

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004215.D
 Acq On : 23 Aug 2018 09:58
 Operator : JC/MD
 Sample : VX0823WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBL01

Quant Time: Aug 24 09:34:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	299252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	425282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220132	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	198624	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	5.50	113	173652	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	8.71	98	640574	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.14	95	210903	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	

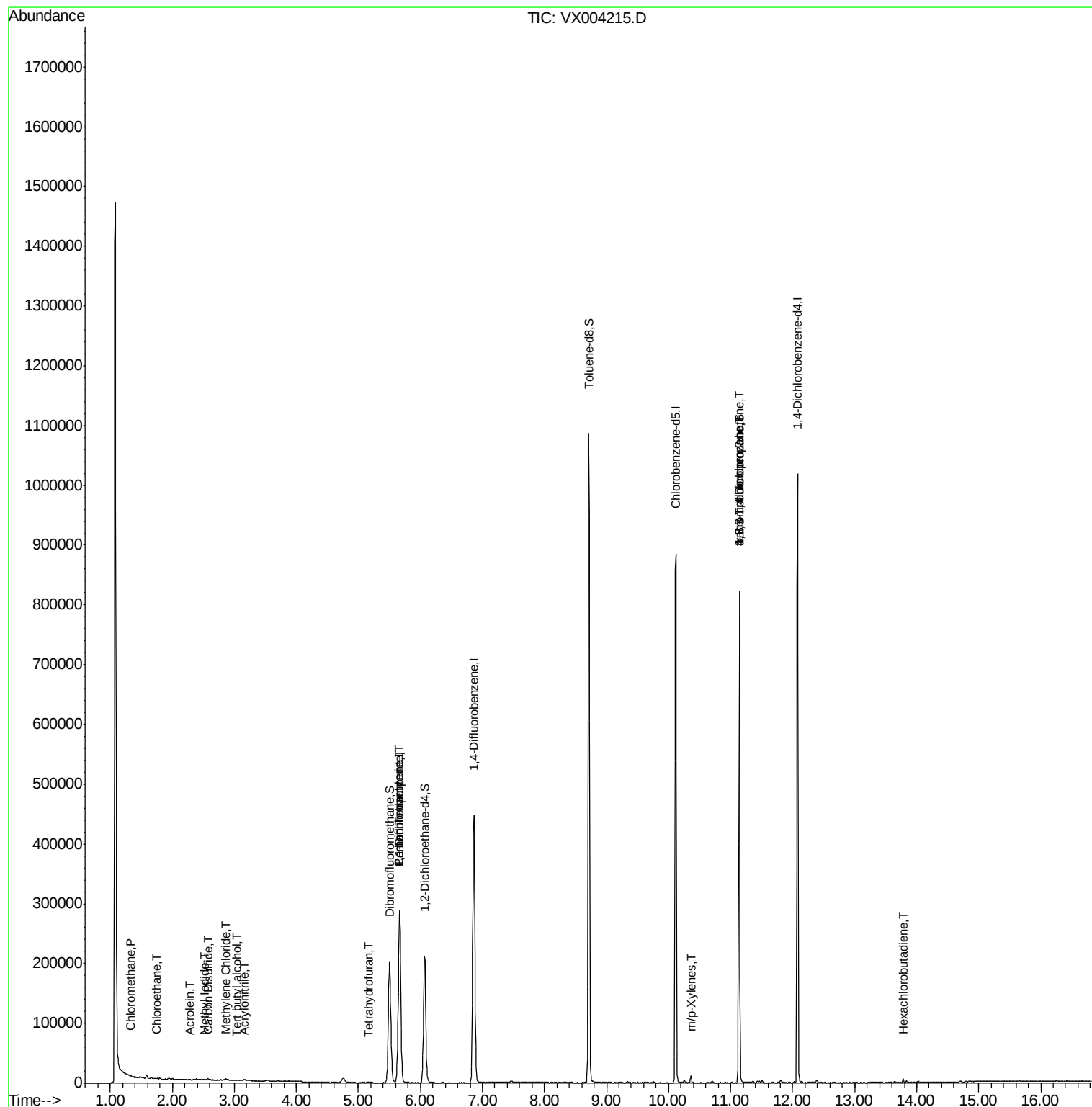
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1113	0.58	ug/l	95
5) Bromomethane	1.62	94	57	Below Cal	#	3
6) Chloroethane	1.75	64	913	1.26	ug/l	44
10) Methyl Iodide	2.52	142	496	4.38	ug/l	88
11) Tert butyl alcohol	3.04	59	226	0.27	ug/l	72
13) Acrolein	2.29	56	299	1.49	ug/l	49
15) Acrylonitrile	3.15	53	805	0.39	ug/l	80
16) Acetone	2.44	43	685	Below Cal		100
17) Carbon Disulfide	2.57	76	2931	1.13	ug/l	99
20) Methylene Chloride	2.86	84	761	0.20	ug/l	79
25) 2-Butanone	4.71	43	260	Below Cal	#	47
29) Tetrahydrofuran	5.16	42	1229	0.73	ug/l	79
36) 1,1-Dichloropropene	5.66	75	19469	3.77	ug/l	49
38) Carbon Tetrachloride	5.66	117	25811	5.31	ug/l	16
68) m/p-Xylenes	10.36	106	2661	0.39	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	99992	22.33	ug/l	37
81) trans-1,4-Dichloro-2-buten	11.14	75	99992	72.47	ug/l	10
94) Hexachlorobutadiene	13.78	225	1073	0.32	ug/l	96

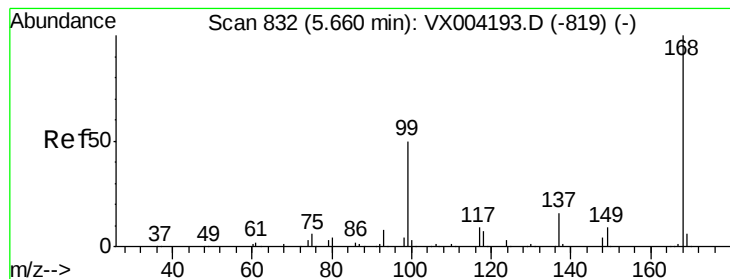
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

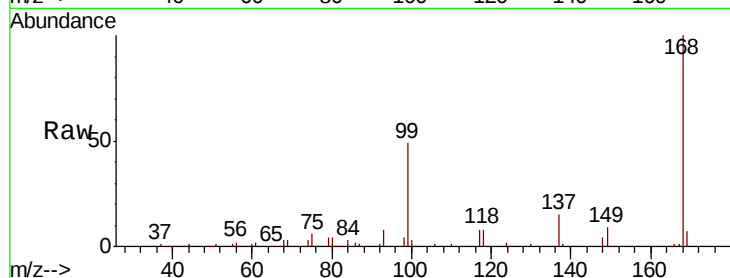
VX0823WBL01

Tot Ion:168 Resp: 299252

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

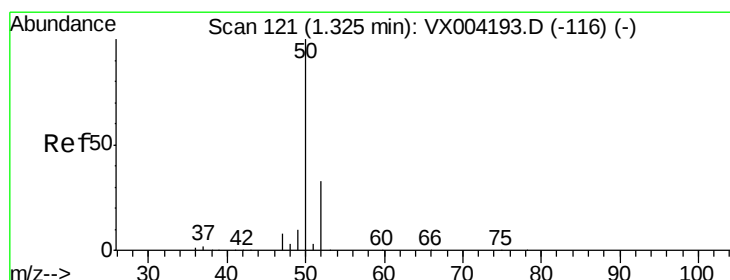
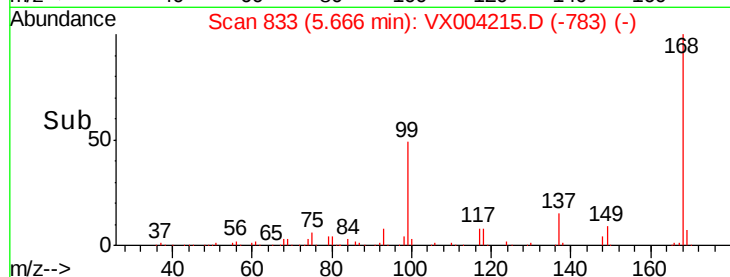
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004215.D

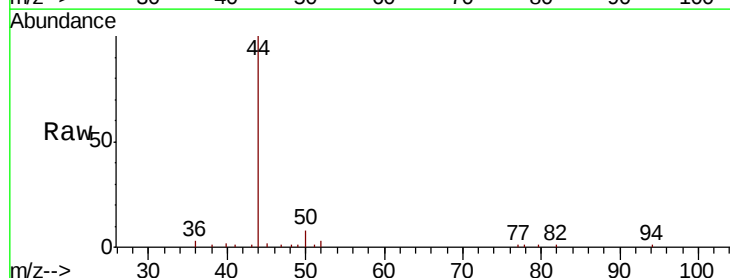
Acq: 23 Aug 2018 09:58

Tgt Ion: 50 Resp: 1113

Ion Ratio Lower Upper

50 100

52 35.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

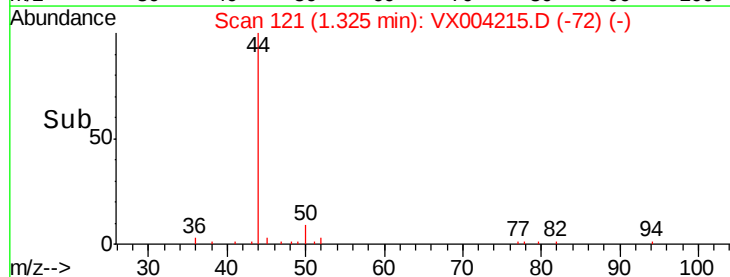
600

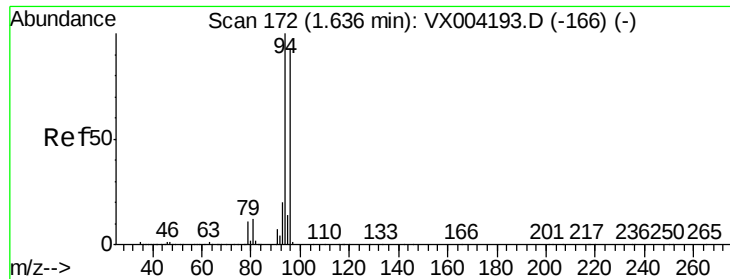
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

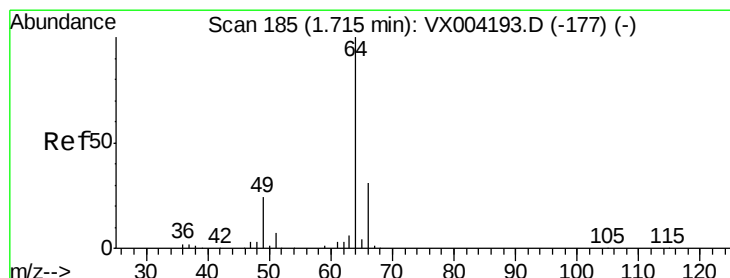
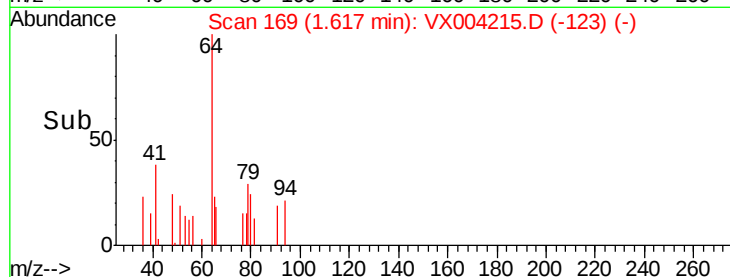
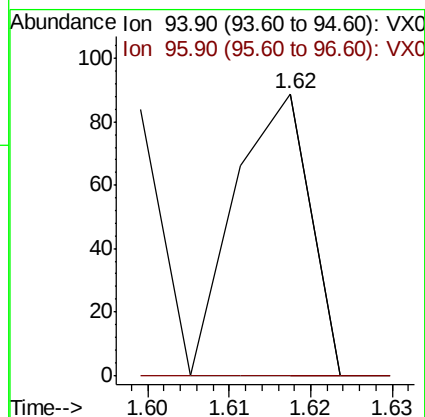
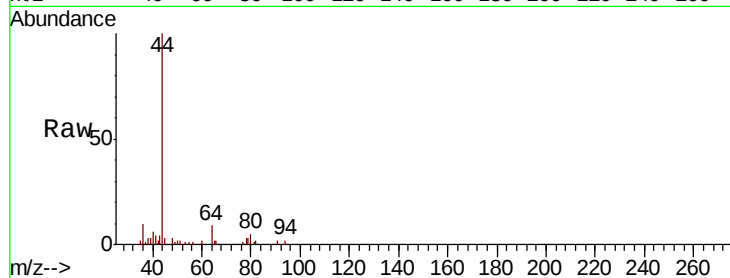
VX0823WBL01

Tot Ion: 94 Resp: 57

Ion Ratio Lower Upper

94 100

96 0.0 74.5 111.7#



#6

Chloroethane

Concen: 1.26 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.03 min

Lab File: VX004215.D

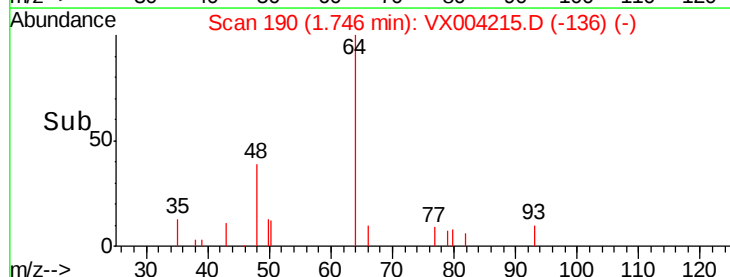
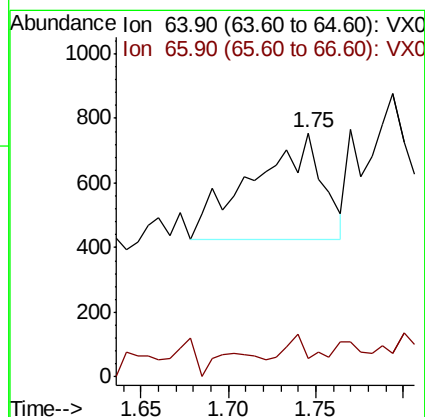
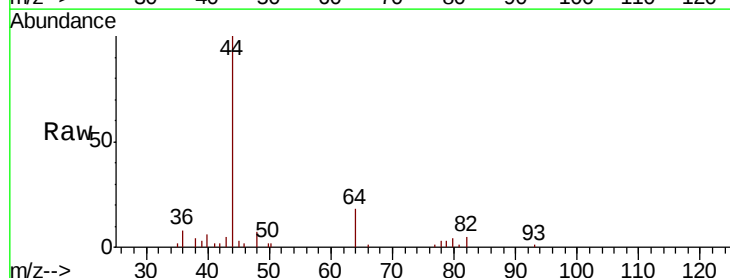
Acq: 23 Aug 2018 09:58

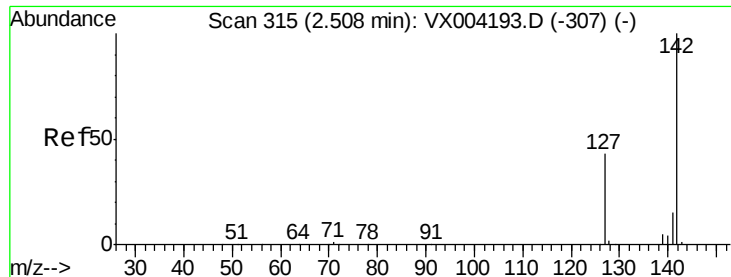
Tgt Ion: 64 Resp: 913

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#

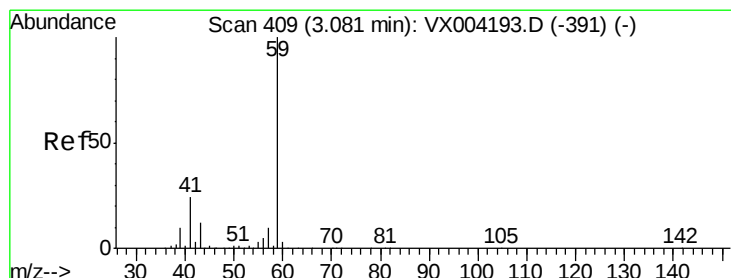
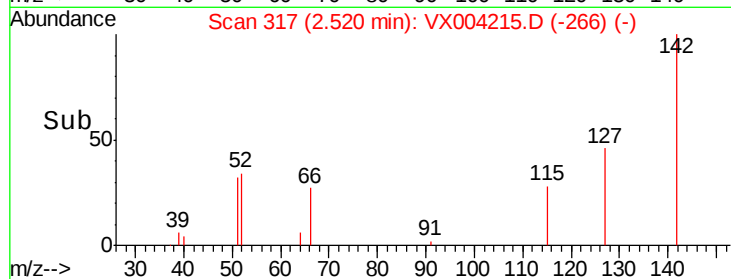
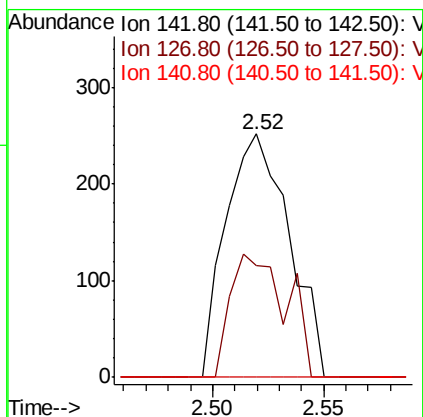
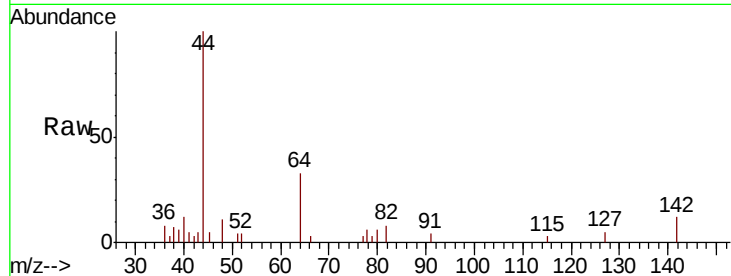




#10
Methvl Iodide
Concen: 4.38 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

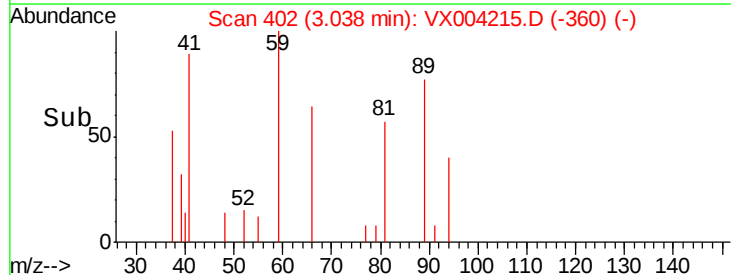
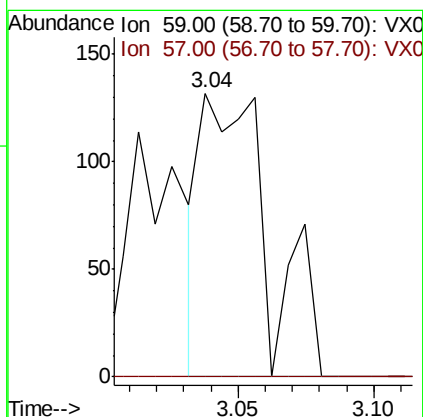
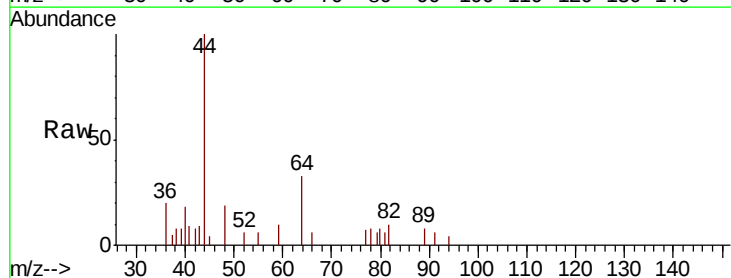
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBL01

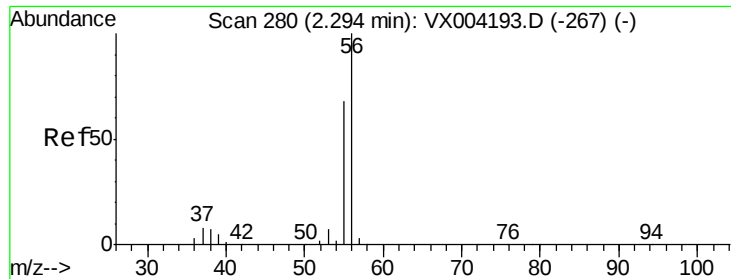
Tot Ion:142 Resp: 496
Ion Ratio Lower Upper
142 100
127 44.6 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.27 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.04 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.49 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

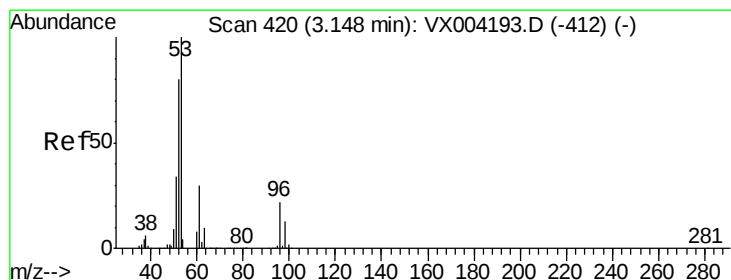
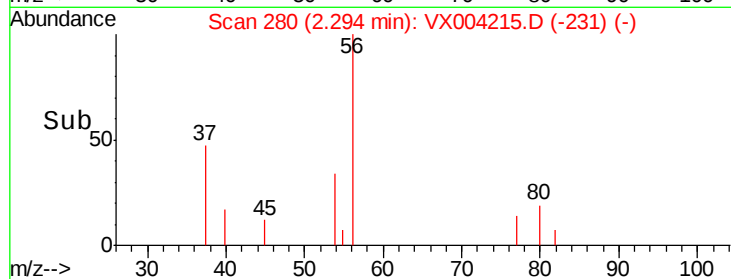
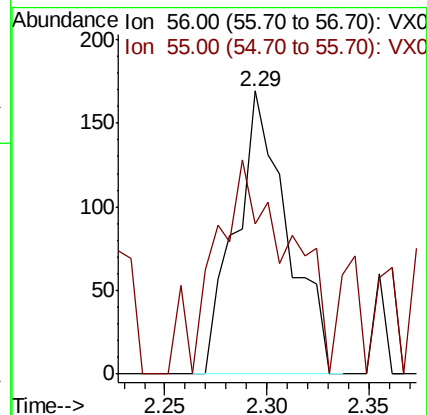
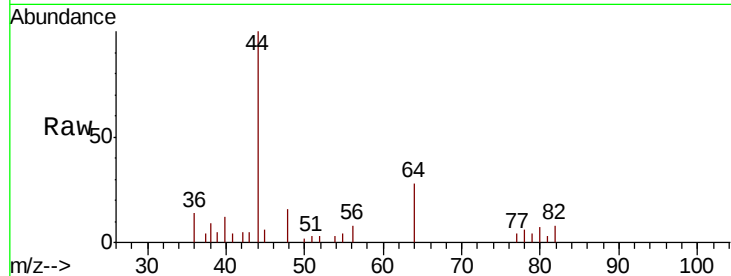
VX0823WBL01

Tot Ion: 56 Resp: 299

Ion Ratio Lower Upper

56 100

55 110.0 54.7 82.1#



#15

Acrylonitrile

Concen: 0.39 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

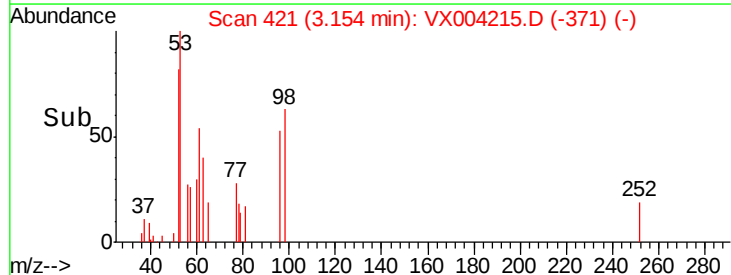
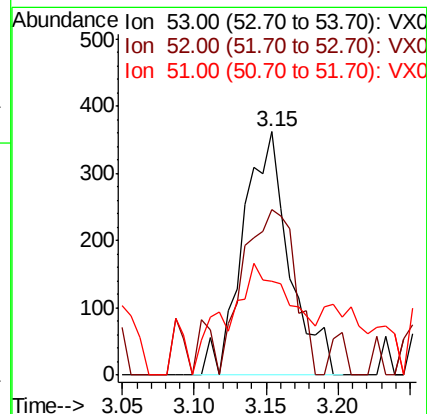
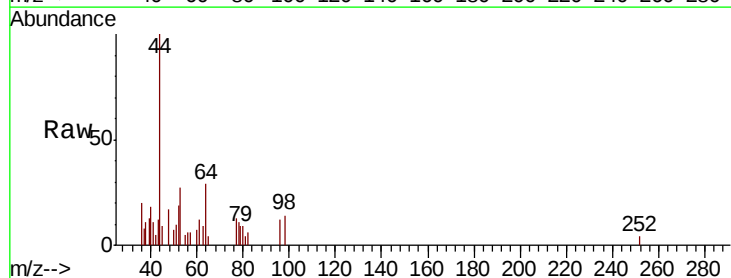
Tgt Ion: 53 Resp: 805

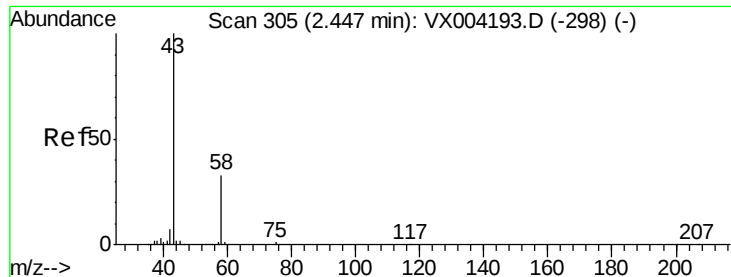
Ion Ratio Lower Upper

53 100

52 76.4 65.2 97.8

51 66.8 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

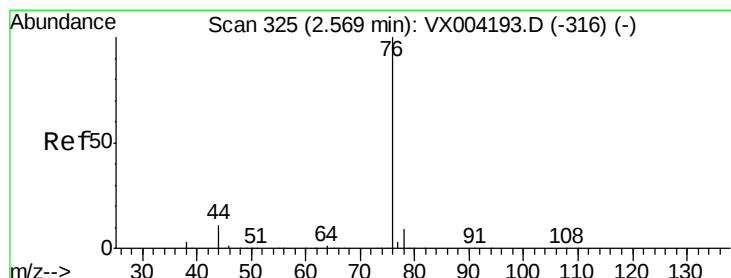
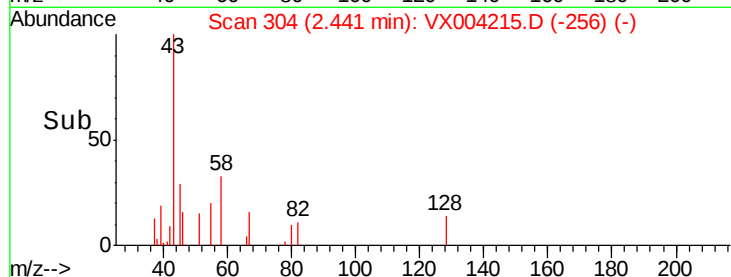
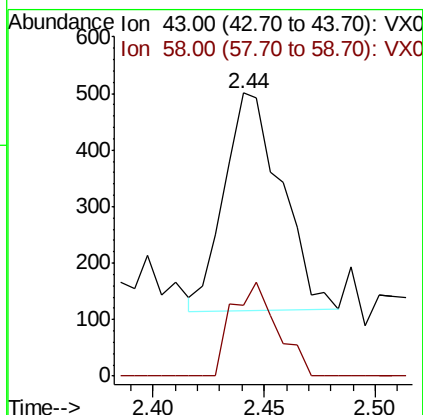
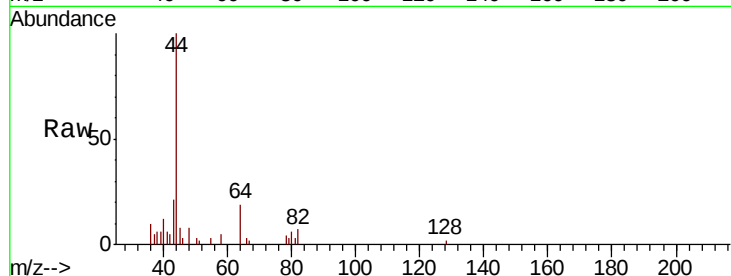
VX0823WBL01

Tot Ion: 43 Resp: 685

Ion Ratio Lower Upper

43 100

58 33.0 26.2 39.4



#17

Carbon Disulfide

Concen: 1.13 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX004215.D

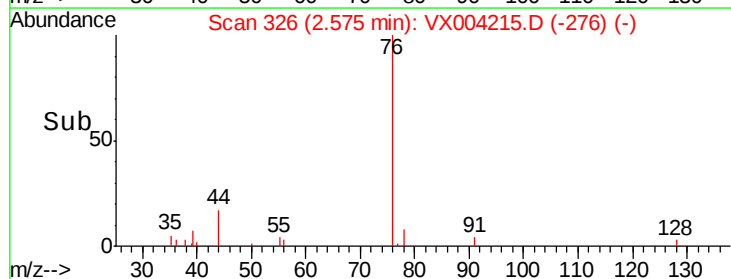
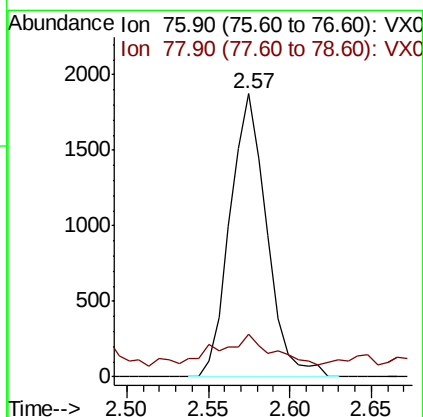
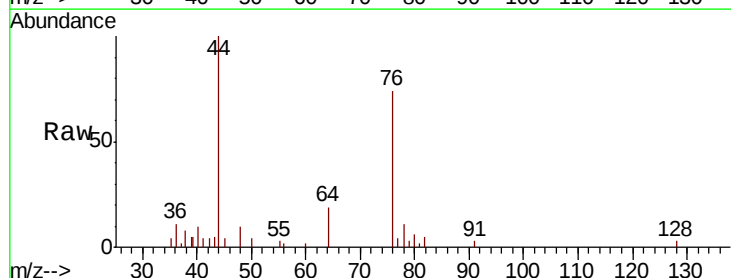
Acq: 23 Aug 2018 09:58

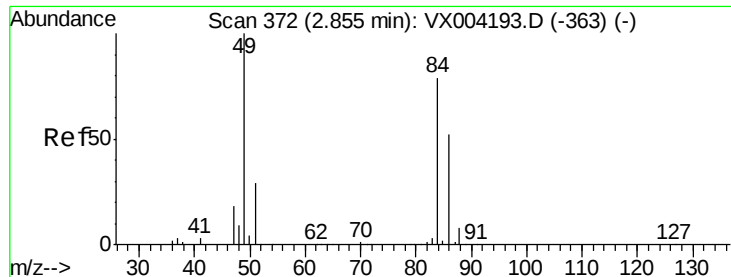
Tgt Ion: 76 Resp: 2931

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

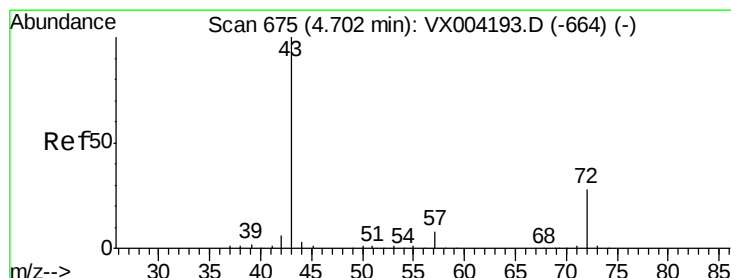
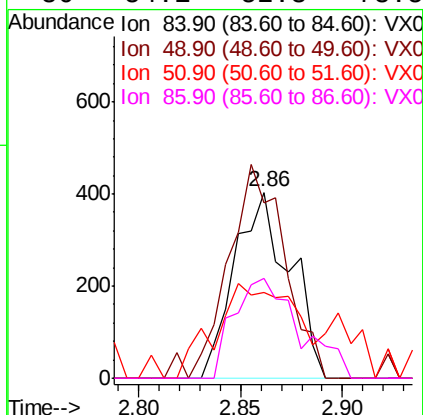
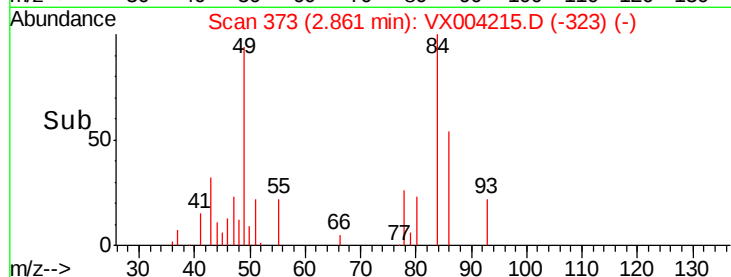
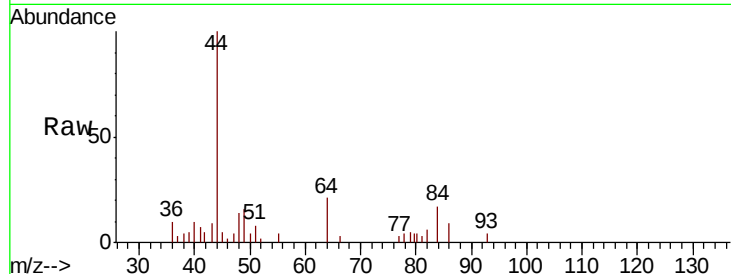




#20
Methvlene Chloride
Concen: 0.20 ua/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

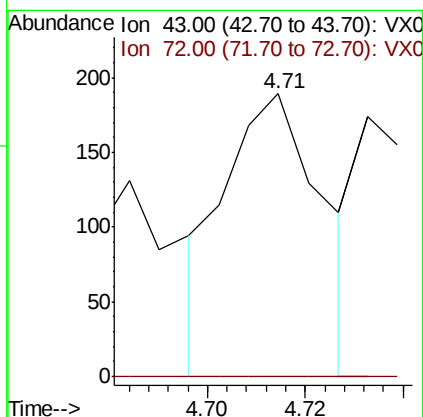
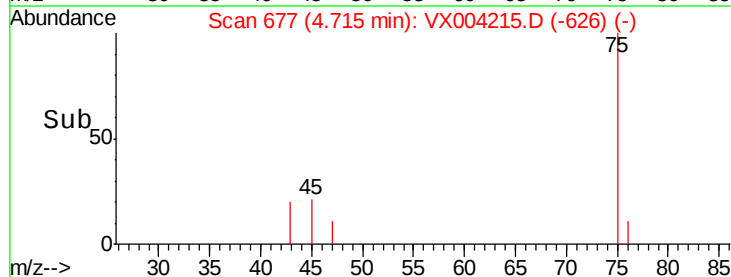
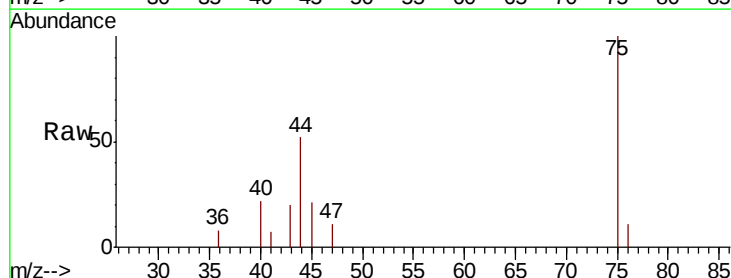
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBL01

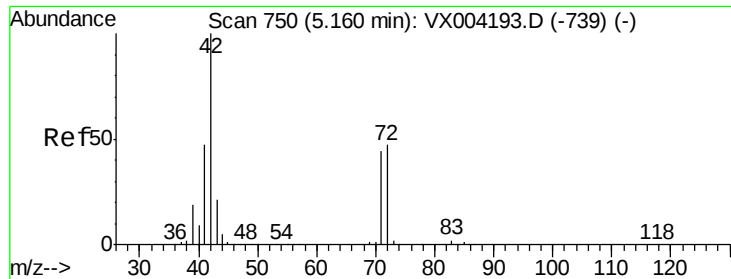
Tot Ion: 84 Resp: 761
Ion Ratio Lower Upper
84 100
49 94.3 101.2 151.8#
51 30.0 29.5 44.3
86 54.1 52.3 78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.73 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBL01

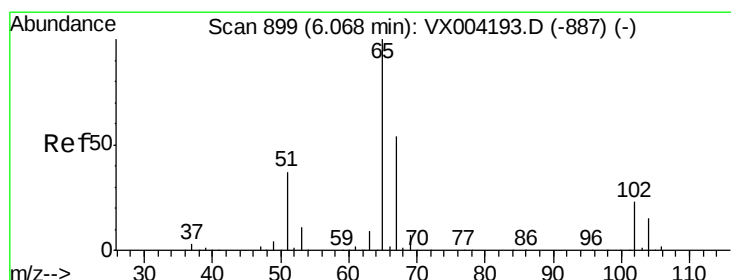
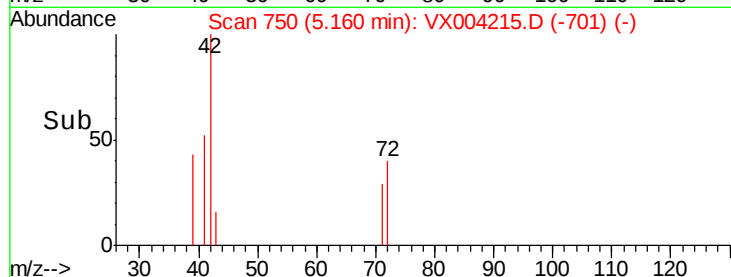
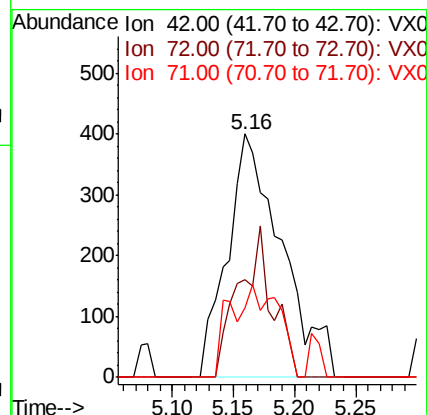
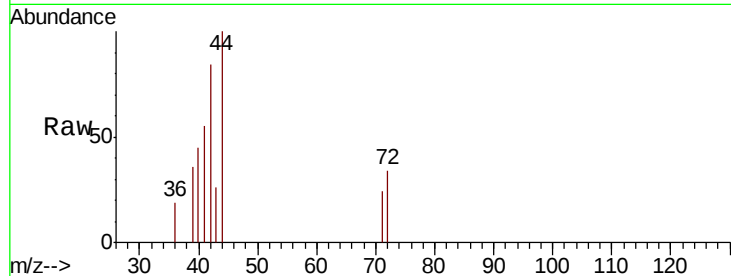
Tot Ion: 42 Resp: 1229

Ion Ratio Lower Upper

42 100

72 38.5 37.4 56.0

71 24.0 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 50.92 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004215.D

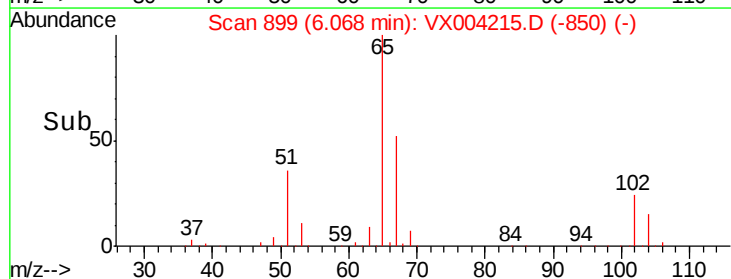
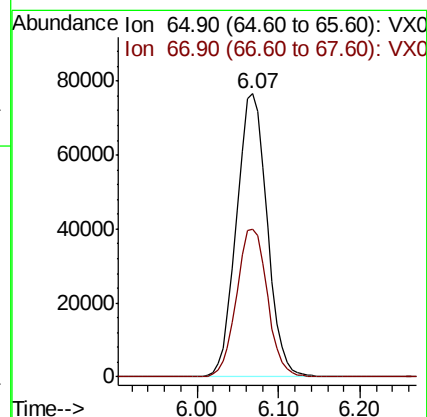
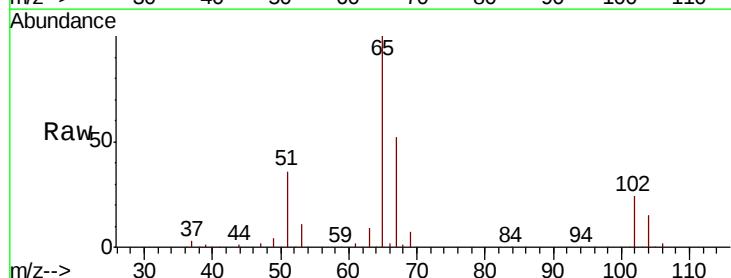
Acq: 23 Aug 2018 09:58

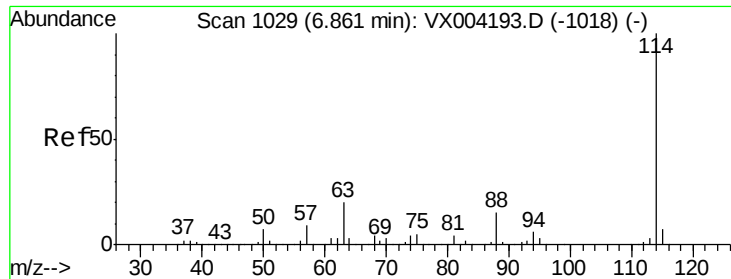
Tgt Ion: 65 Resp: 198624

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.8

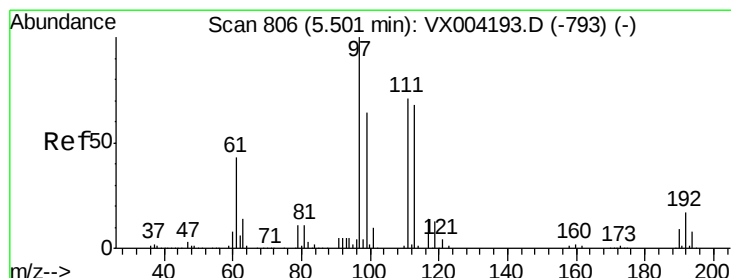
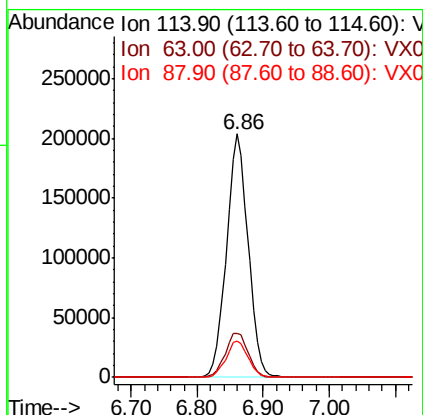
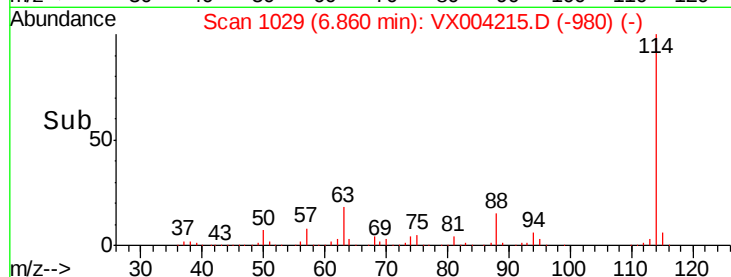
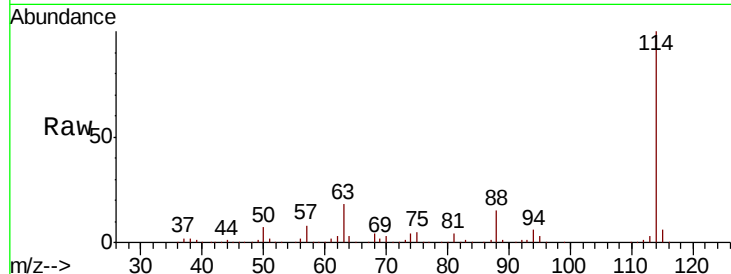




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004215.D
 Acq: 23 Aug 2018 09:58

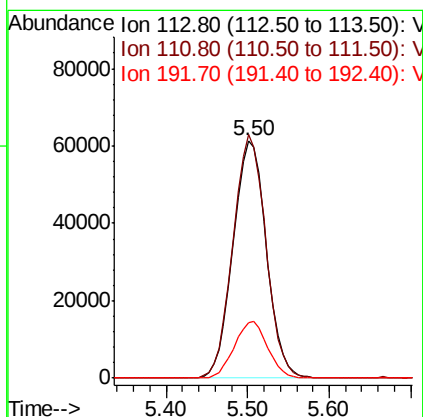
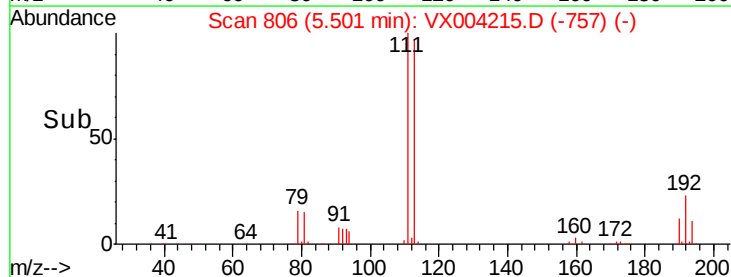
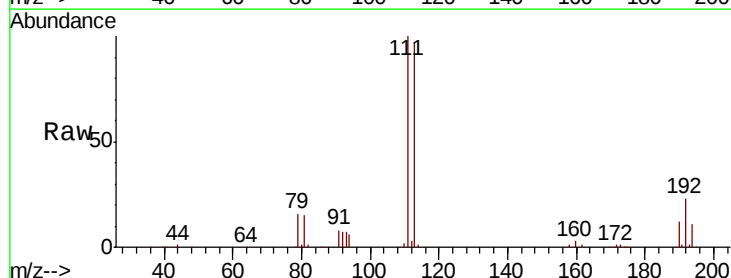
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0823WBL01

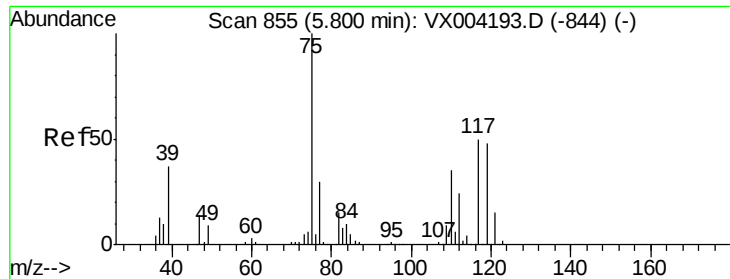
Tot Ion:114 Resp: 459854
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.0
 88 15.1 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 50.76 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004215.D
 Acq: 23 Aug 2018 09:58

Tgt Ion:113 Resp: 173652
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.4 123.6
 192 23.8 19.4 29.2





#36

1,1-Dichloropropene

Concen: 3.77 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBL01

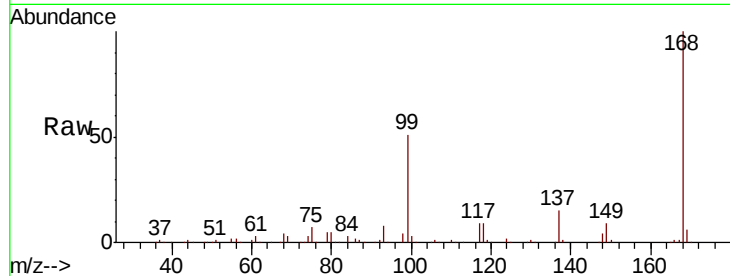
Tot Ion: 75 Resp: 19469

Ion Ratio Lower Upper

75 100

110 8.9 18.0 54.0#

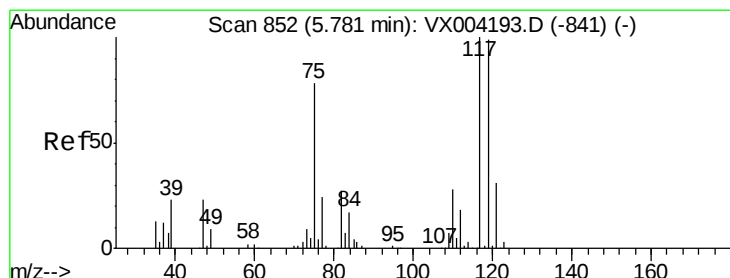
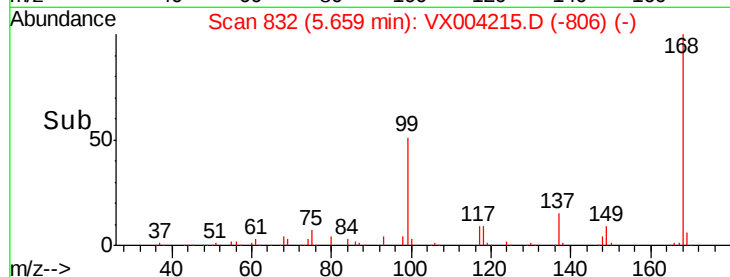
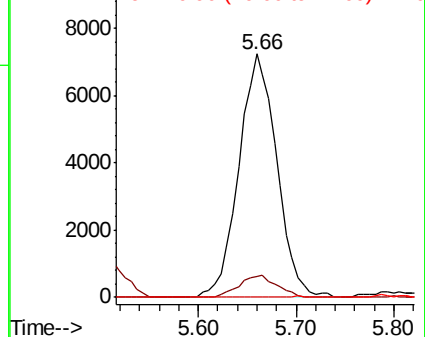
77 0.0 24.6 36.8#



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: 5.31 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

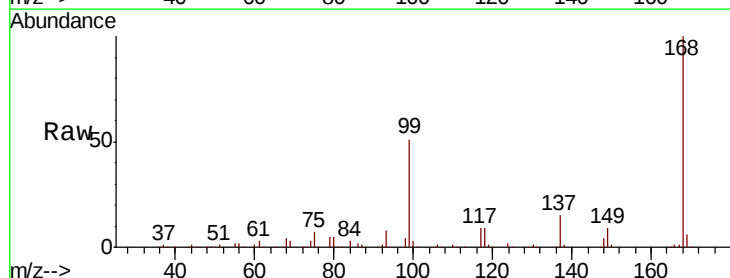
Tgt Ion: 117 Resp: 25811

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

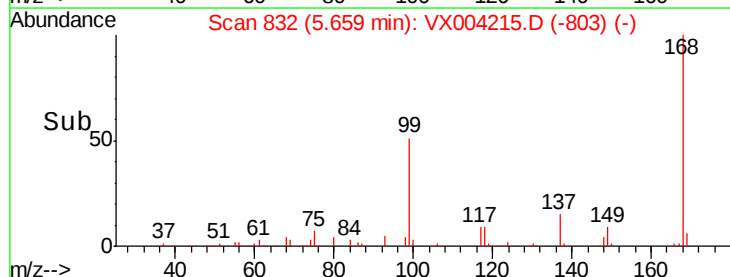
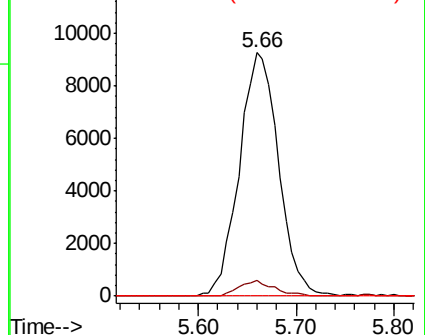
121 0.0 24.9 37.3#

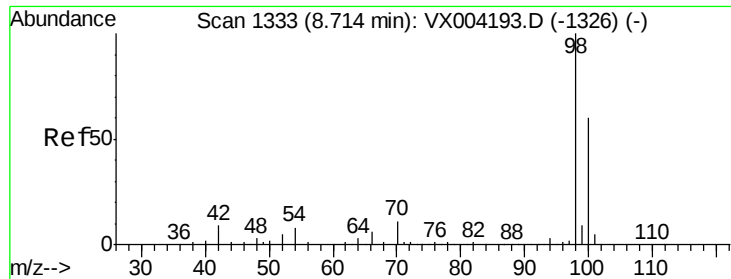


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

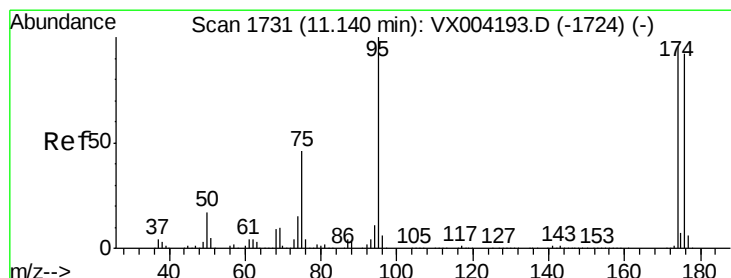
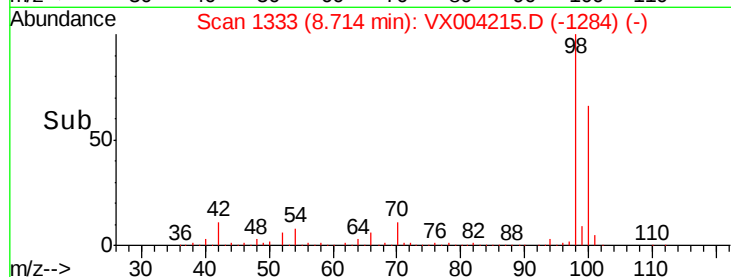
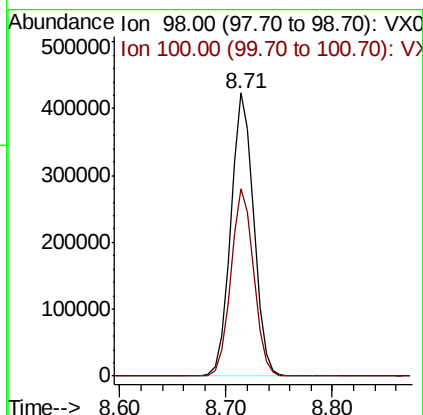
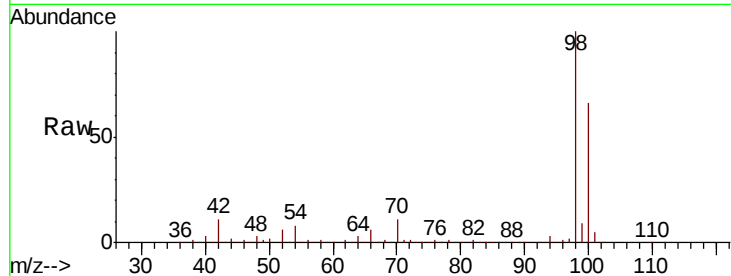




#50
Toluene-d8
Concen: 49.61 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

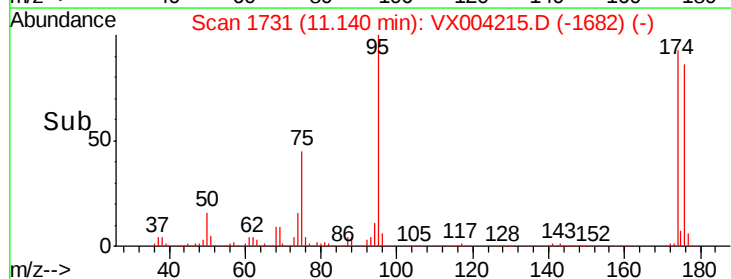
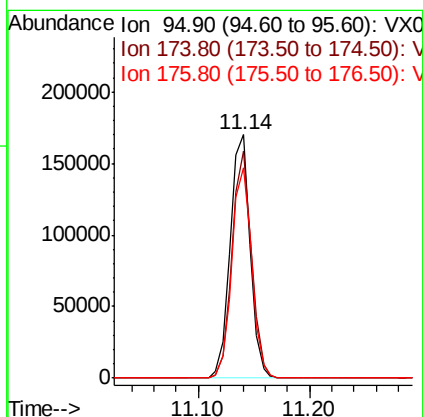
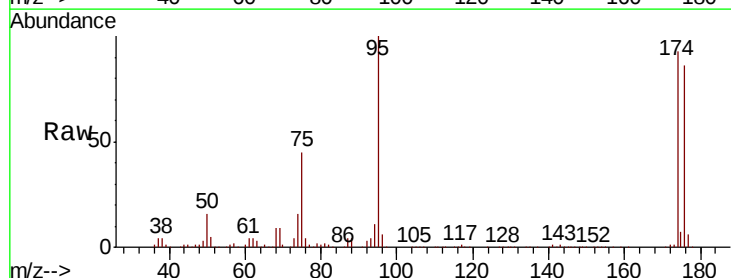
Instrument :
MSVOA_X
ClientSampleId :
VX0823WBL01

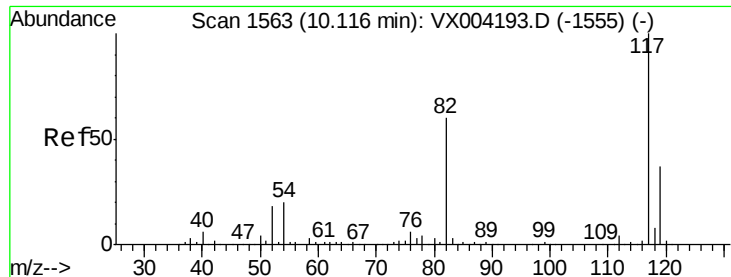
Tot Ion: 98 Resp: 640574
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 43.77 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

Tgt Ion: 95 Resp: 210903
Ion Ratio Lower Upper
95 100
174 91.2 0.0 185.2
176 86.3 0.0 178.6

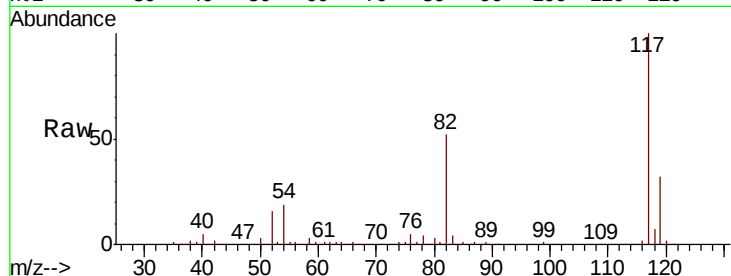




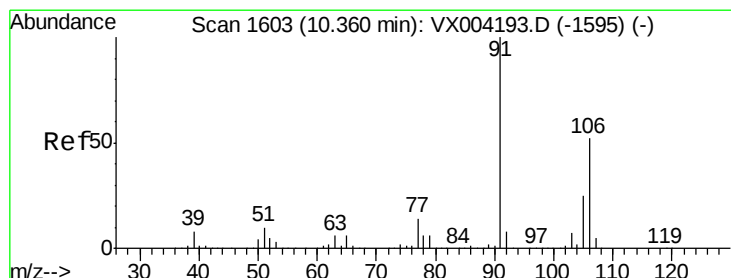
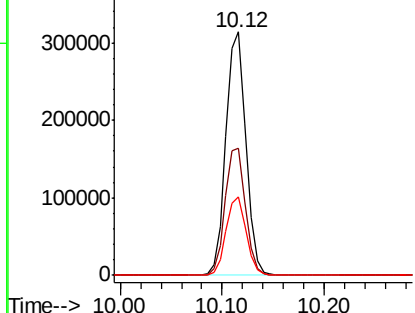
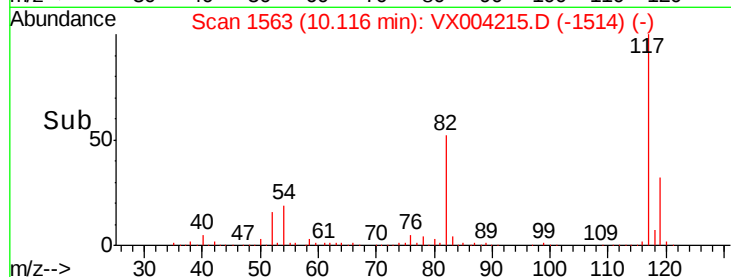
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBL01

Tot Ion:117 Resp: 425282
Ion Ratio Lower Upper
117 100
82 52.0 47.8 71.6
119 32.0 29.3 43.9

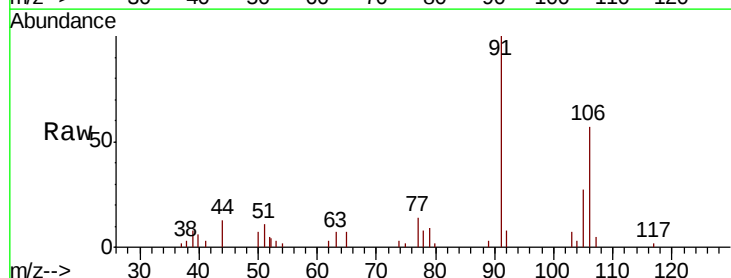


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

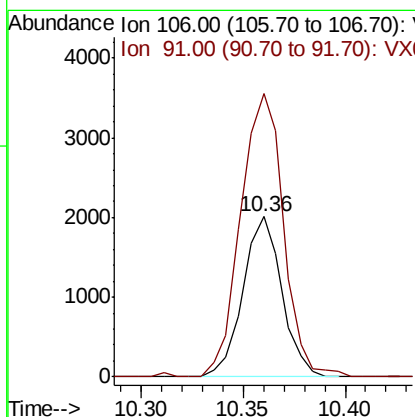
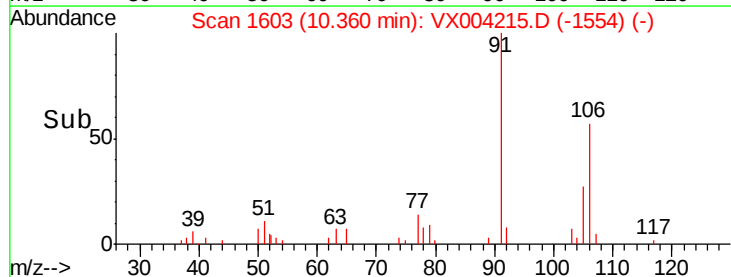


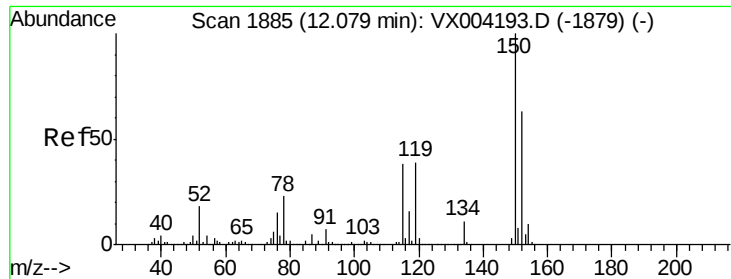
#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004215.D
Acq: 23 Aug 2018 09:58

Tgt Ion:106 Resp: 2661
Ion Ratio Lower Upper
106 100
91 194.7 157.1 235.7



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: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBL01

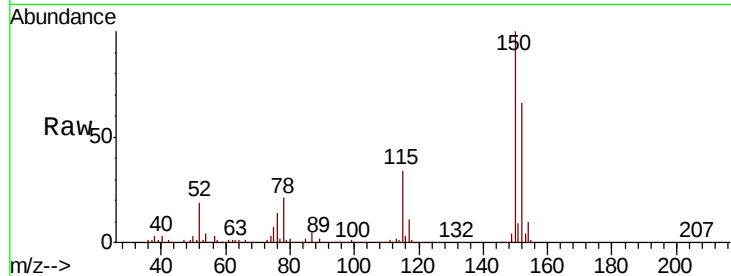
Tot Ion:152 Resp: 220132

Ion Ratio Lower Upper

152 100

115 53.9 39.0 117.0

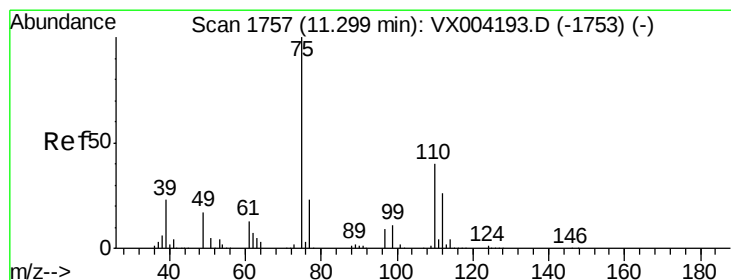
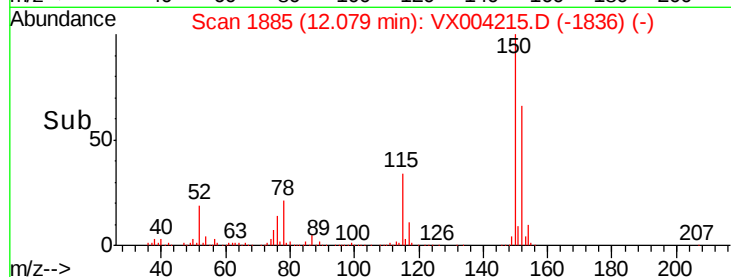
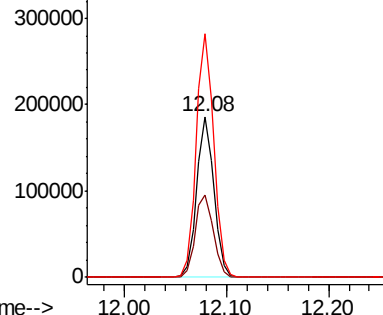
150 154.4 0.0 351.0



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: 22.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004215.D

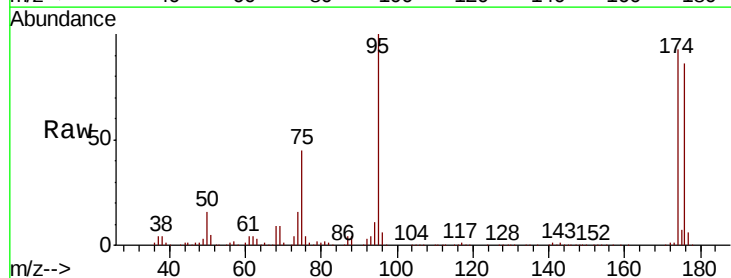
Acq: 23 Aug 2018 09:58

Tgt Ion: 75 Resp: 99992

Ion Ratio Lower Upper

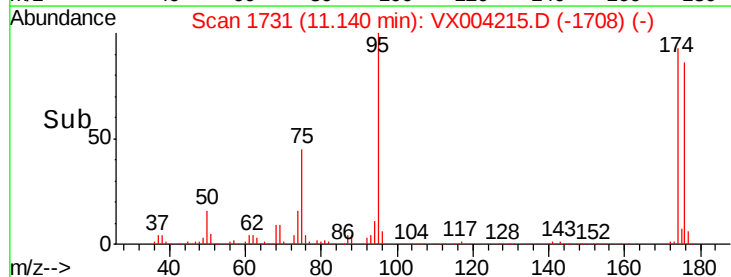
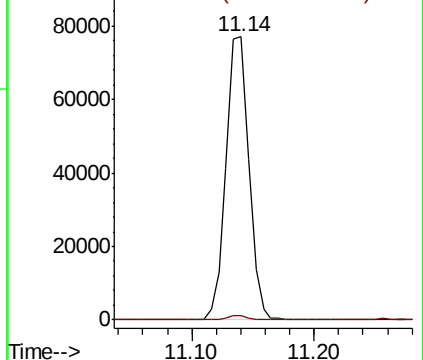
75 100

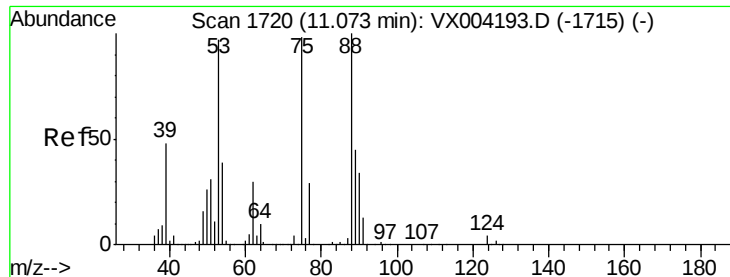
77 1.4 20.2 60.6#



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: 72.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

Instrument :

MSVOA_X

ClientSampled :

VX0823WBL01

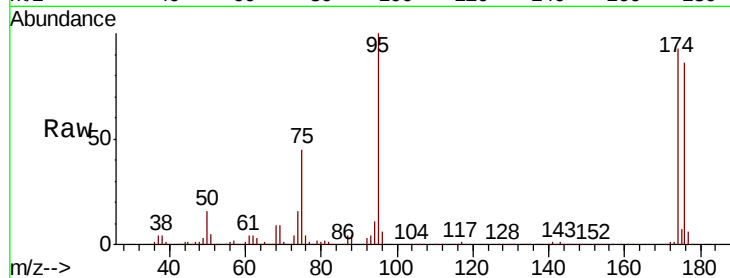
Tot Ion: 75 Resp: 99992

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#

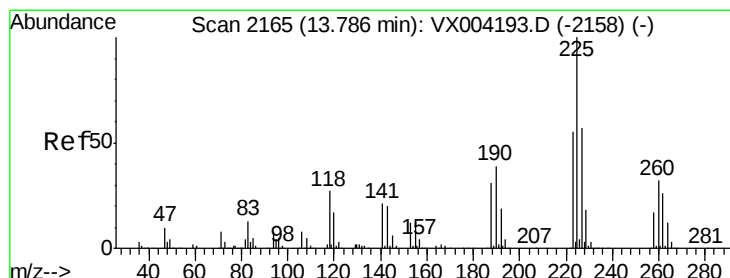
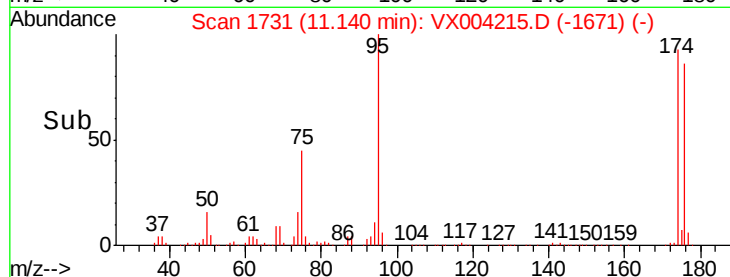
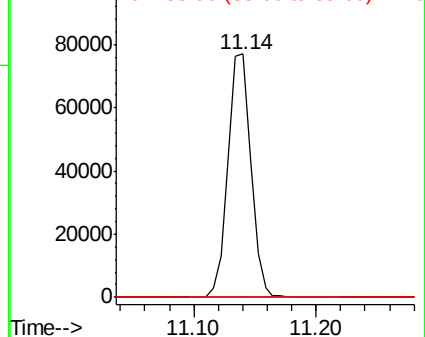


Abundance

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



#94

Hexachlorobutadiene

Concen: 0.32 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX004215.D

Acq: 23 Aug 2018 09:58

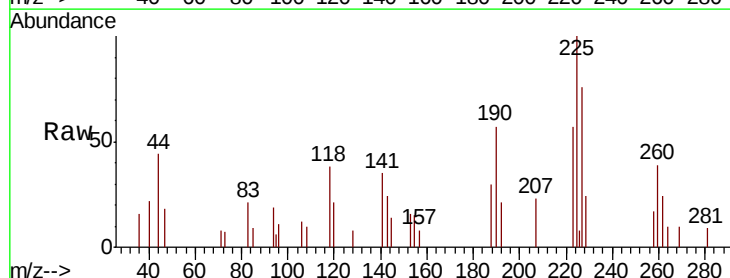
Tgt Ion: 225 Resp: 1073

Ion Ratio Lower Upper

225 100

223 58.1 30.1 90.5

227 64.8 30.8 92.4



Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

