

Data File : VX008821.D
Acq On : 10 Apr 2019 22:08
Operator : JC/SP
Sample : VX0410WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0410WBL02

Quant Time: Apr 11 05:52:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135490	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	5.50	113	99677	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
50) Toluene-d8	8.71	98	417197	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	142381	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

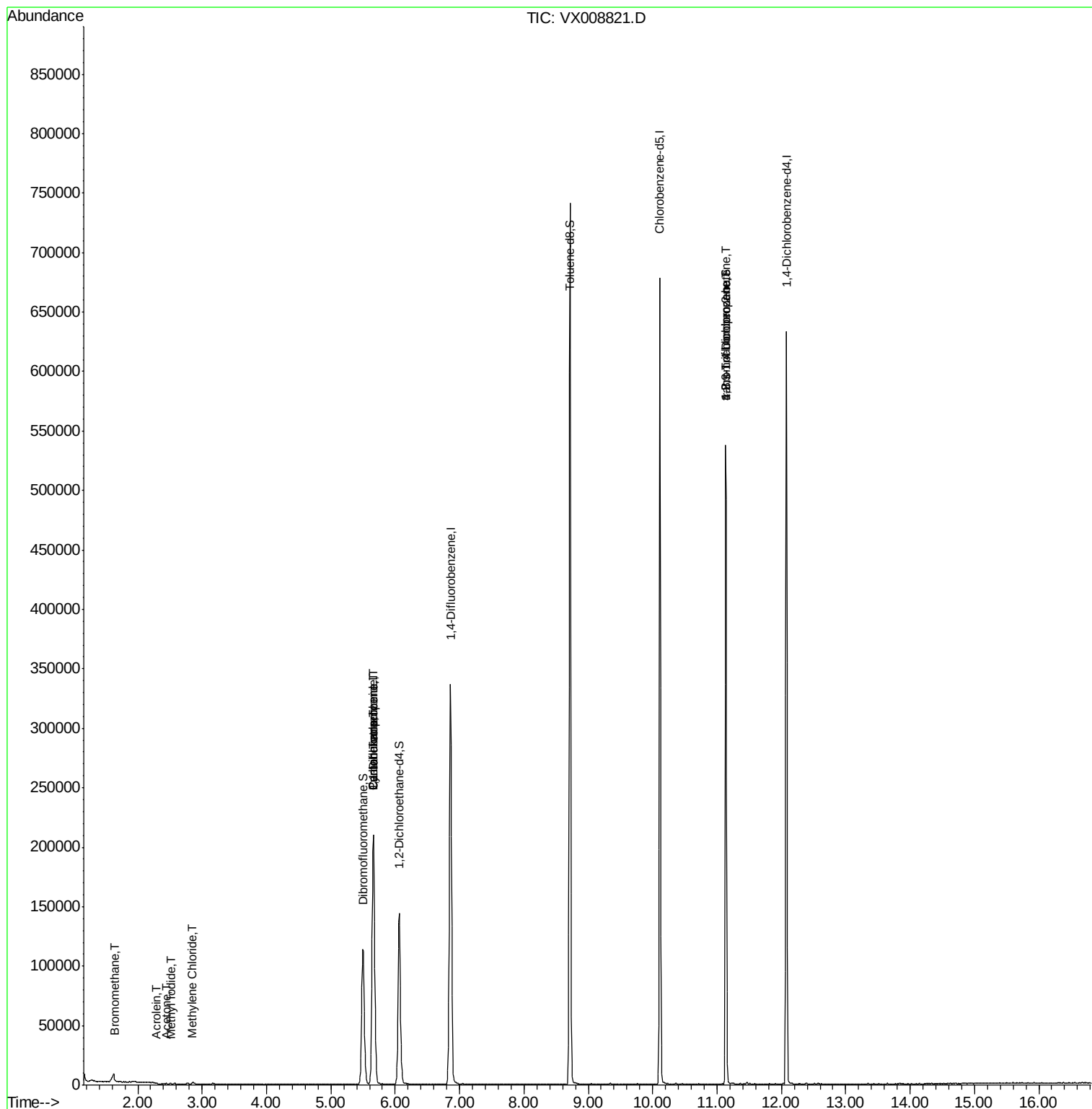
						Qvalue
3) Chloromethane	1.32	50	375	Below Cal		93
5) Bromomethane	1.64	94	416	2.143 ug/l #		76
6) Chloroethane	1.71	64	87	Below Cal #		43
10) Methyl Iodide	2.51	142	365	4.167 ug/l #		80
13) Acrolein	2.29	56	156	0.455 ug/l #		53
16) Acetone	2.44	43	627	0.368 ug/l #		77
17) Carbon Disulfide	2.57	76	1003	Below Cal		96
20) Methylene Chloride	2.85	84	590	0.207 ug/l #		76
28) Bromochloromethane	5.03	49	44	Below Cal #		22
31) Cyclohexane	5.66	56	4934	0.966 ug/l #		1
36) 1,1-Dichloropropene	5.65	75	16610	4.607 ug/l #		51
38) Carbon Tetrachloride	5.66	117	19391	6.498 ug/l #		17
76) 1,2,3-Trichloropropane	11.13	75	72909	20.979 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	72909	57.831 ug/l #		9

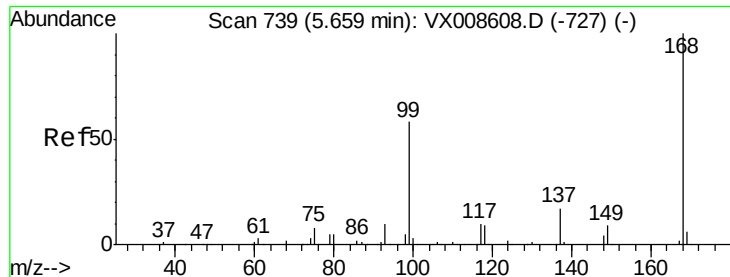
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008821.D

Acq: 10 Apr 2019 22:08

Instrument :

MSVOA_X

ClientSampleId :

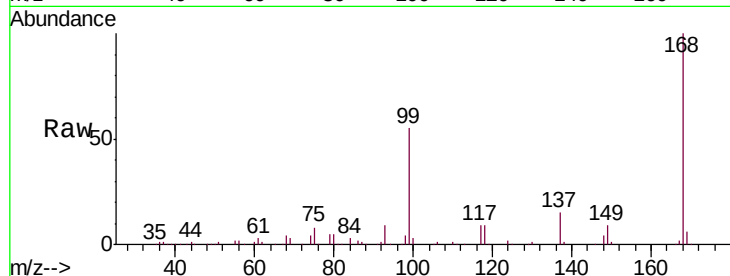
VX0410WBL02

Tgt Ion:168 Resp: 202693

Ion Ratio Lower Upper

168 100

99 55.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

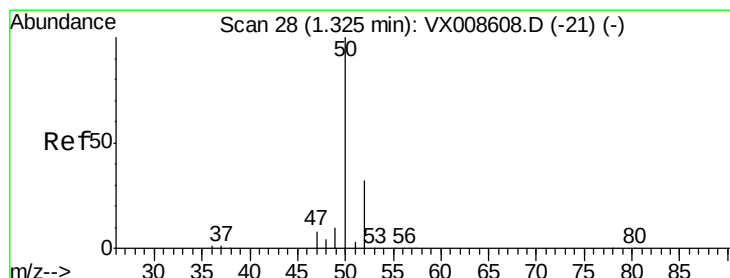
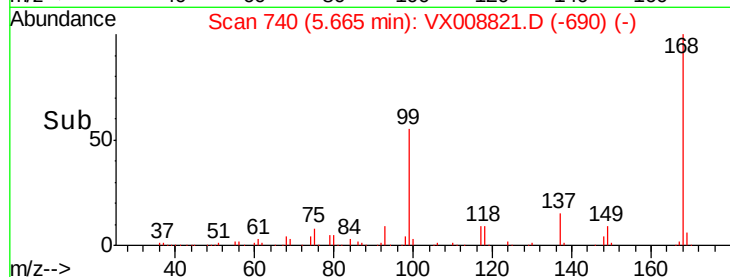
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008821.D

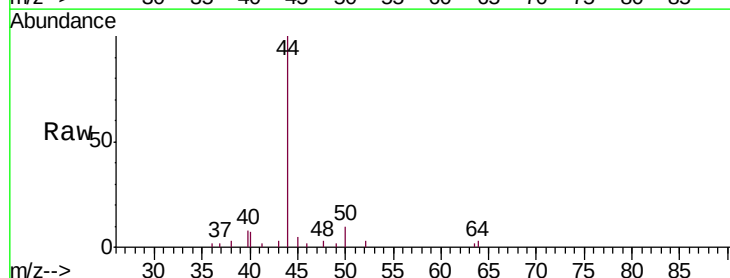
Acq: 10 Apr 2019 22:08

Tgt Ion: 50 Resp: 375

Ion Ratio Lower Upper

50 100

52 28.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

150

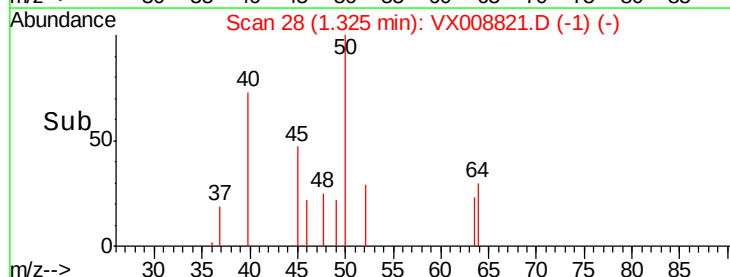
100

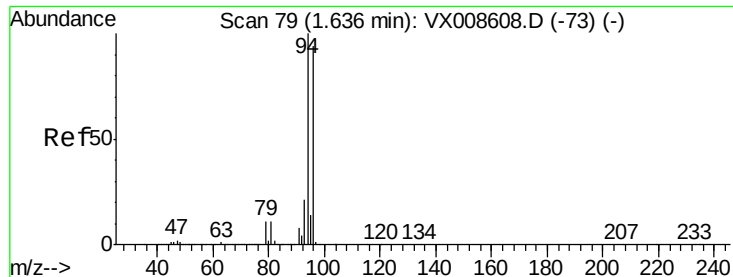
50

0

Time-->

1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.143 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008821.D

Acq: 10 Apr 2019 22:08

Instrument :

MSVOA_X

ClientSampleId :

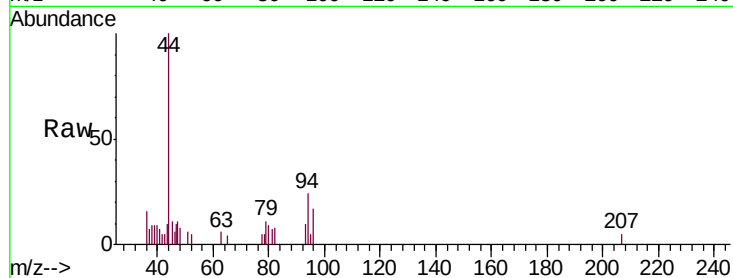
VX0410WBL02

Tgt Ion: 94 Resp: 416

Ion Ratio Lower Upper

94 100

96 71.1 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

100

50

0

1.60

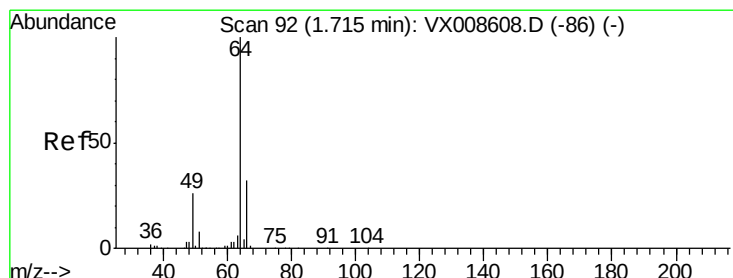
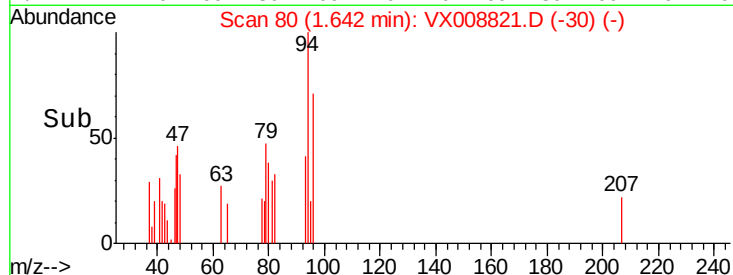
1.62

1.64

1.66

1.68

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008821.D

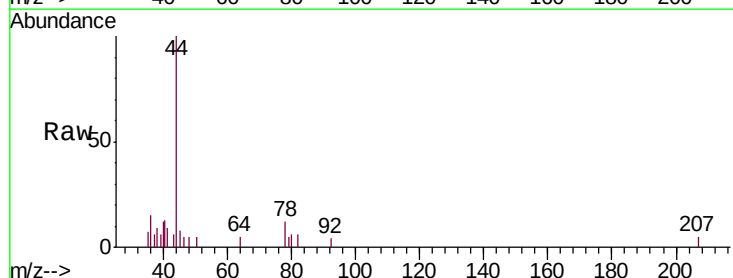
Acq: 10 Apr 2019 22:08

Tgt Ion: 64 Resp: 87

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80

60

40

20

0

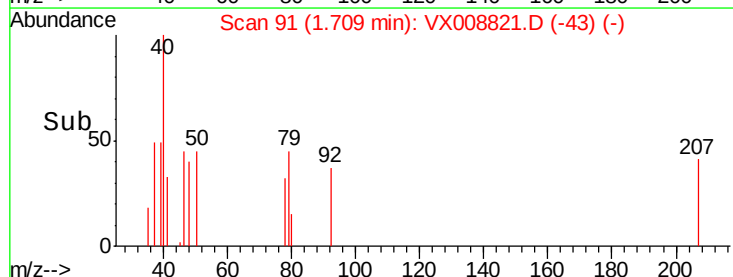
1.68

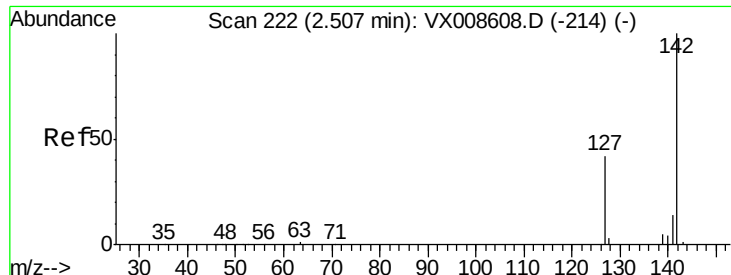
1.70

1.71

1.72

Time-->

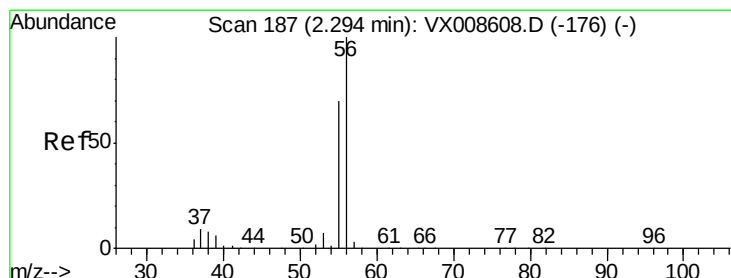
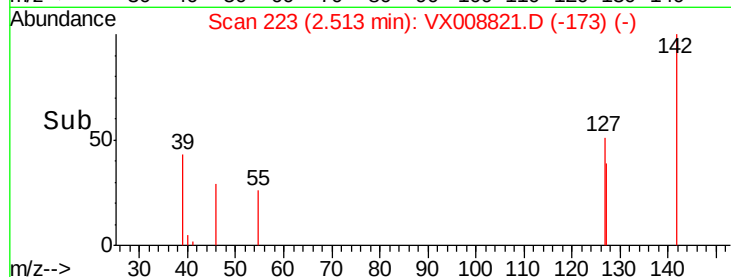
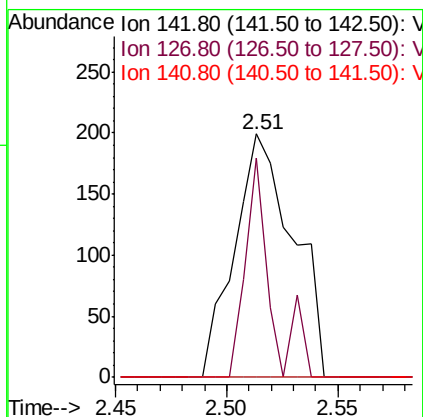
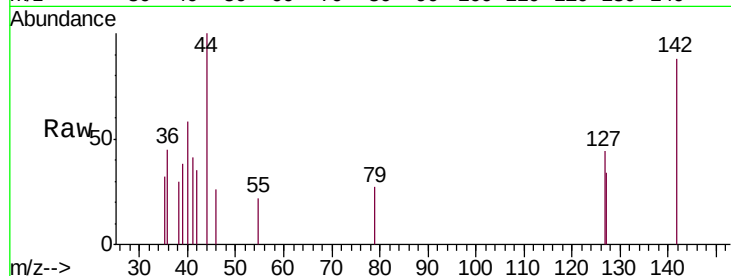




#10
Methyl Iodide
Concen: 4.167 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

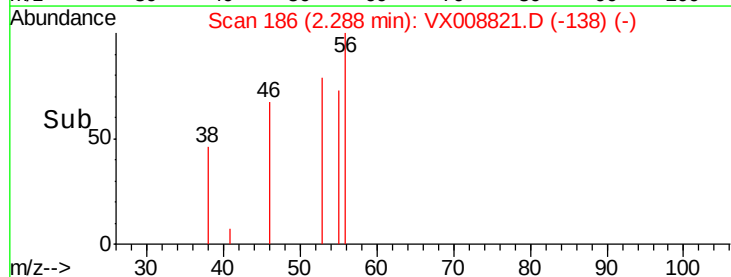
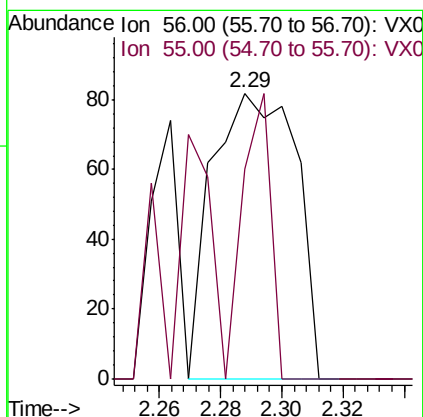
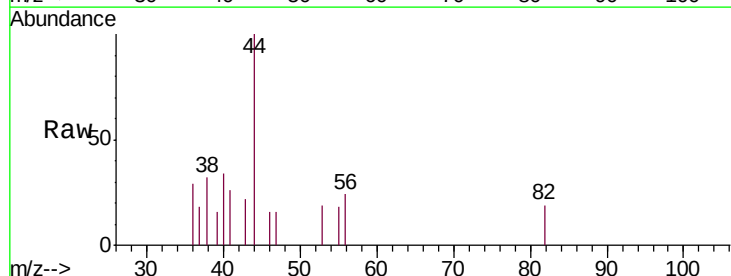
Instrument :
MSVOA_X
ClientSampled :
VX0410WBL02

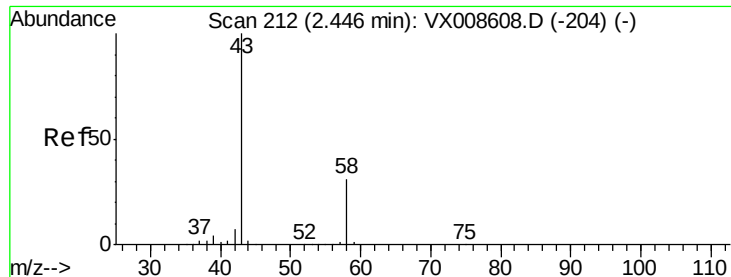
Tgt Ion: 142 Resp: 365
Ion Ratio Lower Upper
142 100
127 31.8 33.0 49.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.455 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 33.3 58.0 87.0#





#16

Acetone

Concen: 0.368 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008821.D

Acq: 10 Apr 2019 22:08

Instrument :

MSVOA_X

ClientSampleId :

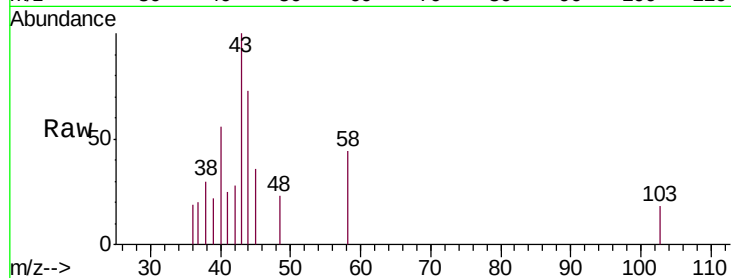
VX0410WBL02

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

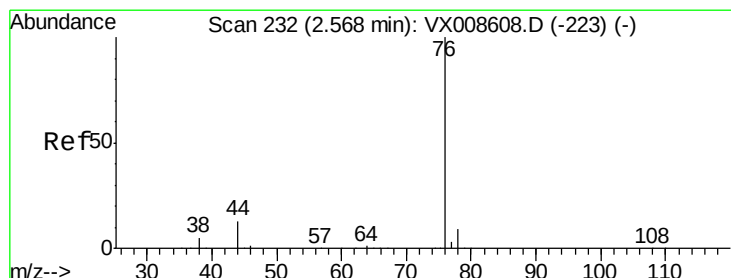
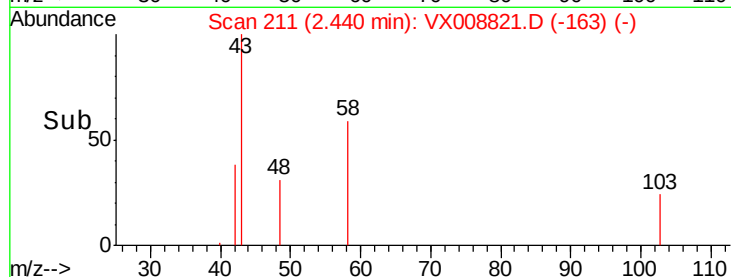
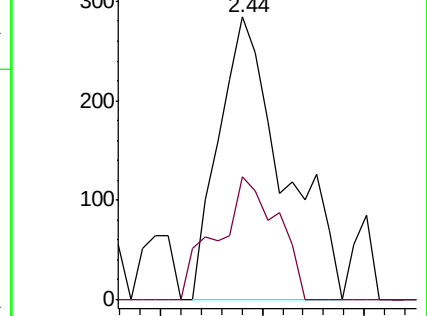
43 100

58 43.7 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008821.D

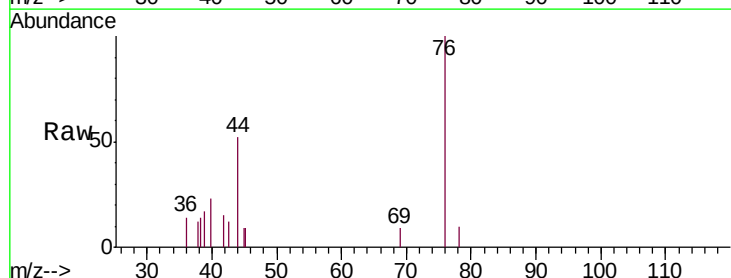
Acq: 10 Apr 2019 22:08

Tgt Ion: 76 Resp: 1003

Ion Ratio Lower Upper

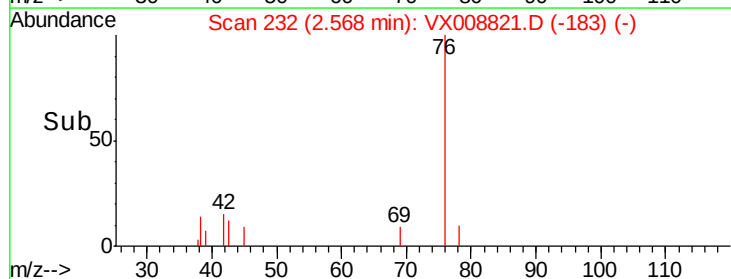
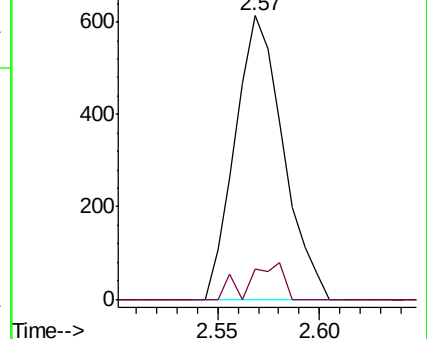
76 100

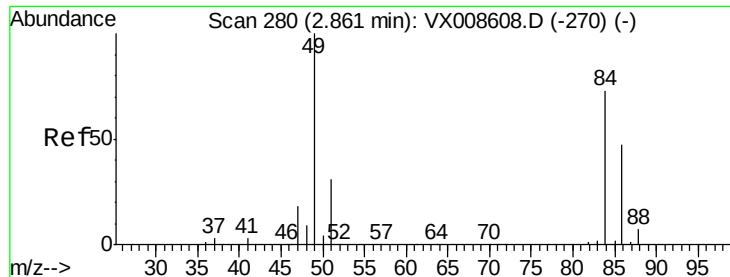
78 10.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.207 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008821.D

Acq: 10 Apr 2019 22:08

Instrument :

MSVOA_X

ClientSampleId :

VX0410WBL02

Tgt Ion: 84 Resp: 590

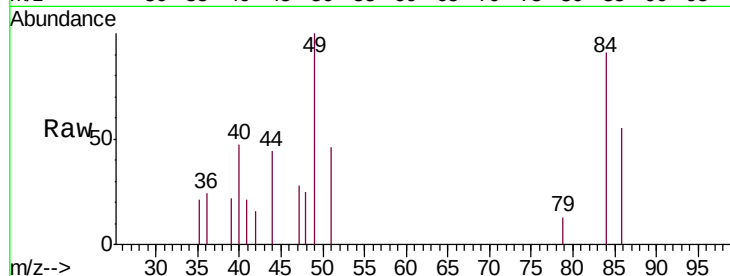
Ion Ratio Lower Upper

84 100

49 94.6 109.7 164.5#

51 51.1 33.6 50.4#

86 60.7 51.4 77.2

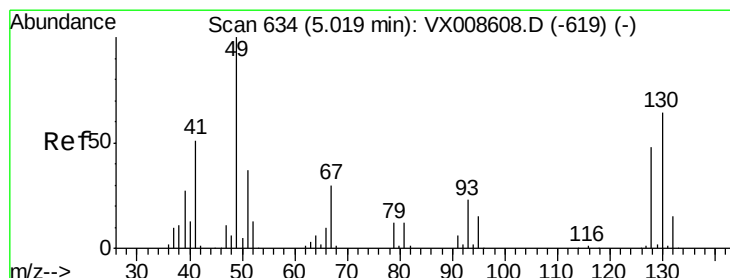
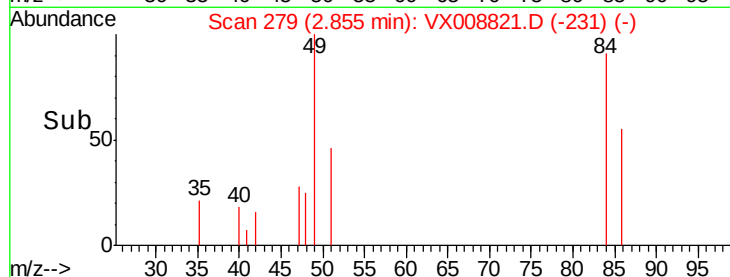
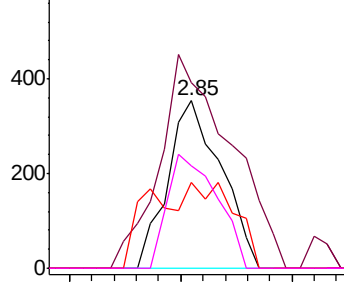


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008821.D

Acq: 10 Apr 2019 22:08

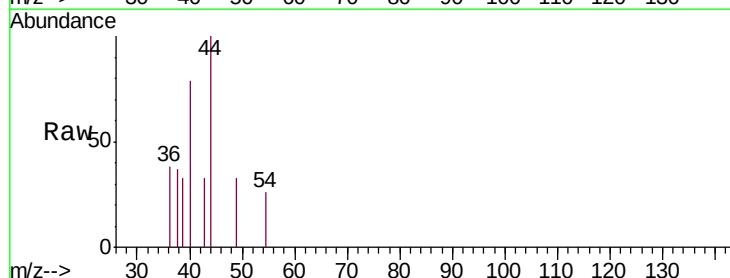
Tgt Ion: 49 Resp: 44

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

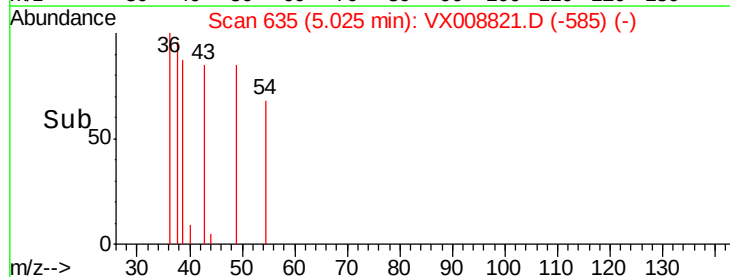
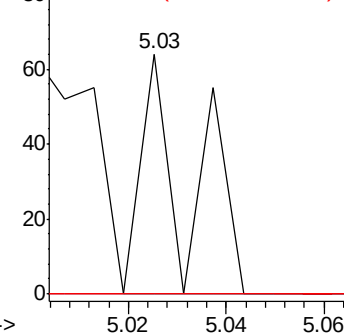
130 0.0 49.3 73.9#

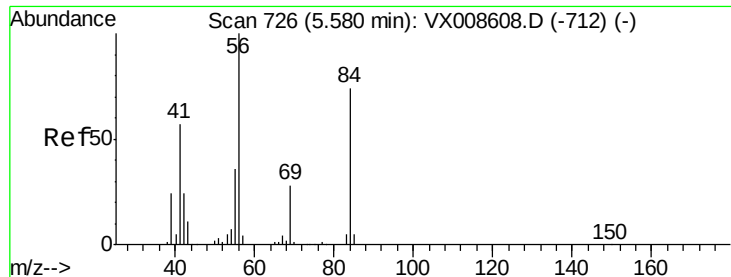


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

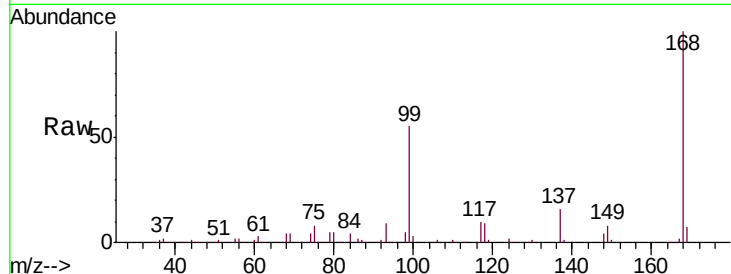




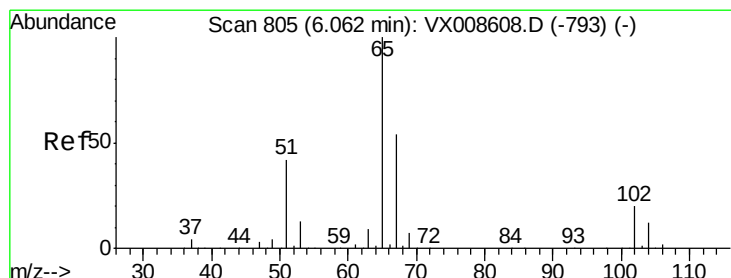
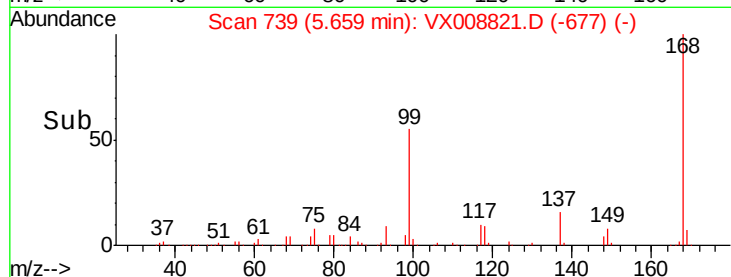
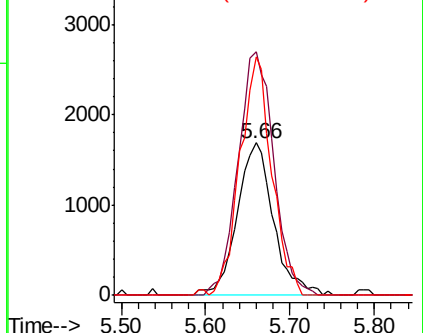
#31
Cyclohexane
Concen: 0.966 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

Instrument :
MSVOA_X
ClientSampleId :
VX0410WBL02

Tgt Ion: 56 Resp: 4934
Ion Ratio Lower Upper
56 100
69 159.8 22.6 33.8#
84 156.5 59.3 88.9#

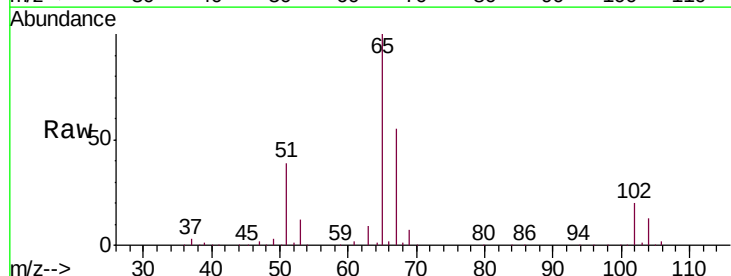


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

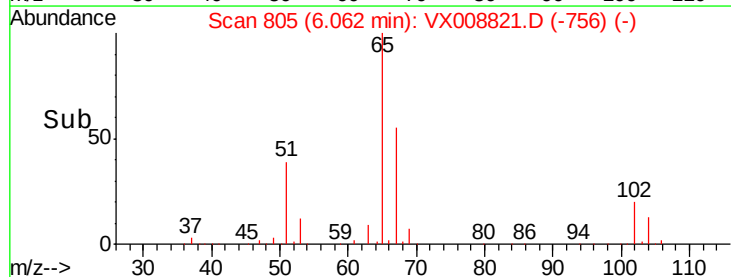
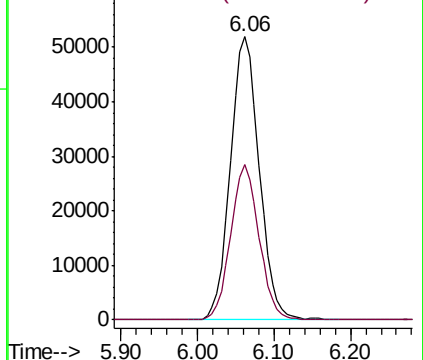


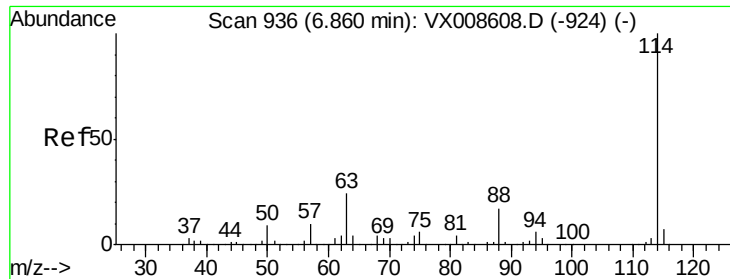
#33
1,2-Dichloroethane-d4
Concen: 45.829 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

Tgt Ion: 65 Resp: 135490
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

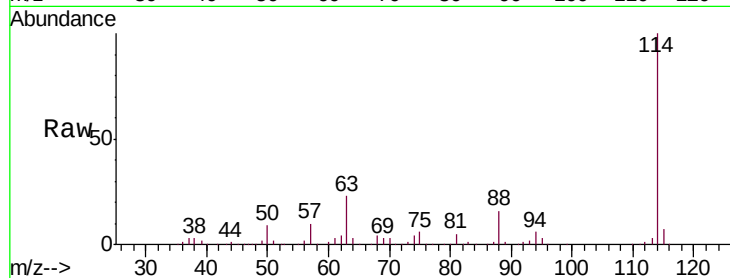




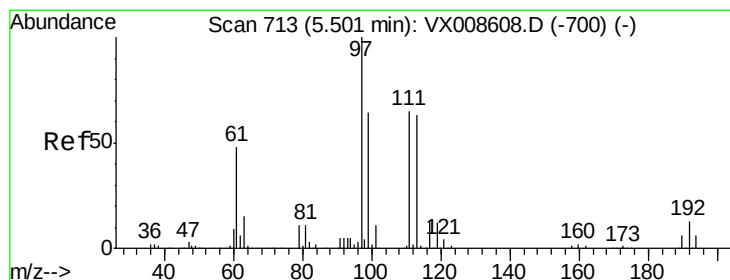
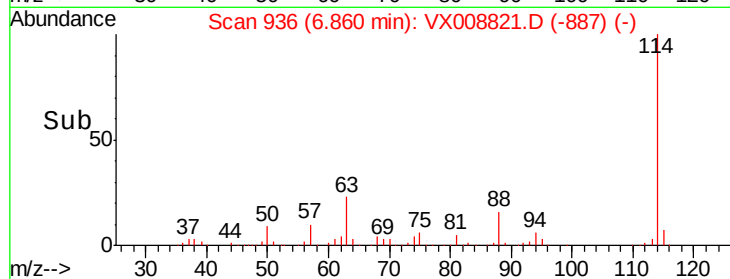
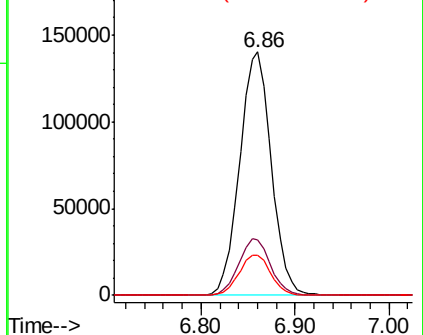
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008821.D
 Acq: 10 Apr 2019 22:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBL02

Tgt Ion:114 Resp: 329843
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.2
 88 16.5 0.0 34.0

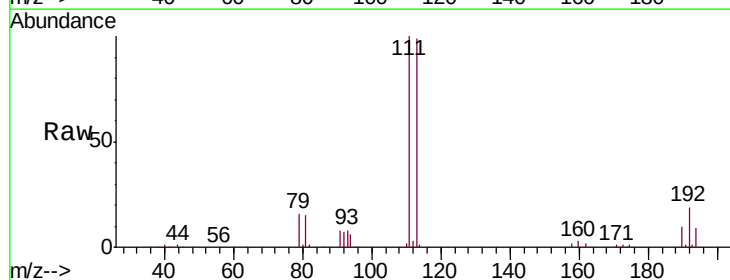


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

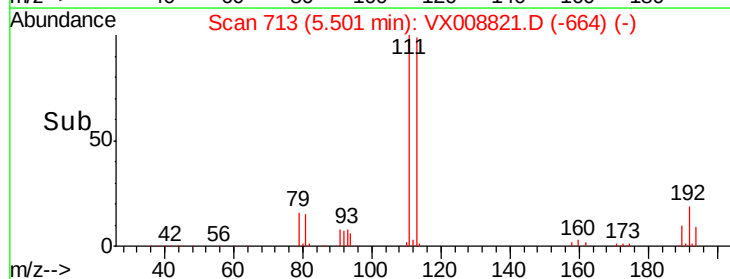
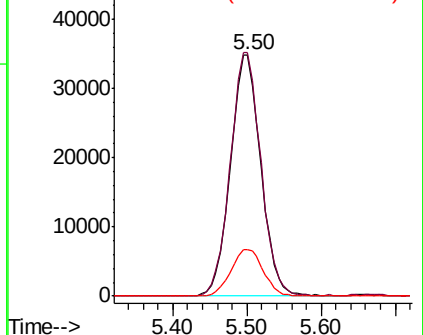


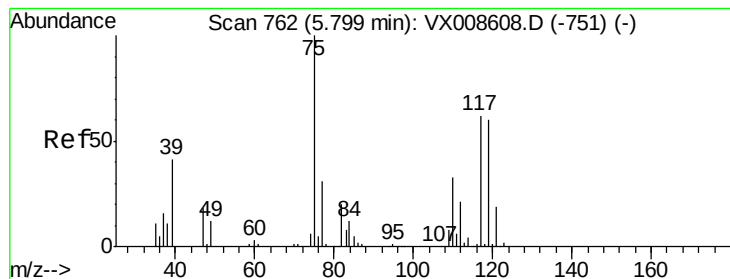
#35
 Dibromofluoromethane
 Concen: 47.265 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008821.D
 Acq: 10 Apr 2019 22:08

Tgt Ion:113 Resp: 99677
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.4 125.2
 192 20.5 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008821.D

Acq: 10 Apr 2019 22:08

Instrument :

MSVOA_X

ClientSampleId :

VX0410WBL02

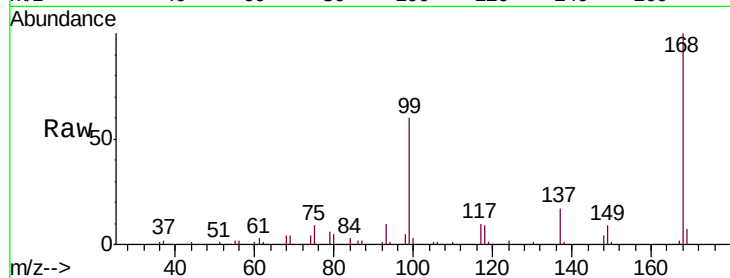
Tgt Ion: 75 Resp: 16610

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.2#

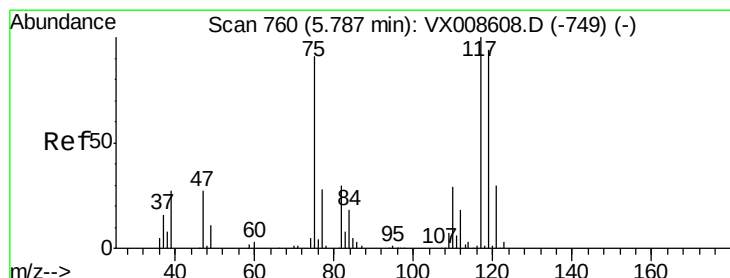
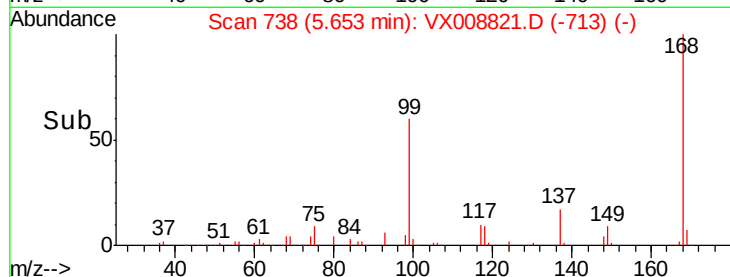
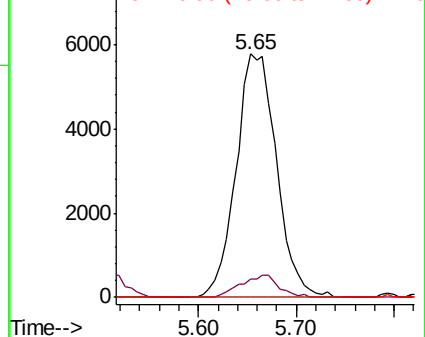
77 0.0 24.7 37.1#



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: 6.498 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008821.D

Acq: 10 Apr 2019 22:08

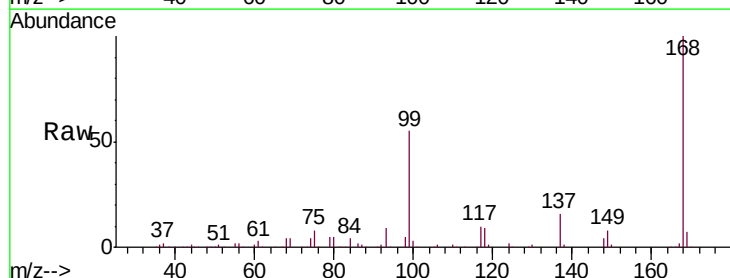
Tgt Ion: 117 Resp: 19391

Ion Ratio Lower Upper

117 100

119 5.6 75.0 112.6#

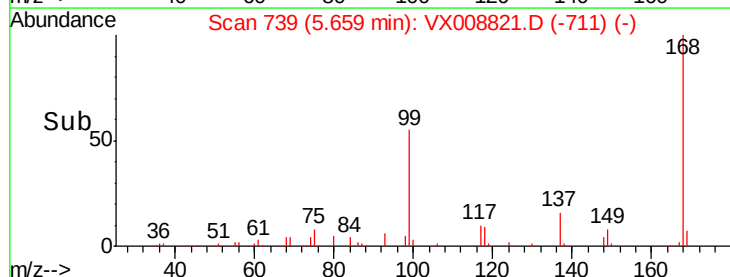
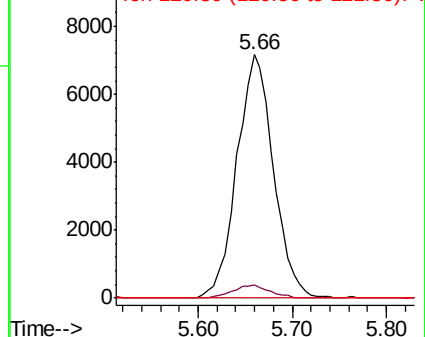
121 0.0 24.3 36.5#

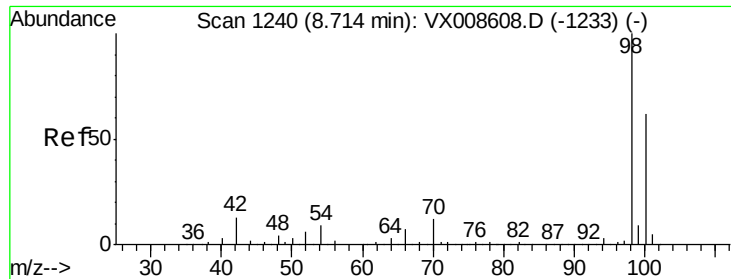


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

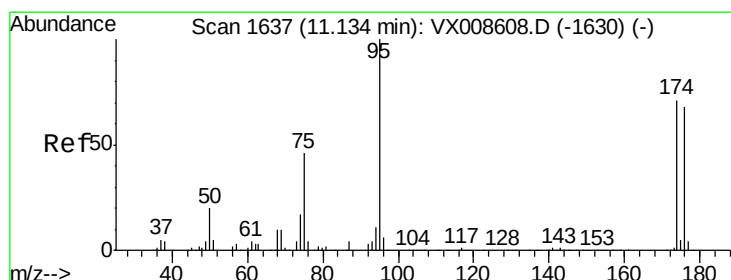
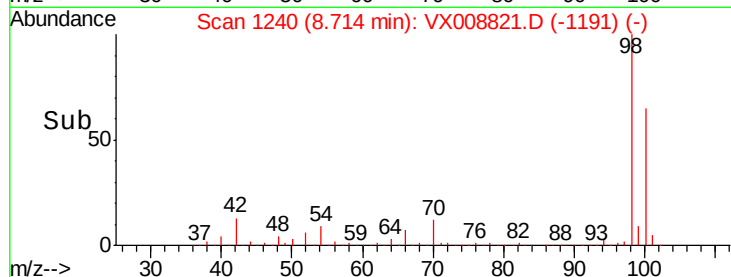
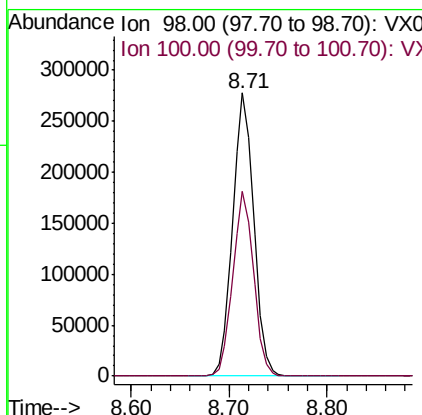
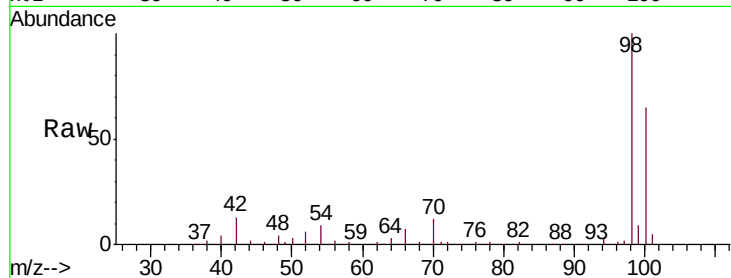




#50
Toluene-d8
Concen: 49.684 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

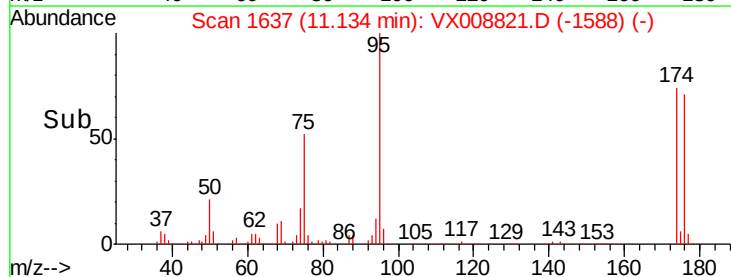
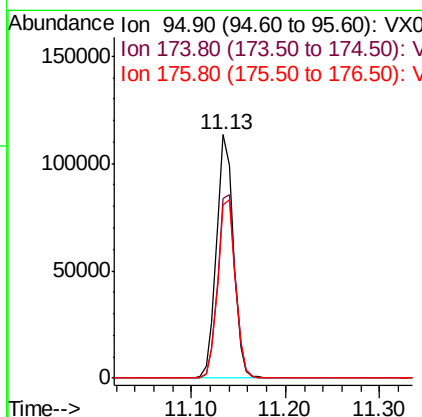
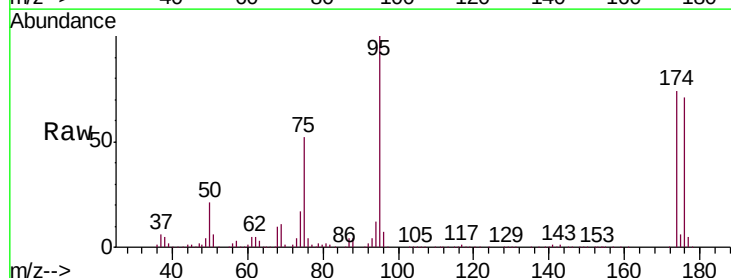
Instrument :
MSVOA_X
ClientSampleId :
VX0410WBL02

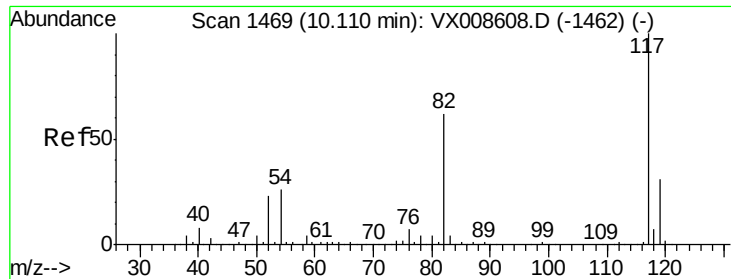
Tgt Ion: 98 Resp: 417197
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 47.815 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

Tgt Ion: 95 Resp: 142381
Ion Ratio Lower Upper
95 100
174 78.2 0.0 151.8
176 75.8 0.0 145.8

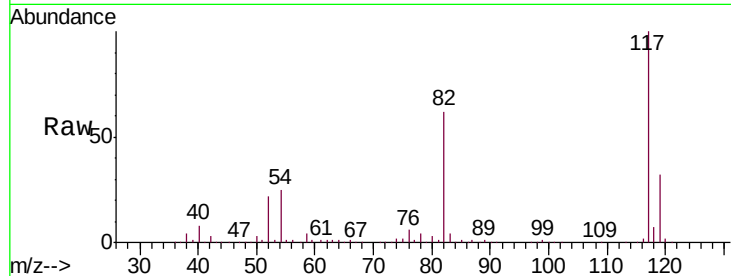




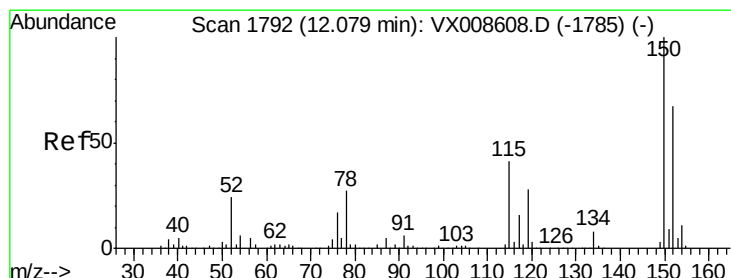
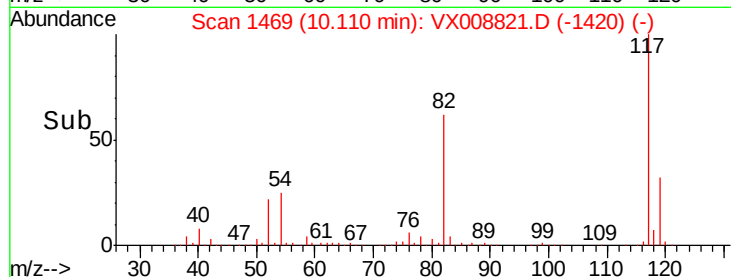
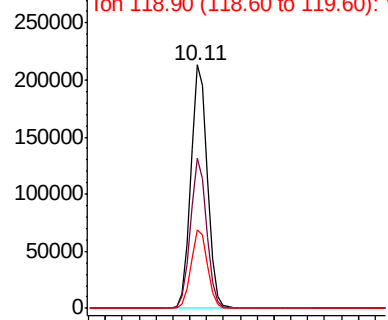
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

Instrument :
MSVOA_X
ClientSampled :
VX0410WBL02

Tgt Ion:117 Resp: 290089
Ion Ratio Lower Upper
117 100
82 61.6 49.6 74.4
119 32.1 25.0 37.4

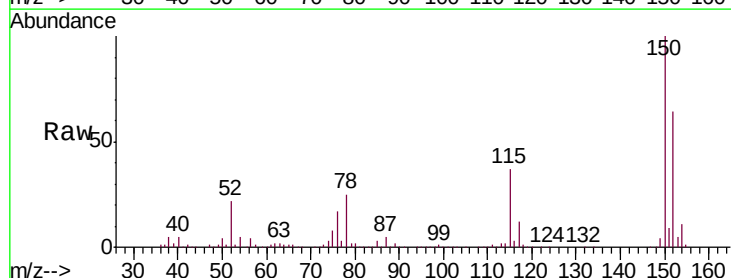


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

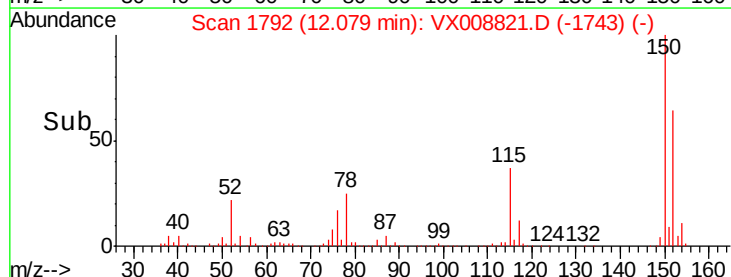
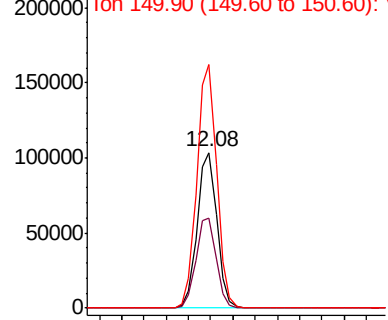


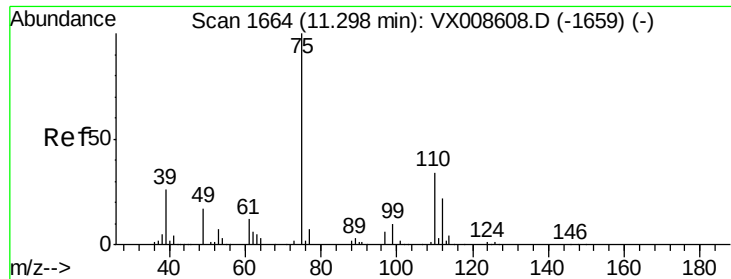
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008821.D
Acq: 10 Apr 2019 22:08

Tgt Ion:152 Resp: 126507
Ion Ratio Lower Upper
152 100
115 59.6 43.5 130.5
150 157.6 0.0 348.8



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

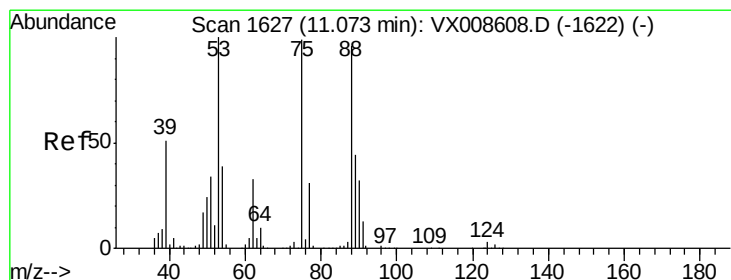
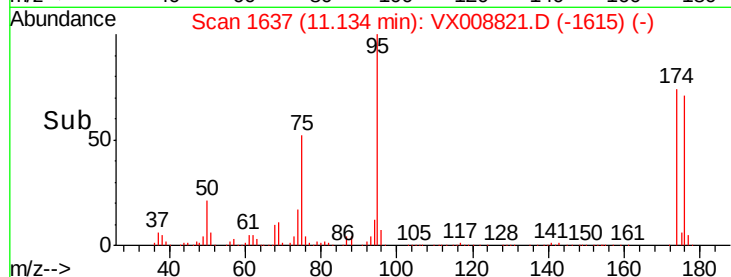
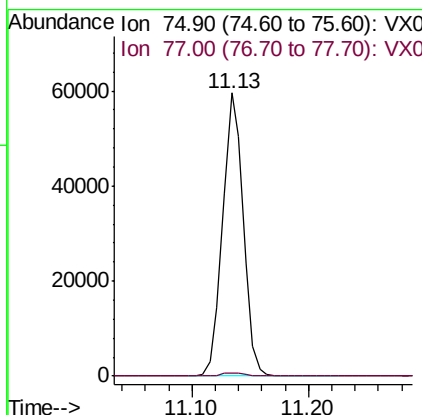
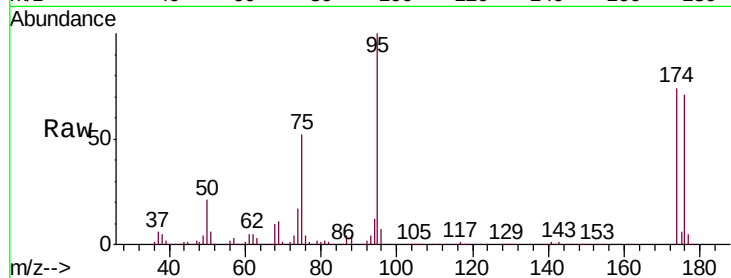




#76
 1,2,3-Trichloropropane
 Concen: 20.979 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008821.D
 Acq: 10 Apr 2019 22:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBL02

Tgt Ion: 75 Resp: 72909
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.831 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008821.D
 Acq: 10 Apr 2019 22:08

Tgt Ion: 75 Resp: 72909
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

