

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004318.D
 Acq On : 30 Aug 2018 13:09
 Operator : JC/MD
 Sample : VX0830WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBL01

Quant Time: Aug 30 15:19:37 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	5.66	168	307313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	452023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251607	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	212331	53.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.02%	
35) Dibromofluoromethane	5.50	113	189668	52.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.14%	
50) Toluene-d8	8.71	98	689277	50.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.14	95	237651	46.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.54%	

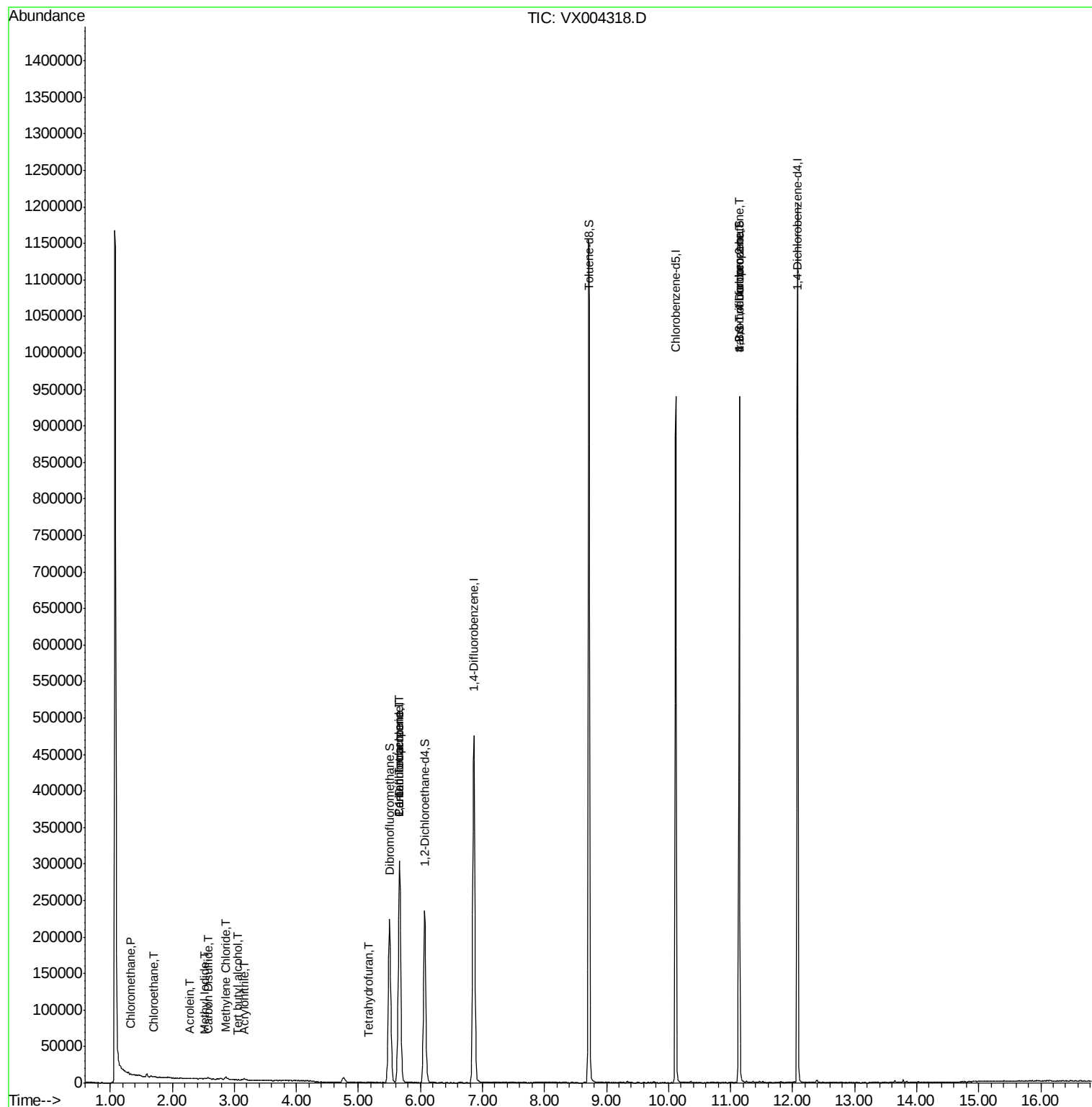
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	934	0.53	ug/l	89
5) Bromomethane	1.67	94	836	Below Cal	#	60
6) Chloroethane	1.71	64	591	1.15	ug/l	44
10) Methyl Iodide	2.52	142	544	4.39	ug/l	85
11) Tert butyl alcohol	3.04	59	225	0.26	ug/l	72
13) Acrolein	2.29	56	170	0.83	ug/l	49
15) Acrylonitrile	3.15	53	565	0.27	ug/l	38
16) Acetone	2.44	43	979	Below Cal	#	85
17) Carbon Disulfide	2.57	76	2380	1.06	ug/l	93
20) Methylene Chloride	2.86	84	1468	0.38	ug/l	91
25) 2-Butanone	4.71	43	435	Below Cal	#	47
29) Tetrahydrofuran	5.16	42	1060	0.62	ug/l	78
36) 1,1-Dichloropropene	5.66	75	20677	3.79	ug/l	49
38) Carbon Tetrachloride	5.66	117	27204	5.30	ug/l	16
76) 1,2,3-Trichloropropane	11.14	75	112080	21.90	ug/l	37
81) trans-1,4-Dichloro-2-buten	11.14	75	112080	71.06	ug/l	10

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

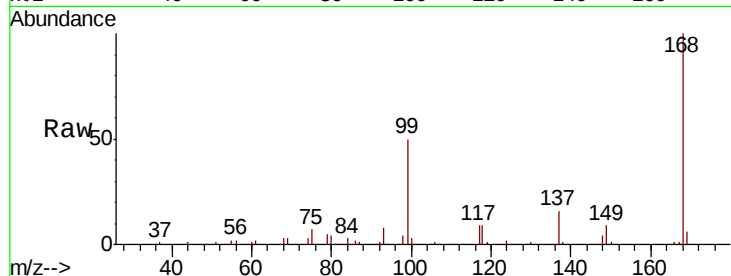
VX0830WBL01

Tot Ion:168 Resp: 307313

Ion Ratio Lower Upper

168 100

99 49.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

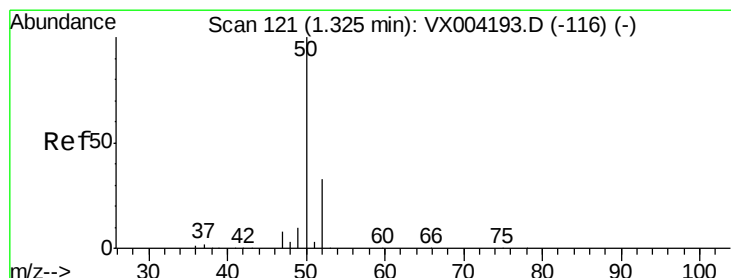
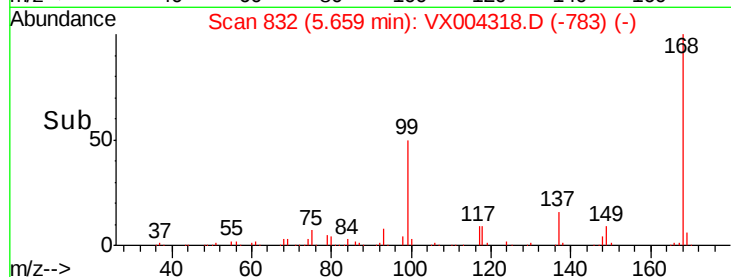
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004318.D

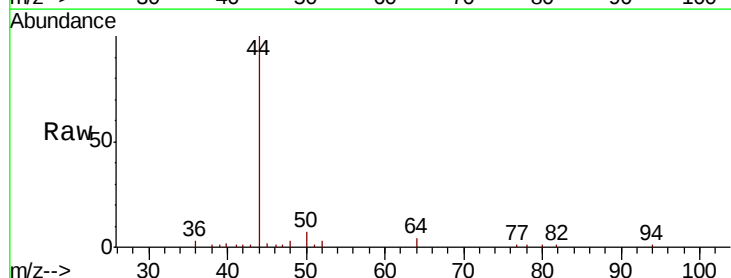
Acq: 30 Aug 2018 13:09

Tgt Ion: 50 Resp: 934

Ion Ratio Lower Upper

50 100

52 39.2 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

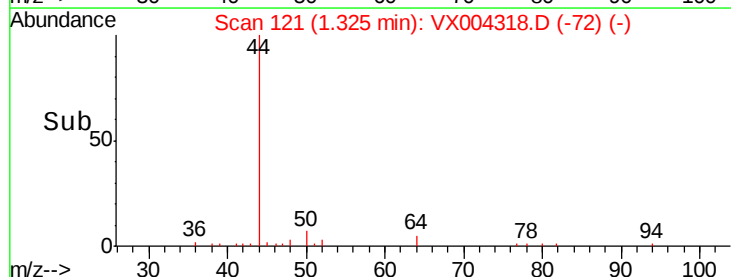
600

400

200

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

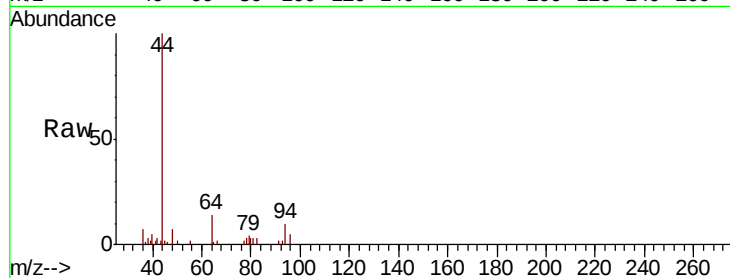
VX0830WBL01

Tot Ion: 94 Resp: 836

Ion Ratio Lower Upper

94 100

96 54.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

500

400

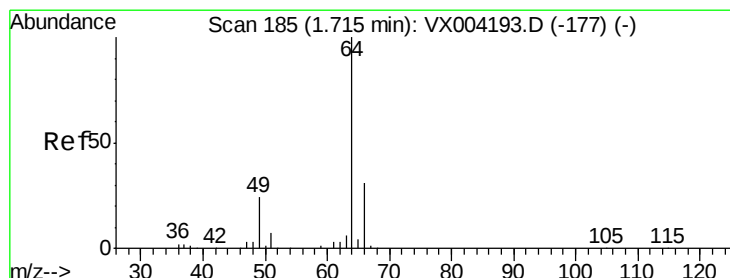
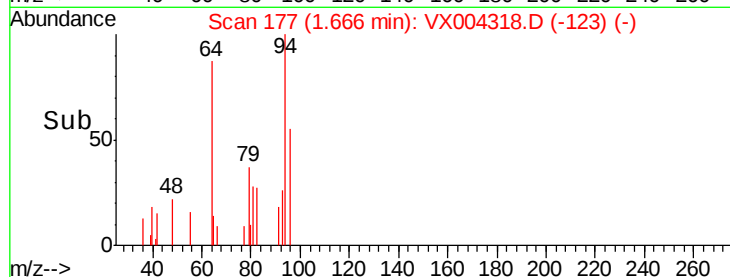
300

200

100

0

Time-->



#6

Chloroethane

Concen: 1.15 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004318.D

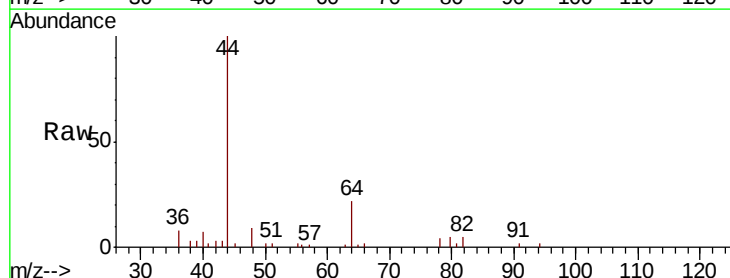
Acq: 30 Aug 2018 13:09

Tgt Ion: 64 Resp: 591

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1200

1000

800

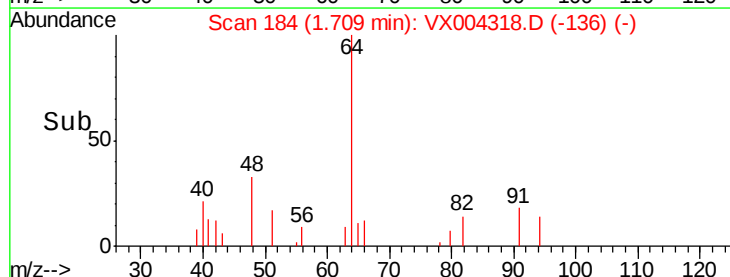
600

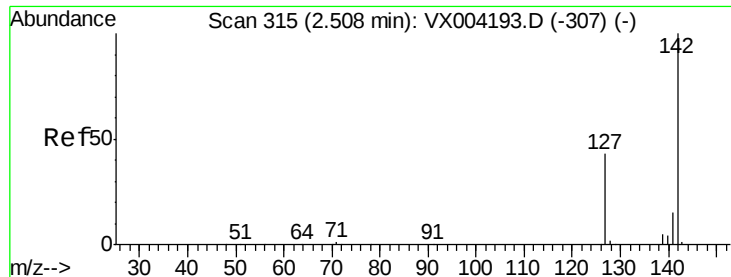
400

200

0

Time-->

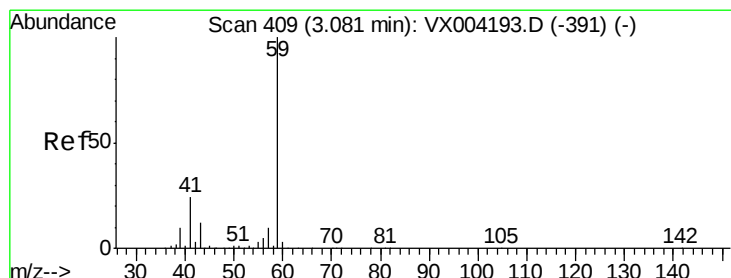
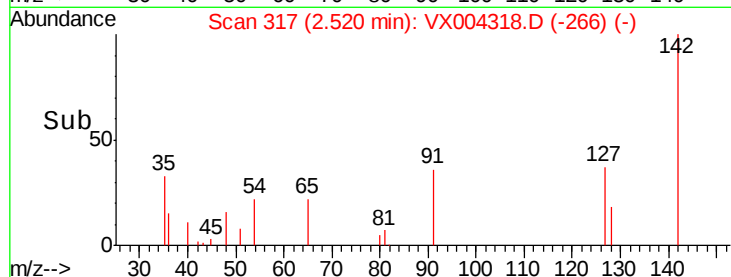
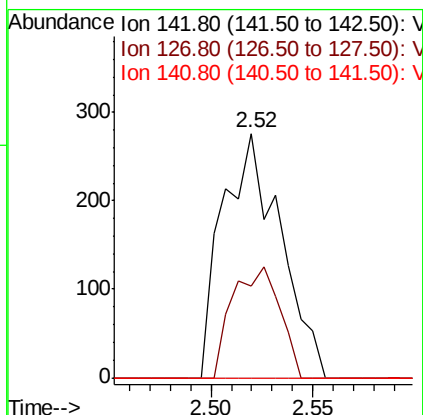
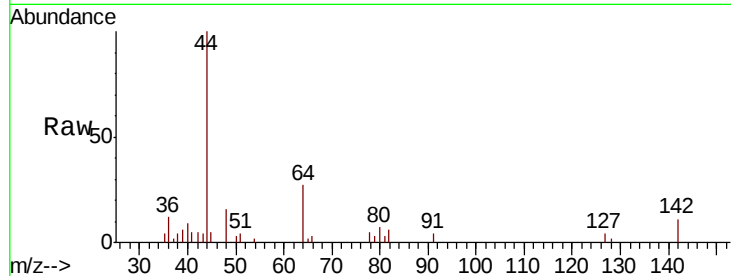




#10
Methyl Iodide
Concen: 4.39 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004318.D
Acq: 30 Aug 2018 13:09

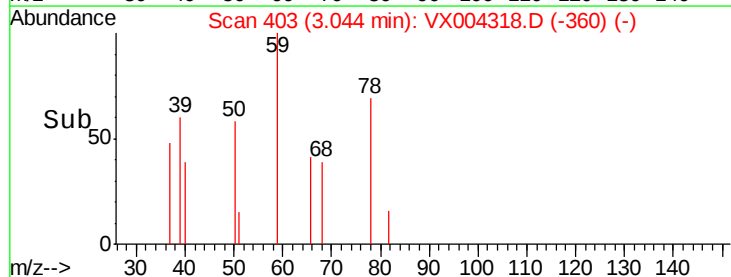
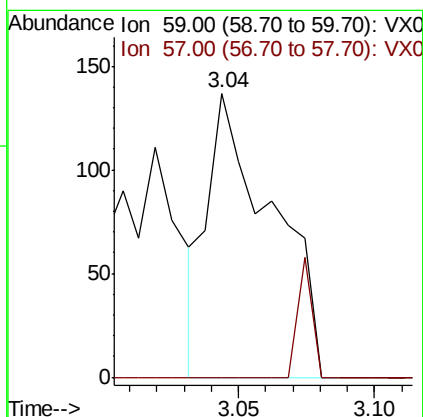
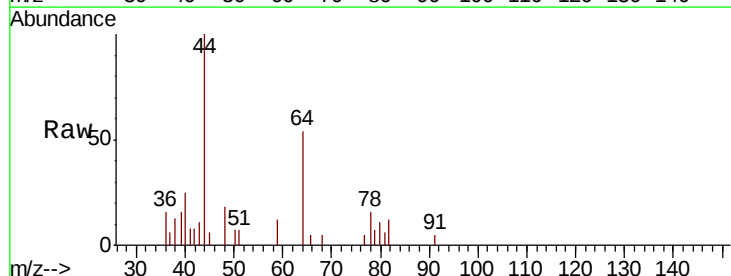
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBL01

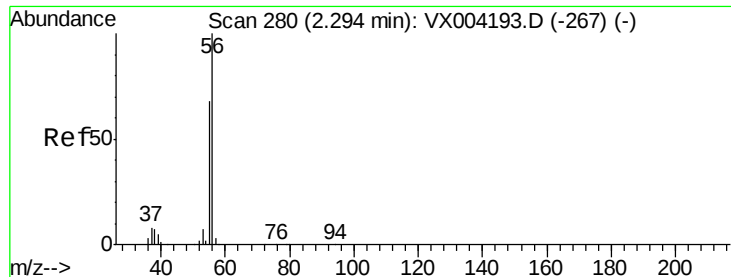
Tot Ion:142 Resp: 544
Ion Ratio Lower Upper
142 100
127 37.1 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.04 min
Lab File: VX004318.D
Acq: 30 Aug 2018 13:09

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.83 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

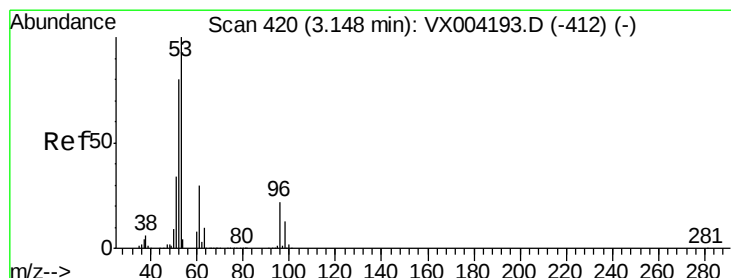
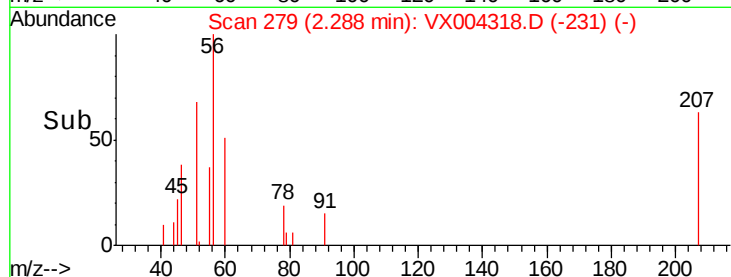
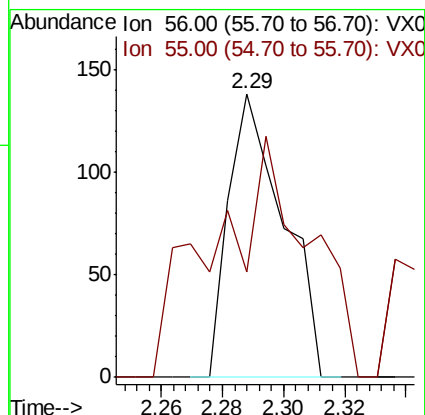
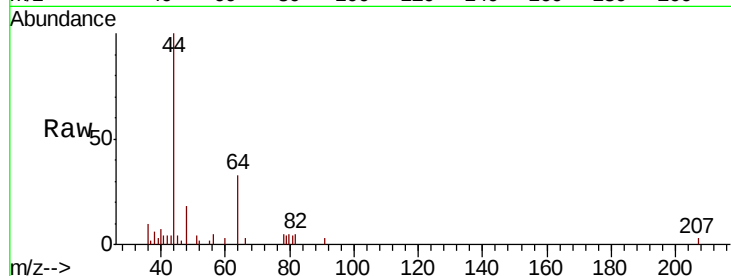
VX0830WBL01

Tot Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 109.4 54.7 82.1#



#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

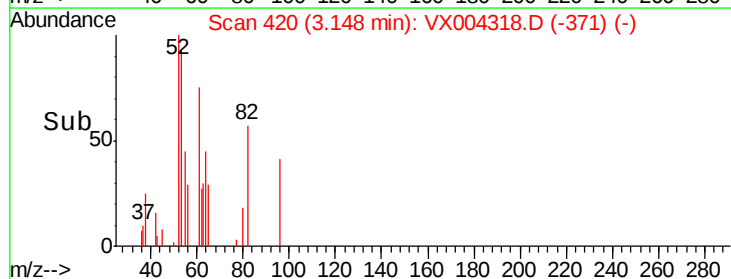
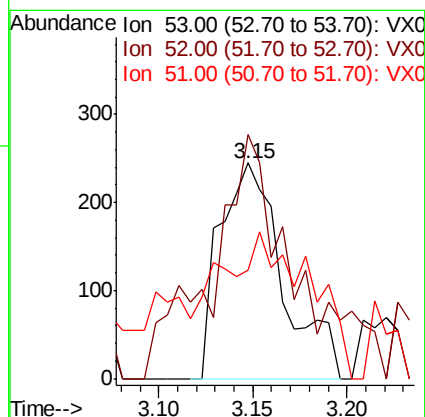
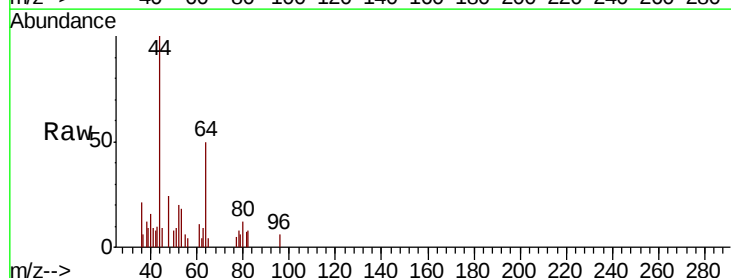
Tgt Ion: 53 Resp: 565

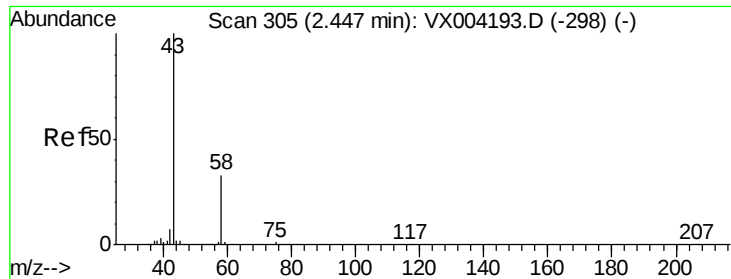
Ion Ratio Lower Upper

53 100

52 118.8 65.2 97.8#

51 98.4 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampled :

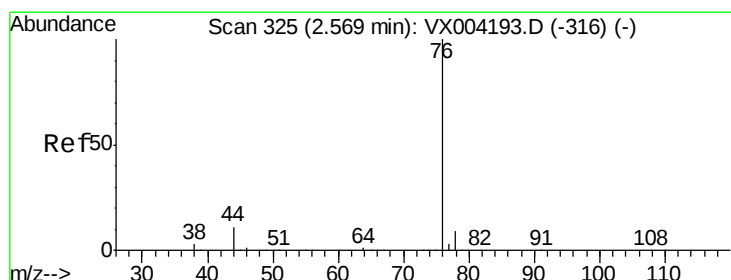
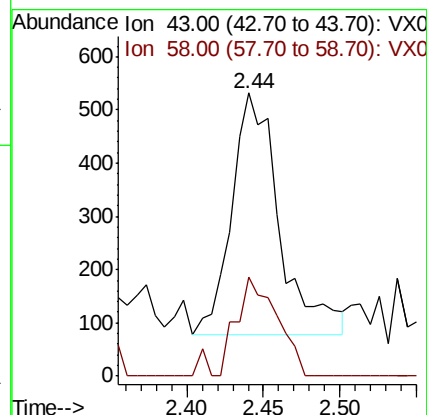
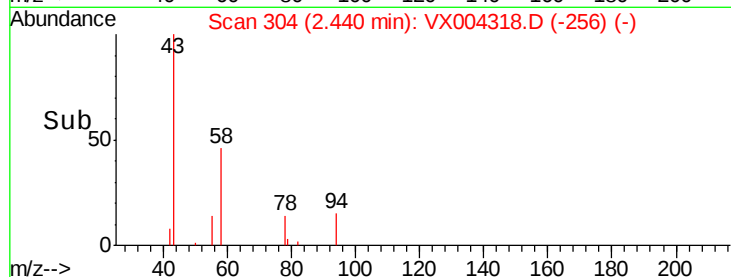
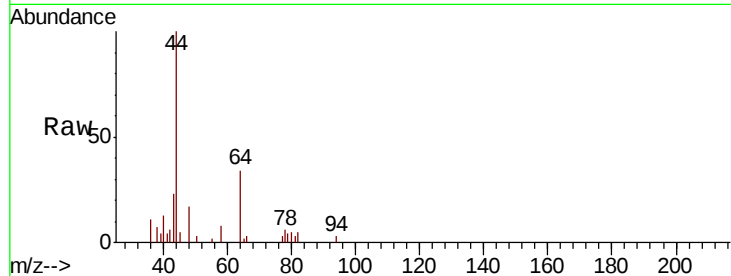
VX0830WBL01

Tot Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

58 41.2 26.2 39.4#



#17

Carbon Disulfide

Concen: 1.06 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX004318.D

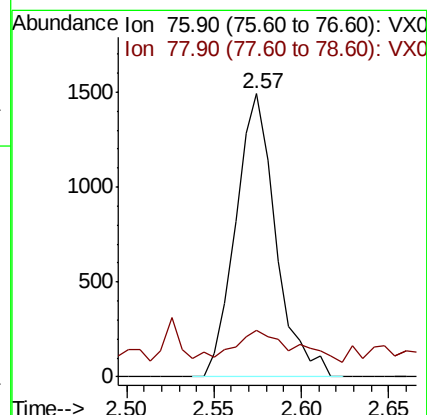
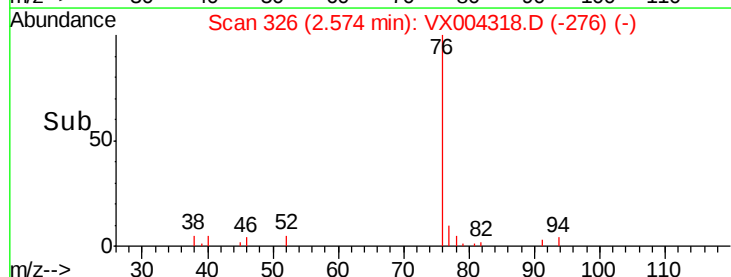
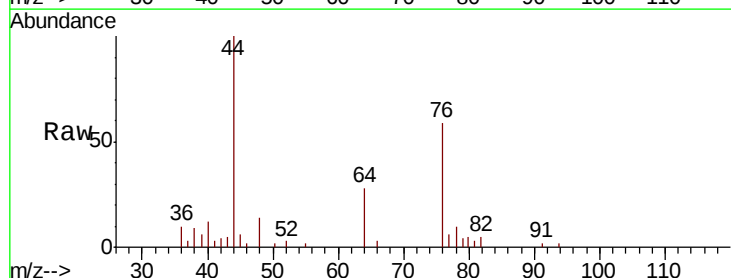
Acq: 30 Aug 2018 13:09

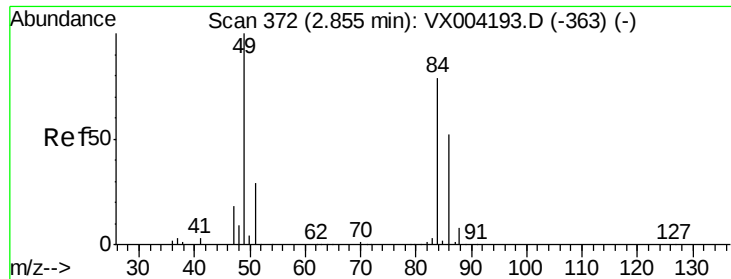
Tgt Ion: 76 Resp: 2380

Ion Ratio Lower Upper

76 100

78 11.4 7.0 10.6#





#20

Methylene Chloride

Concen: 0.38 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampled :

VX0830WBL01

Tot Ion: 84 Resp: 1468

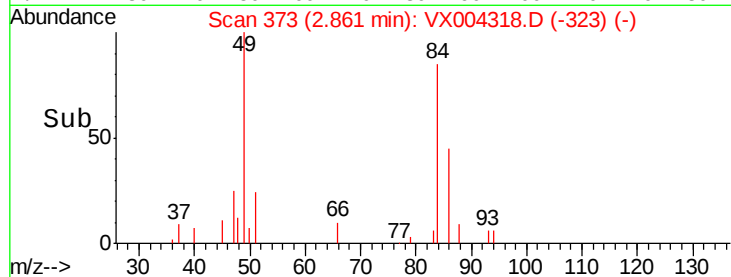
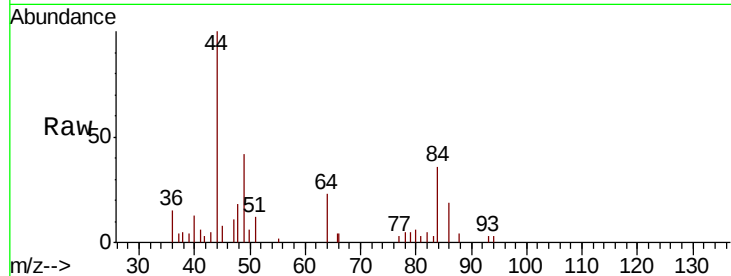
Ion Ratio Lower Upper

84 100

49 117.4 101.2 151.8

51 34.7 29.5 44.3

86 53.4 52.3 78.5

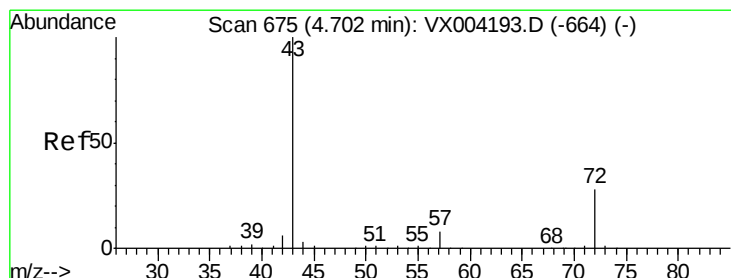
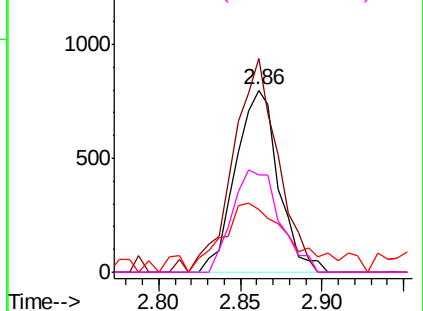


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: Below Cal

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX004318.D

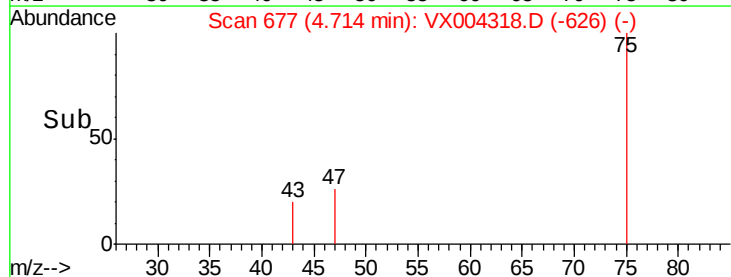
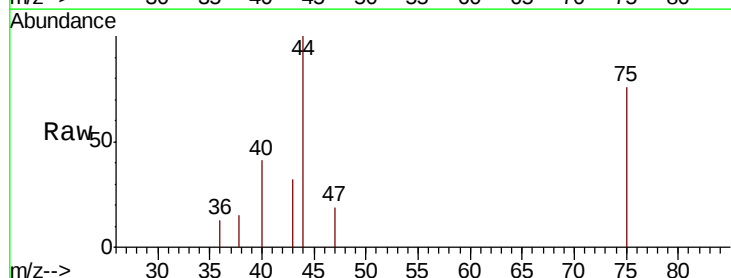
Acq: 30 Aug 2018 13:09

Tgt Ion: 43 Resp: 435

Ion Ratio Lower Upper

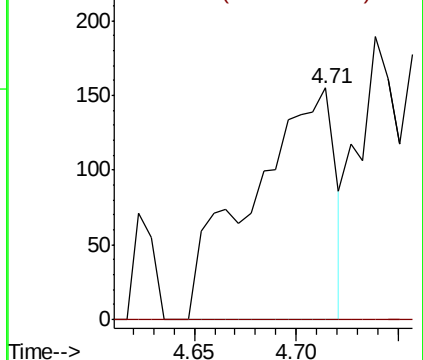
43 100

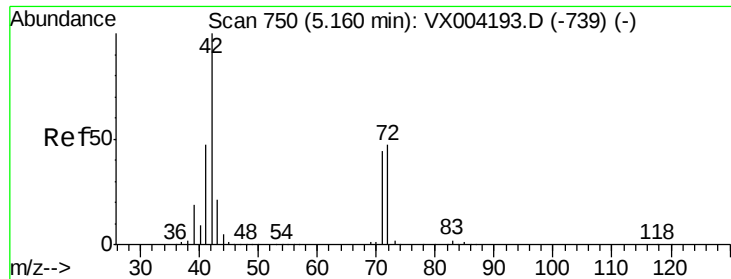
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



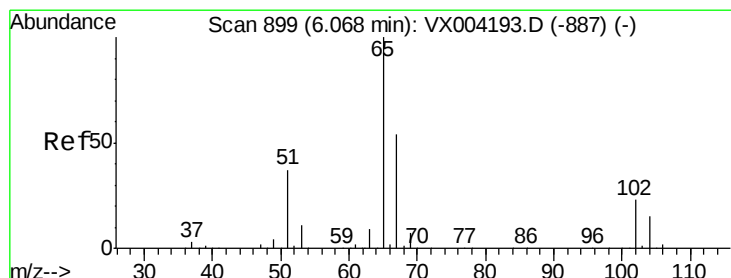
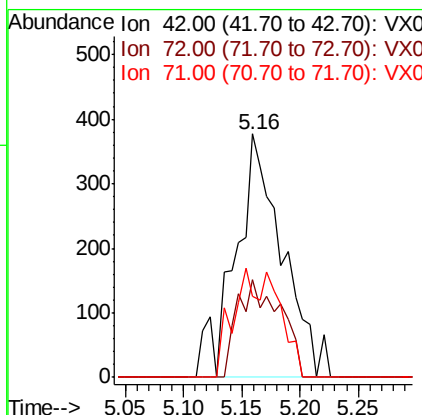
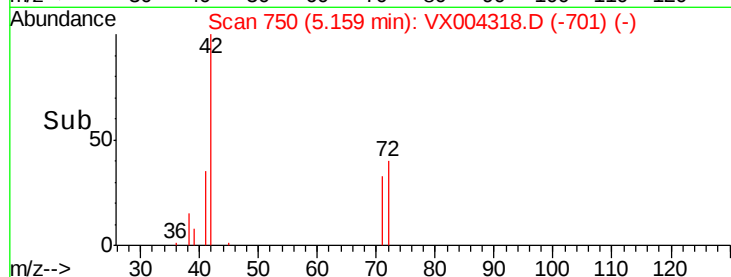
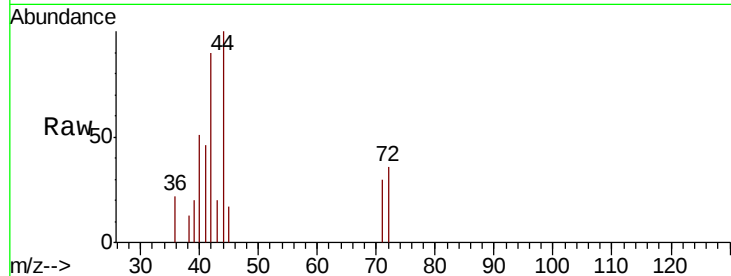


#29
Tetrahydrofuran
Concen: 0.62 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004318.D
Acq: 30 Aug 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBL01

Tot Ion: 42 Resp: 1060

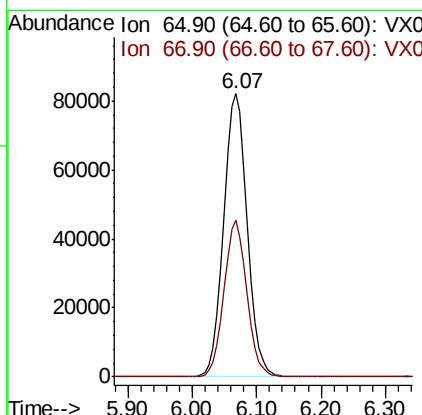
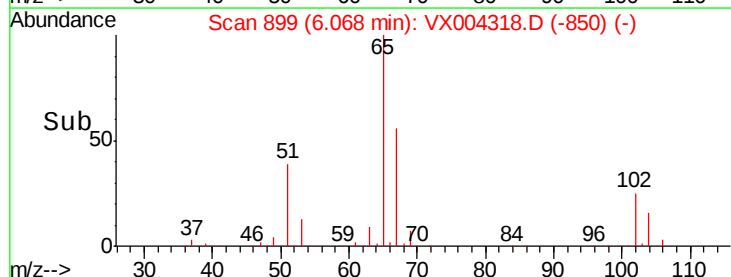
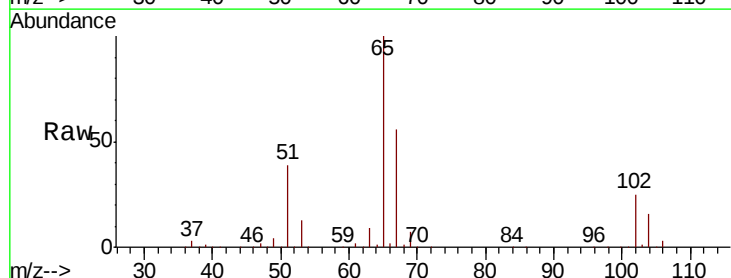
Ion	Ratio	Lower	Upper
42	100		
72	36.6	37.4	56.0#
71	24.4	34.5	51.7#

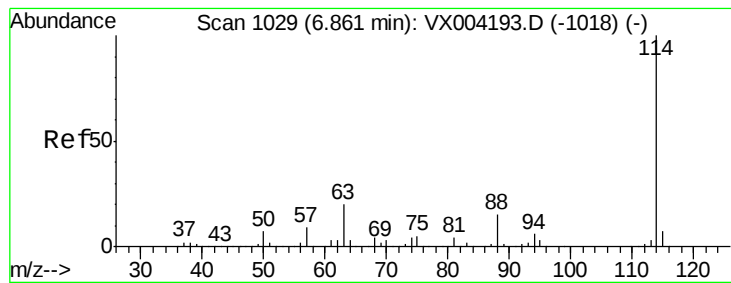


#33
1,2-Dichloroethane-d4
Concen: 53.01 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004318.D
Acq: 30 Aug 2018 13:09

Tgt Ion: 65 Resp: 212331

Ion	Ratio	Lower	Upper
65	100		
67	53.7	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: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBL01

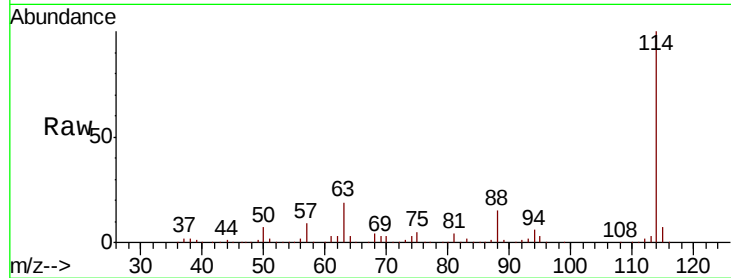
Tot Ion:114 Resp: 484936

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.0

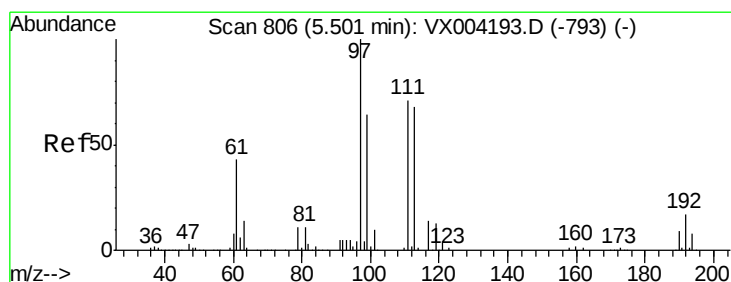
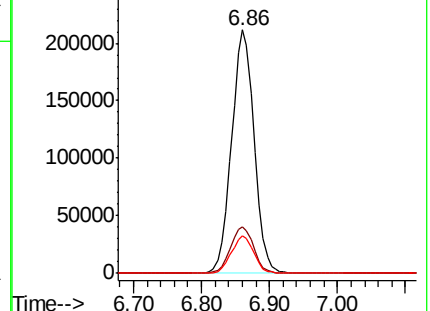
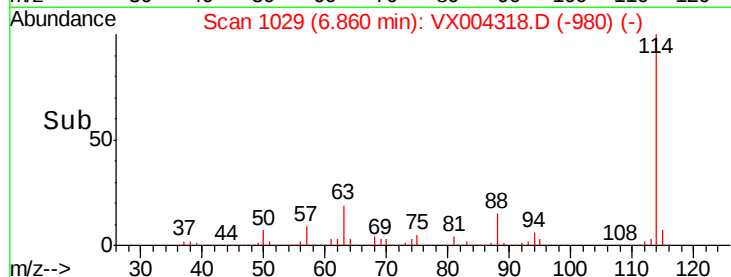
88 15.5 0.0 30.4



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: 52.57 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

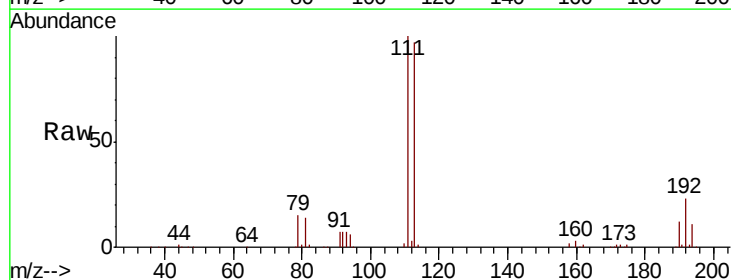
Tgt Ion:113 Resp: 189668

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

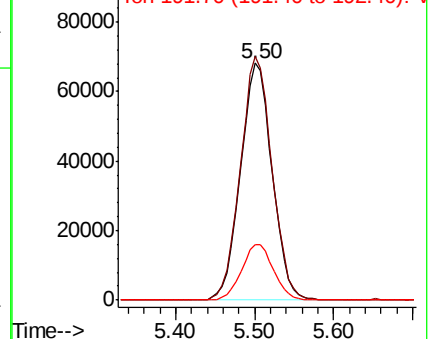
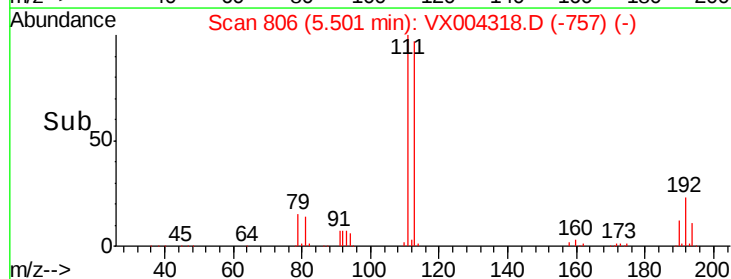
192 23.7 19.4 29.2

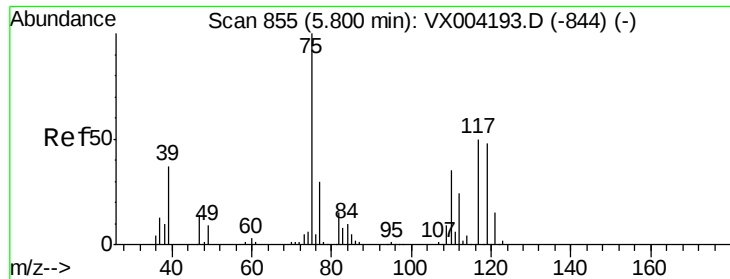


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.79 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBL01

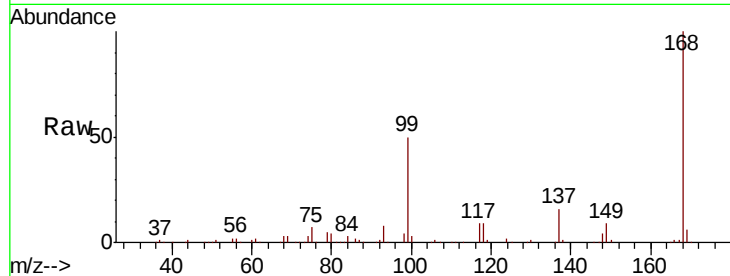
Tot Ion: 75 Resp: 20677

Ion Ratio Lower Upper

75 100

110 8.2 18.0 54.0#

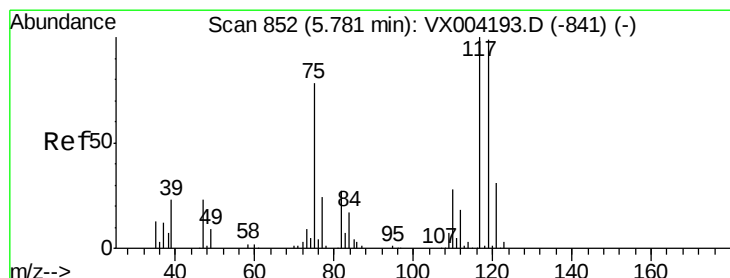
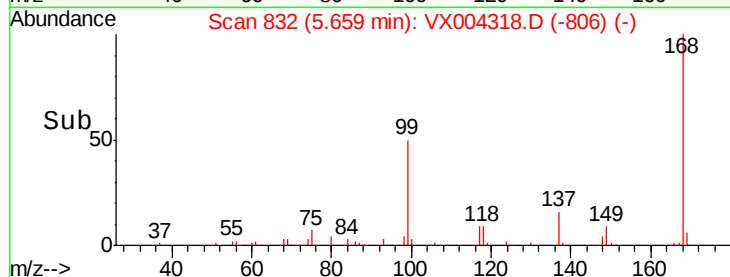
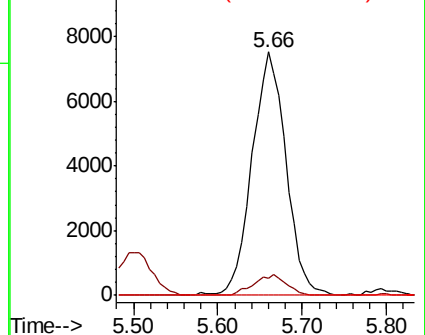
77 0.0 24.6 36.8#



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: 5.30 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

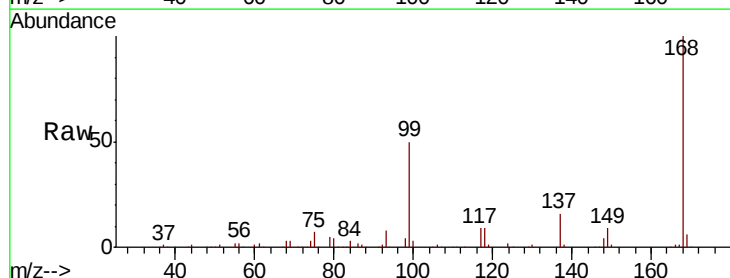
Tgt Ion: 117 Resp: 27204

Ion Ratio Lower Upper

117 100

119 7.1 78.8 118.2#

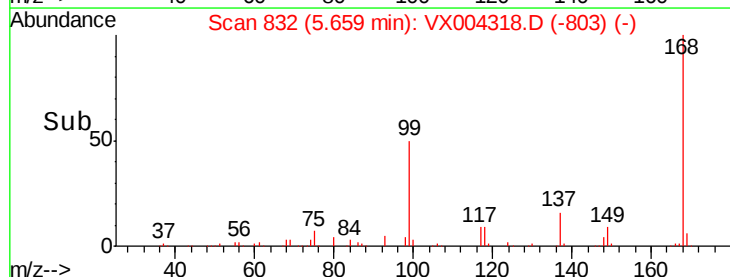
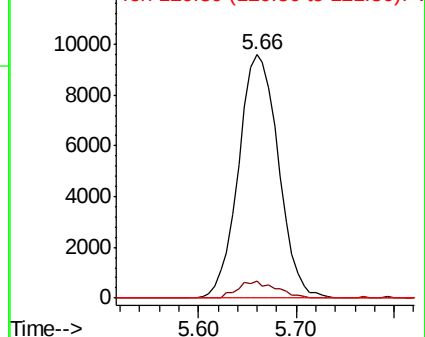
121 0.0 24.9 37.3#

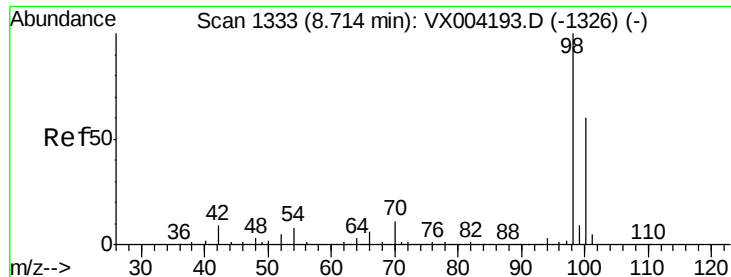


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.62 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

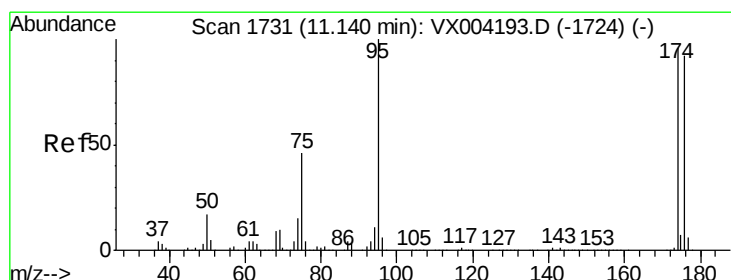
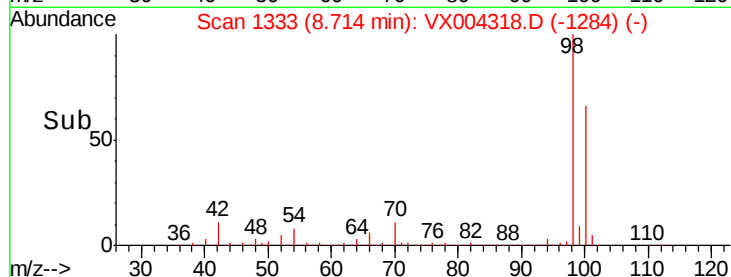
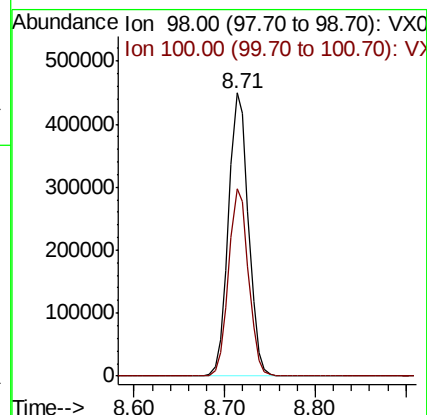
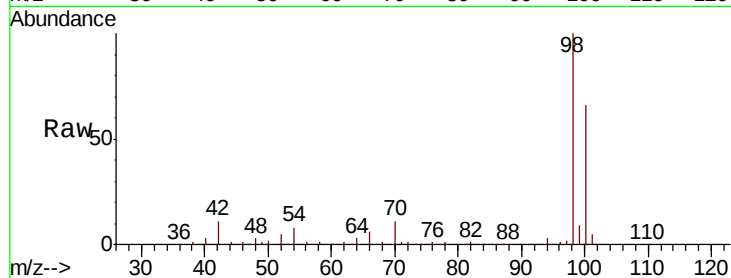
VX0830WBL01

Tot Ion: 98 Resp: 689277

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004318.D

Acq: 30 Aug 2018 13:09

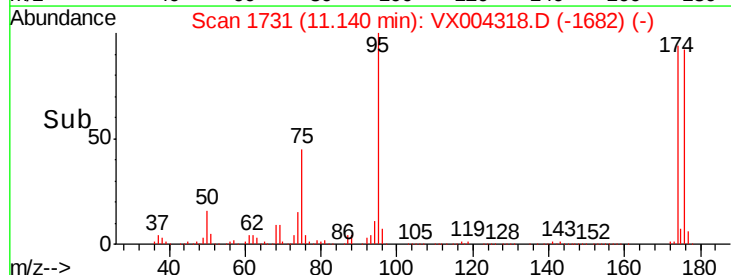
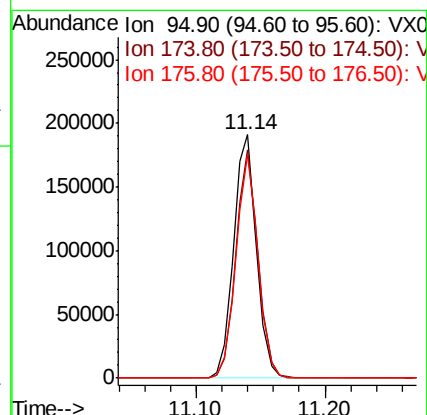
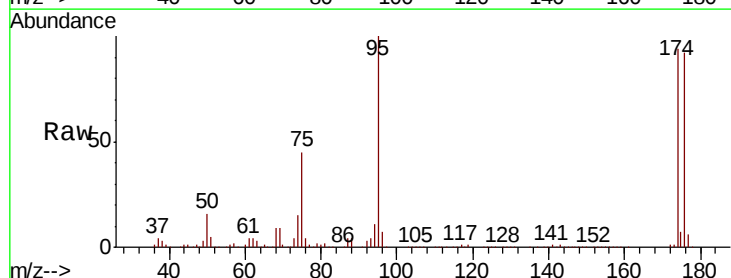
Tgt Ion: 95 Resp: 237651

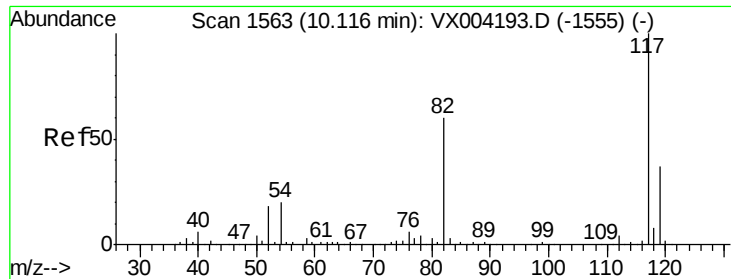
Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

176 89.0 0.0 178.6

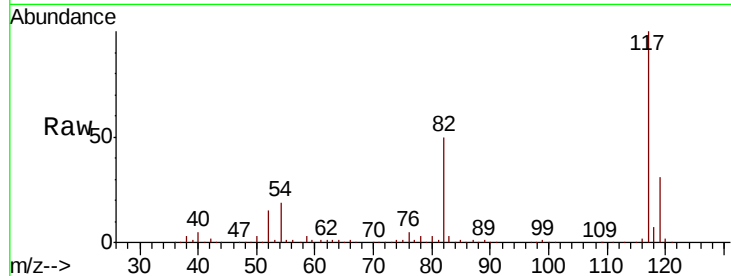




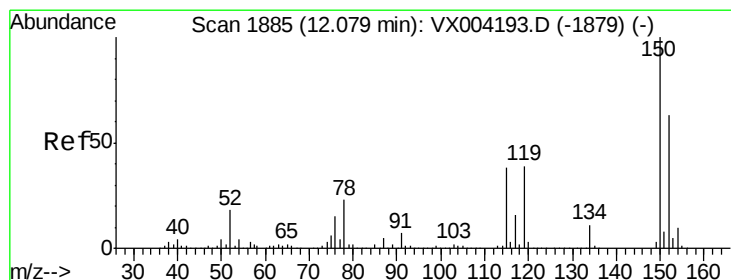
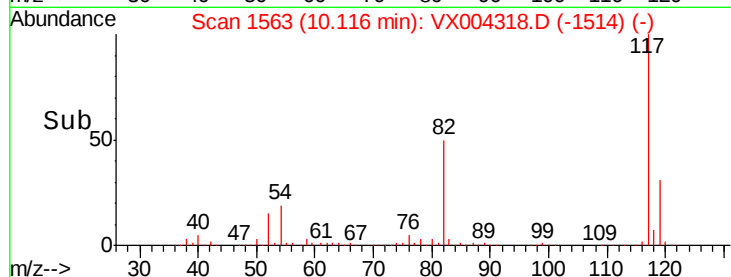
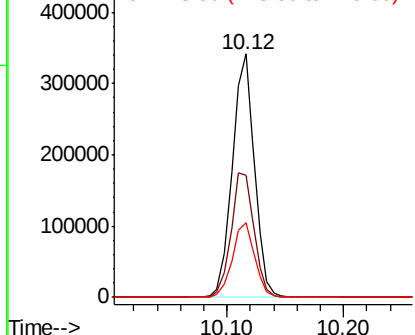
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004318.D
Acq: 30 Aug 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBL01

Tot Ion:117 Resp: 452023
Ion Ratio Lower Upper
117 100
82 50.1 47.8 71.6
119 30.8 29.3 43.9

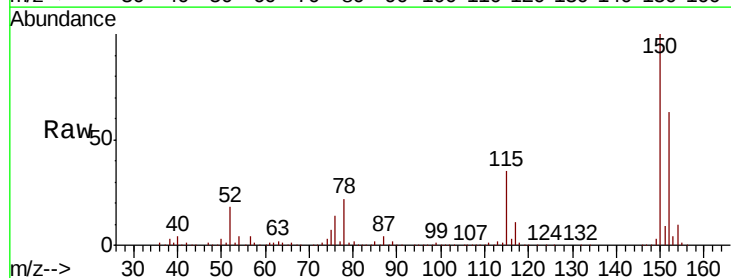


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

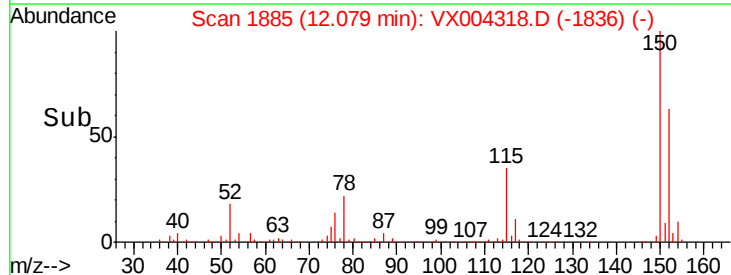
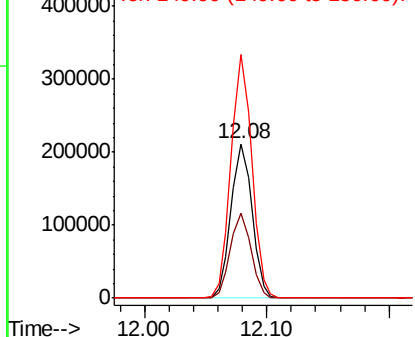


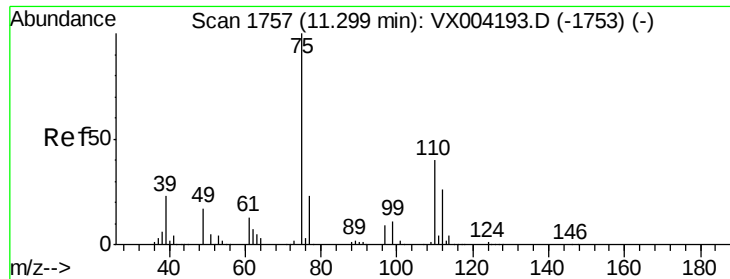
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004318.D
Acq: 30 Aug 2018 13:09

Tgt Ion:152 Resp: 251607
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 156.3 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

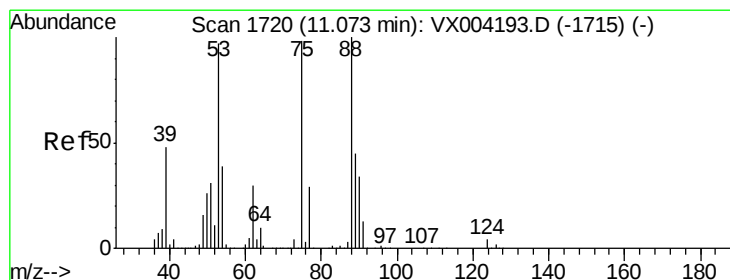
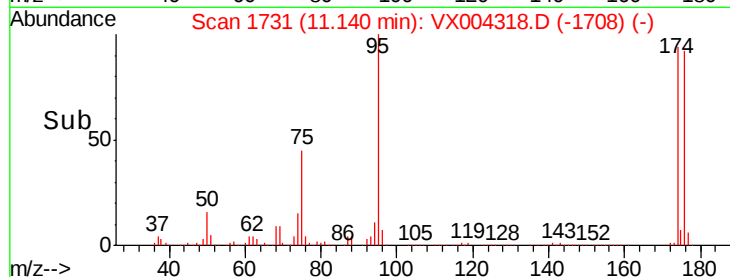
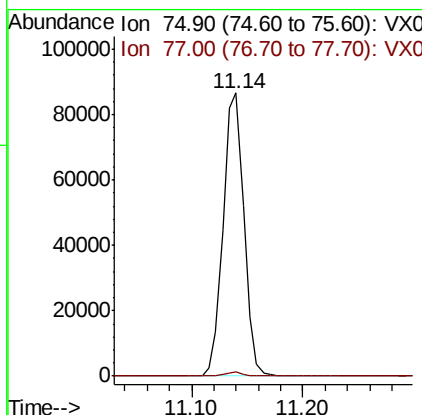
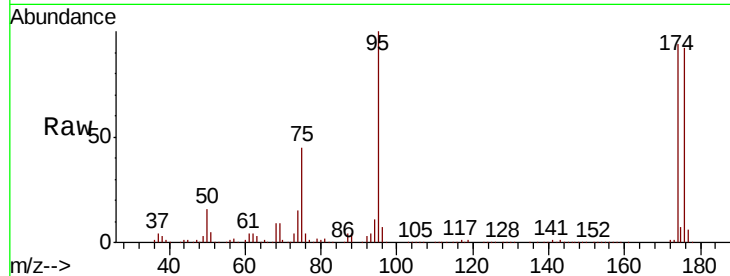




#76
 1,2,3-Trichloropropane
 Concen: 21.90 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004318.D
 Acq: 30 Aug 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBL01

Tot Ion: 75 Resp: 112080
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.06 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004318.D
 Acq: 30 Aug 2018 13:09

Tgt Ion: 75 Resp: 112080
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

