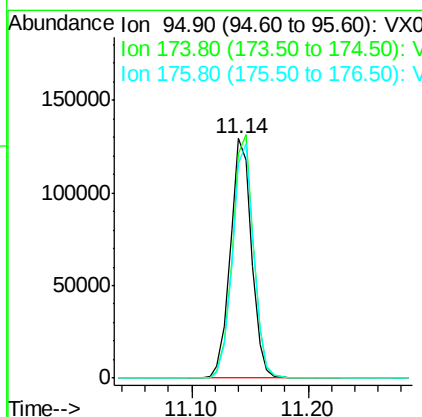
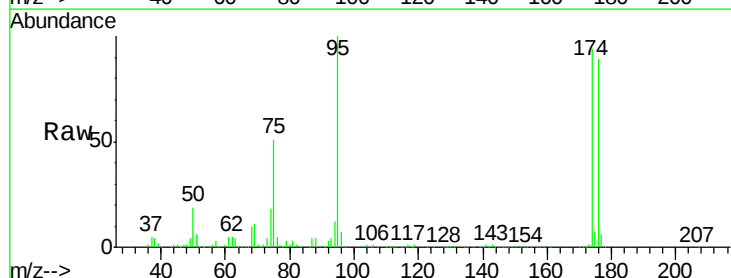
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBL01

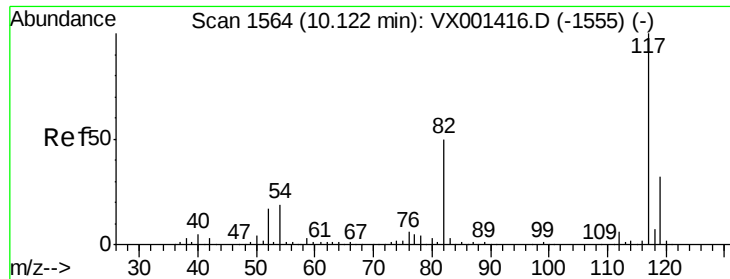
Tgt Ion: 75 Resp: 286
 Ion Ratio Lower Upper
 75 100
 77 50.2 25.5 38.3#
 39 86.8 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 32.50 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001420.D
 Acq: 05 May 2018 15:55

Tgt Ion: 95 Resp: 164232
 Ion Ratio Lower Upper
 95 100
 174 101.4 0.0 202.0
 176 97.6 0.0 197.4

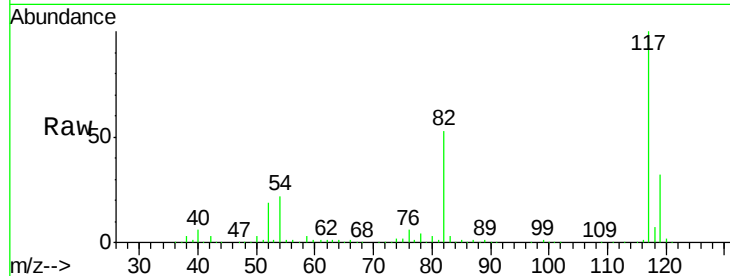




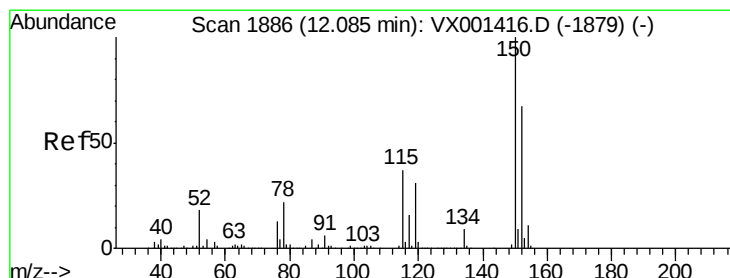
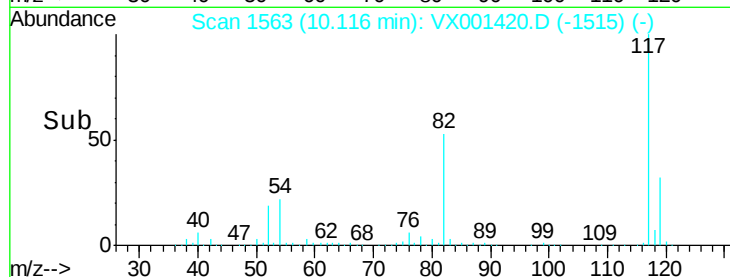
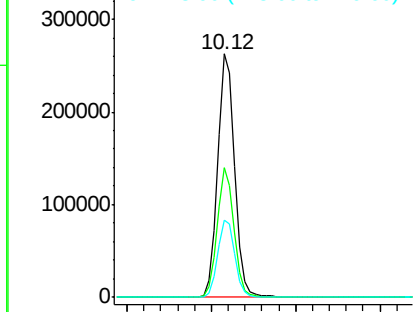
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001420.D
Acq: 05 May 2018 15:55

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

Tgt Ion:117 Resp: 368471
Ion Ratio Lower Upper
117 100
82 53.3 40.0 60.0
119 31.8 25.8 38.8

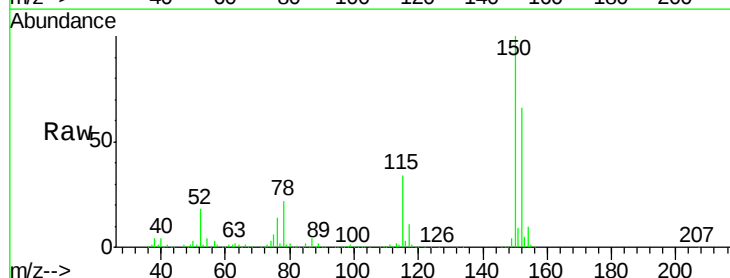


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

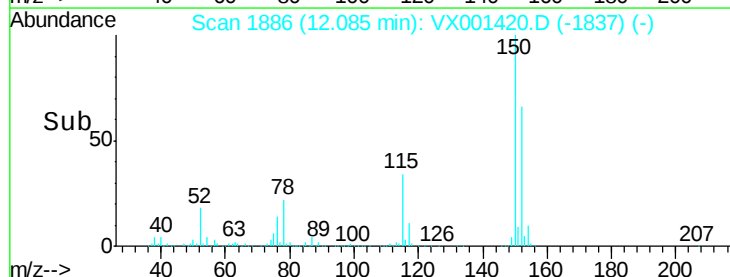
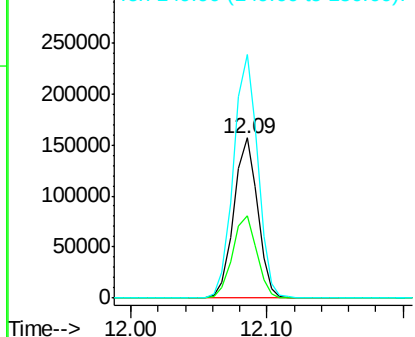


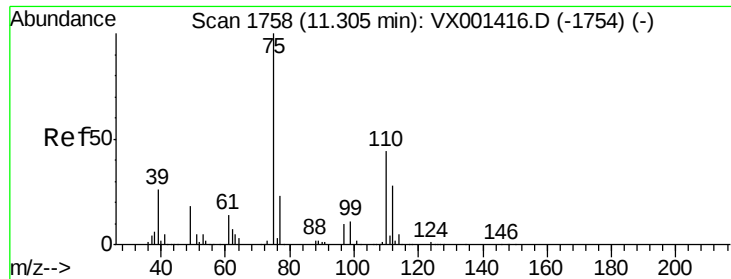
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001420.D
Acq: 05 May 2018 15:55

Tgt Ion:152 Resp: 190922
Ion Ratio Lower Upper
152 100
115 52.4 37.7 113.1
150 154.7 0.0 349.4



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

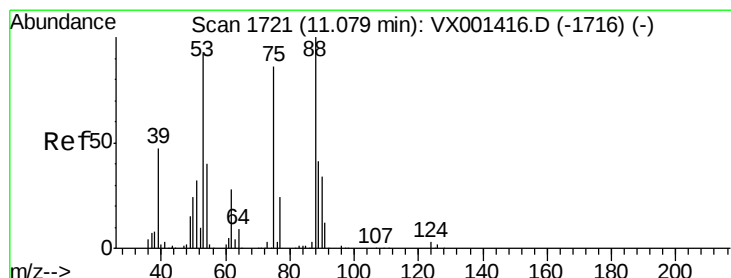
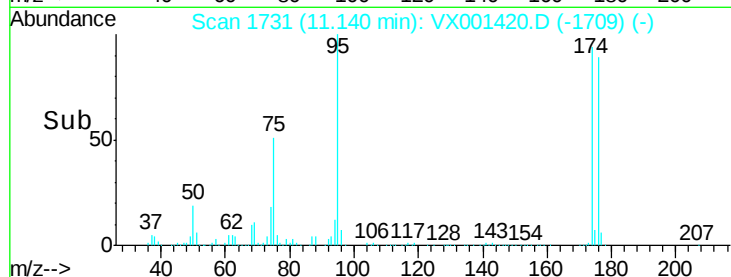
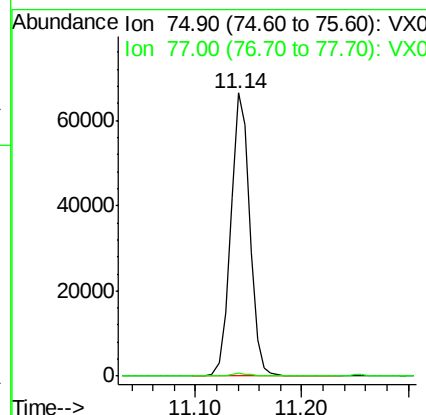
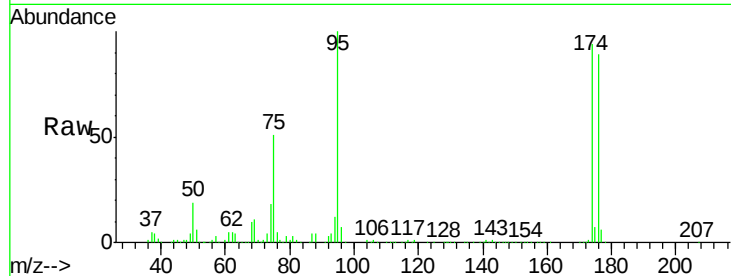




#76
 1,2,3-Trichloropropane
 Concen: 21.50 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001420.D
 Acq: 05 May 2018 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBL01

Tgt Ion: 75 Resp: 83248
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001420.D
 Acq: 05 May 2018 15:55

Tgt Ion: 75 Resp: 83248
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

