

Data File : VX008824.D
Acq On : 10 Apr 2019 23:18
Operator : JC/SP
Sample : PB118707TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB118707TB

Quant Time: Apr 11 05:55:49 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	5.66	168	195918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	130896	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	5.50	113	95537	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
50) Toluene-d8	8.71	98	402757	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.13	95	138157	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

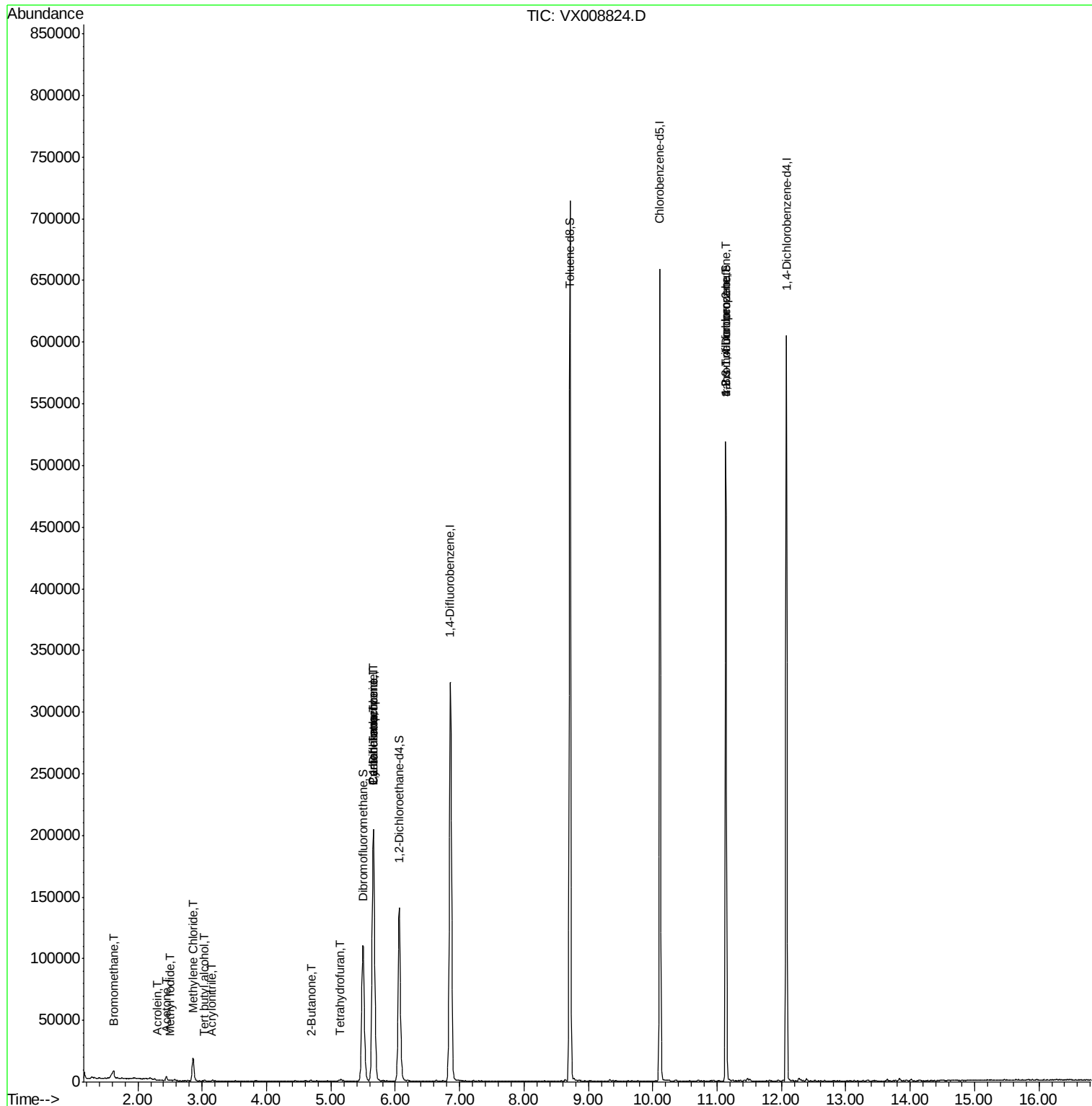
					Qvalue
3) Chloromethane	1.32	50	383	Below Cal	95
5) Bromomethane	1.64	94	372	2.124 ug/l	89
6) Chloroethane	1.70	64	73	Below Cal	# 43
10) Methyl Iodide	2.51	142	569	4.268 ug/l	# 90
11) Tert butyl alcohol	3.04	59	509	0.761 ug/l	# 89
13) Acrolein	2.30	56	199	0.600 ug/l	# 57
15) Acrylonitrile	3.15	53	510	0.288 ug/l	96
16) Acetone	2.44	43	3746	2.276 ug/l	96
17) Carbon Disulfide	2.57	76	1382	Below Cal	# 78
20) Methylene Chloride	2.85	84	8920	3.238 ug/l	97
25) 2-Butanone	4.68	43	598	0.230 ug/l	# 79
28) Bromochloromethane	5.01	49	58	Below Cal	# 22
29) Tetrahydrofuran	5.13	42	1307	0.757 ug/l	# 51
31) Cyclohexane	5.66	56	4485	0.908 ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	16104	4.609 ug/l	# 50
38) Carbon Tetrachloride	5.66	117	18999	6.569 ug/l	# 17
76) 1,2,3-Trichloropropane	11.13	75	69568	20.613 ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.13	75	69568	56.820 ug/l	# 9

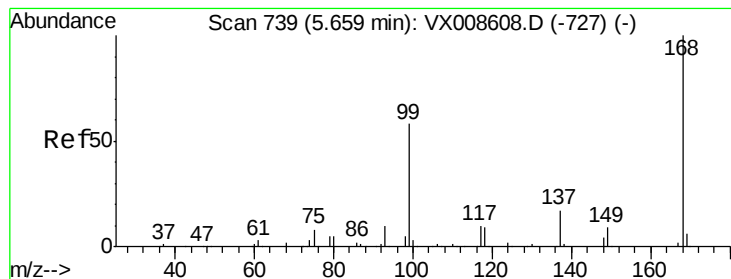
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

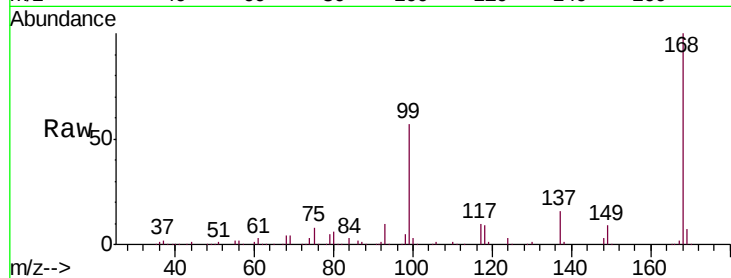
PB118707TB

Tgt Ion:168 Resp: 195918

Ion Ratio Lower Upper

168 100

99 57.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

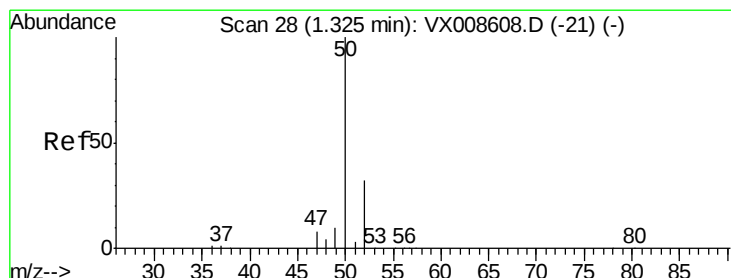
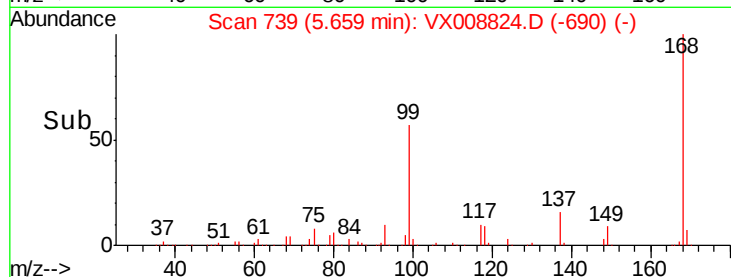
60000

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: VX008824.D

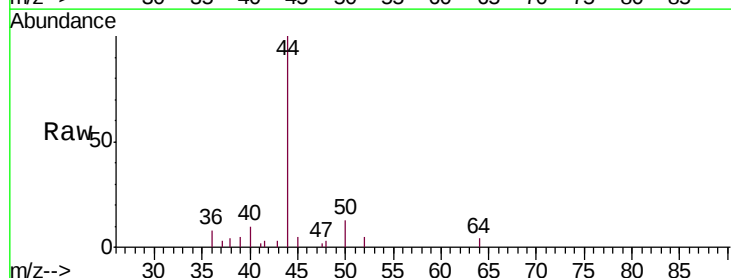
Acq: 10 Apr 2019 23:18

Tgt Ion: 50 Resp: 383

Ion Ratio Lower Upper

50 100

52 35.4 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

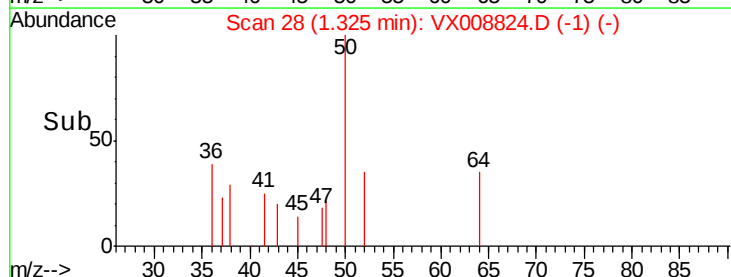
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.124 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

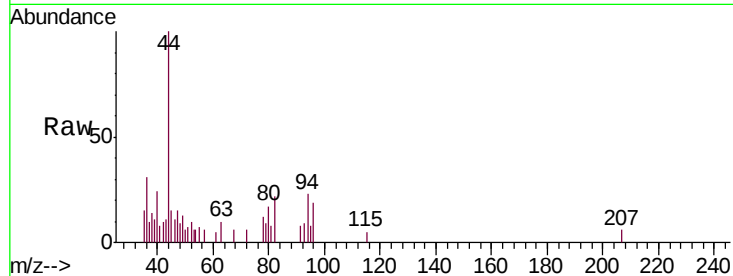
PB118707TB

Tgt Ion: 94 Resp: 372

Ion Ratio Lower Upper

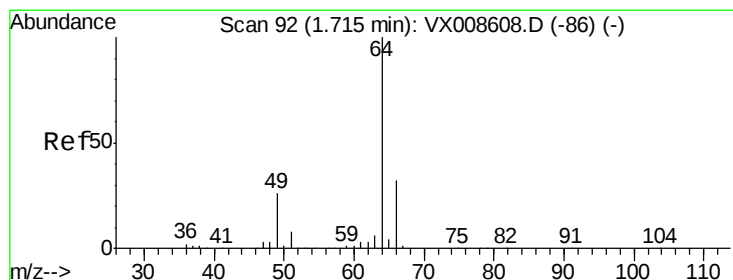
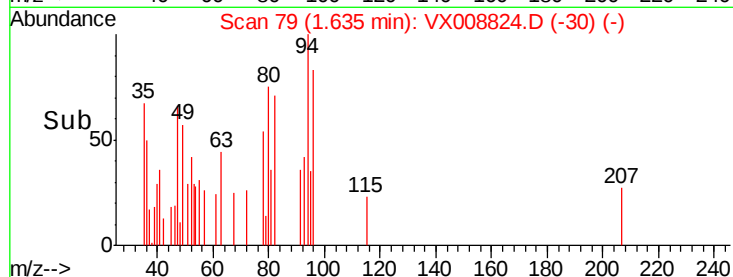
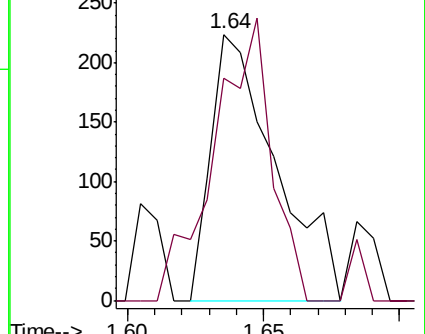
94 100

96 83.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008824.D

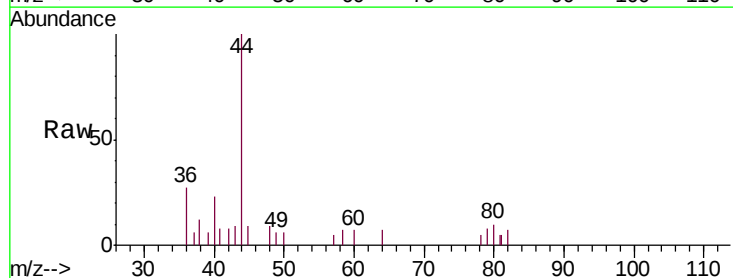
Acq: 10 Apr 2019 23:18

Tgt Ion: 64 Resp: 73

Ion Ratio Lower Upper

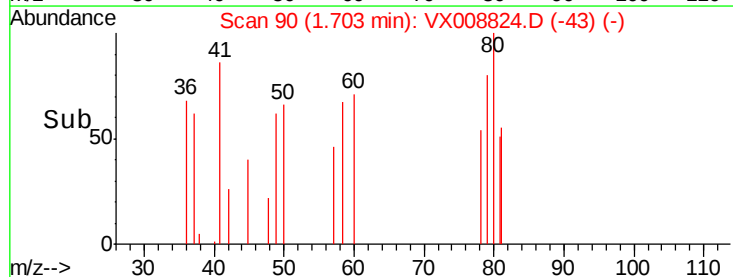
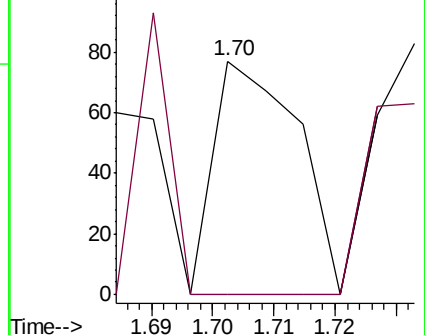
64 100

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

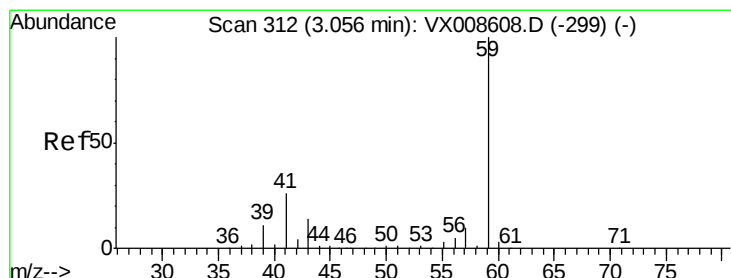
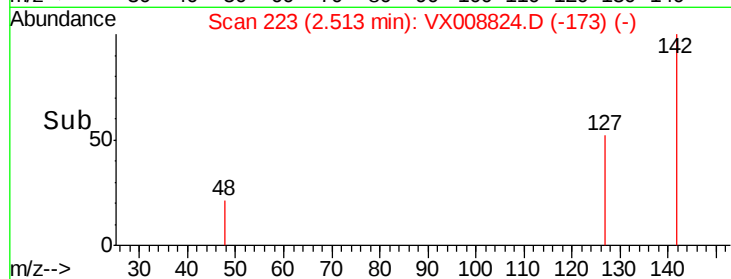
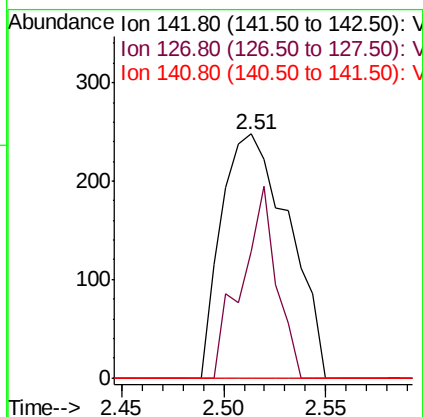
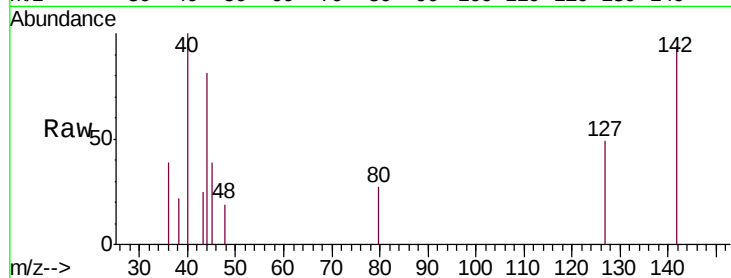




#10
Methyl Iodide
Concen: 4.268 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

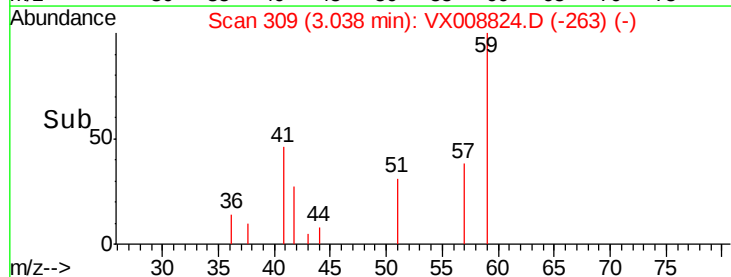
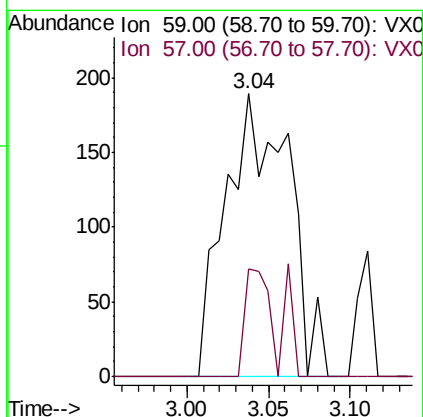
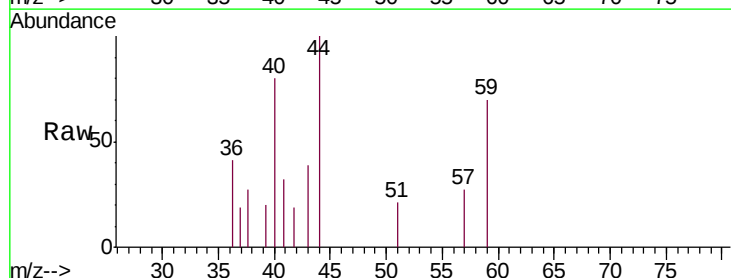
Instrument :
MSVOA_X
ClientSampleId :
PB118707TB

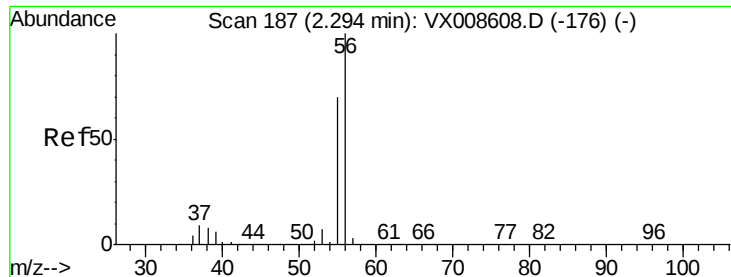
Tgt Ion: 142 Resp: 569
Ion Ratio Lower Upper
142 100
127 40.8 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.761 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 14.3 8.3 12.5#





#13

Acrolein

Concen: 0.600 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

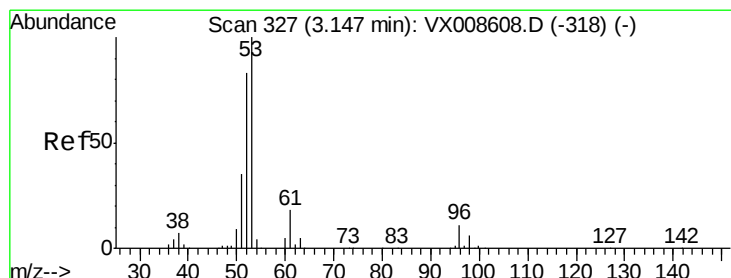
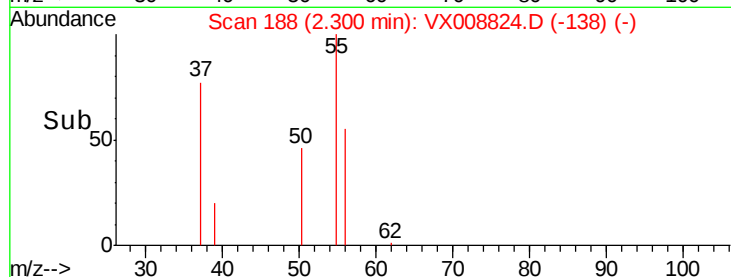
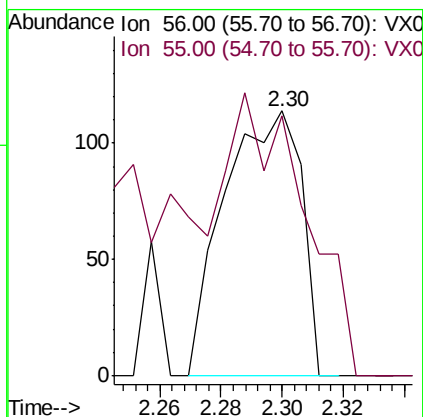
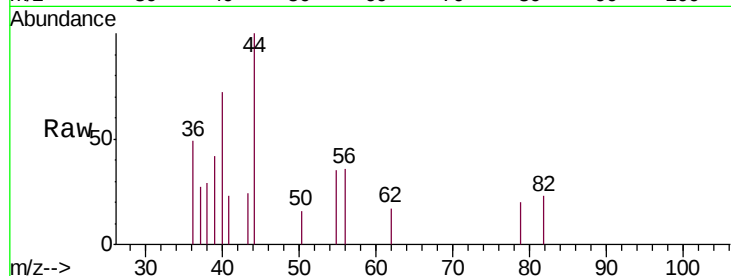
PB118707TB

Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 108.0 58.0 87.0#



#15

Acrylonitrile

Concen: 0.288 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

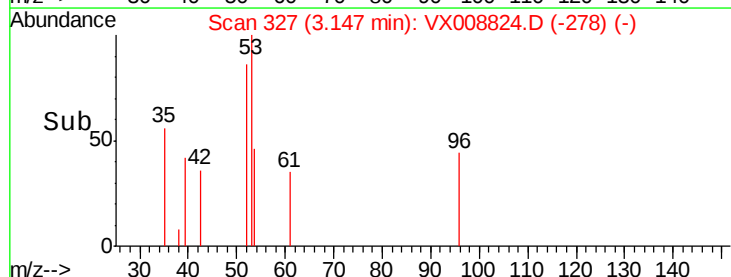
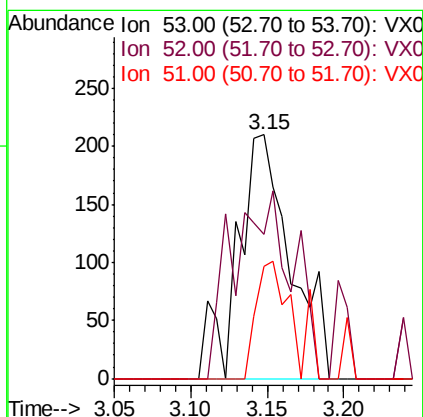
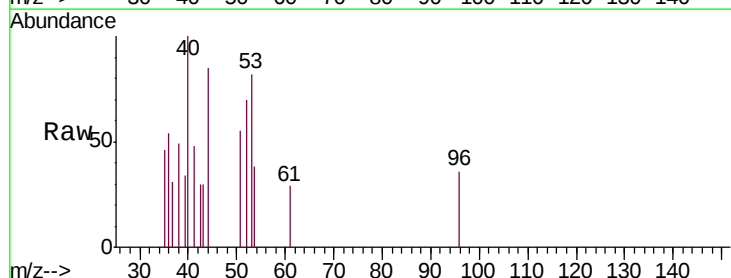
Tgt Ion: 53 Resp: 510

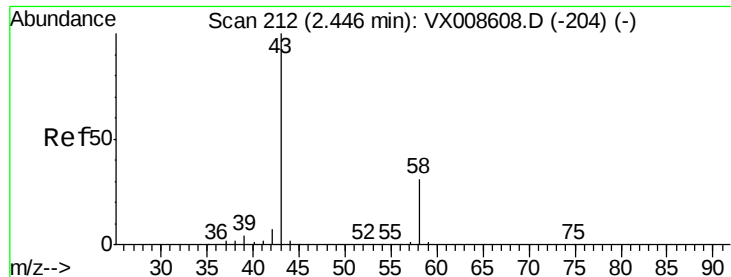
Ion Ratio Lower Upper

53 100

52 86.3 66.5 99.7

51 33.3 28.6 42.8





#16

Acetone

Concen: 2.276 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

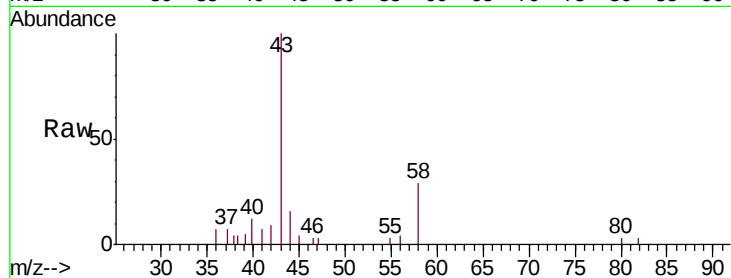
PB118707TB

Tgt Ion: 43 Resp: 3746

Ion Ratio Lower Upper

43 100

58 28.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

2000

1500

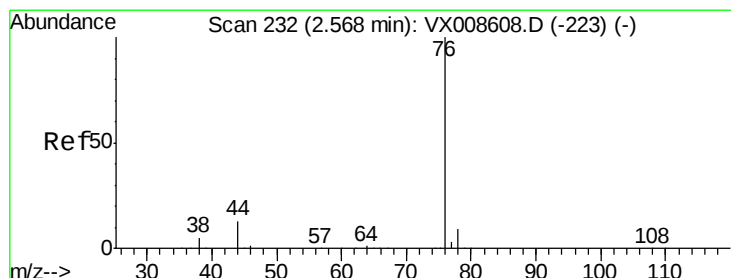
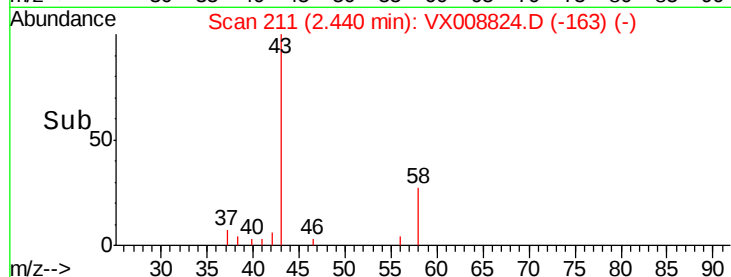
1000

500

0

2.35 2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008824.D

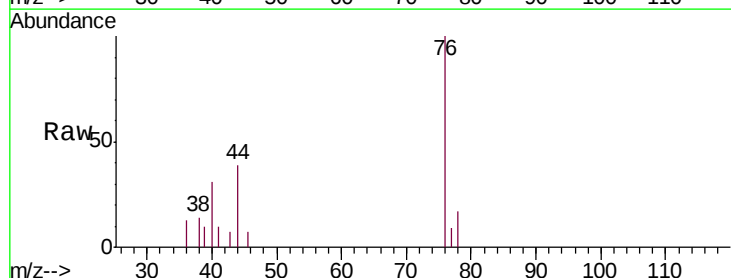
Acq: 10 Apr 2019 23:18

Tgt Ion: 76 Resp: 1382

Ion Ratio Lower Upper

76 100

78 16.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

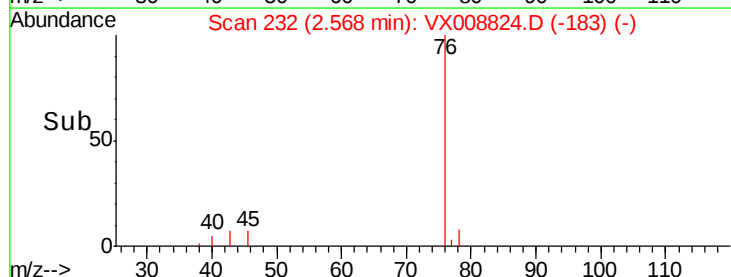
400

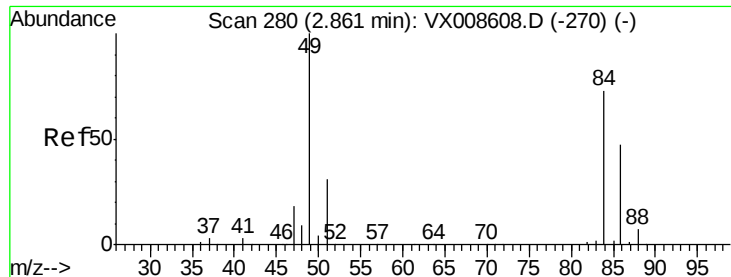
200

0

2.50 2.55 2.60

Time-->

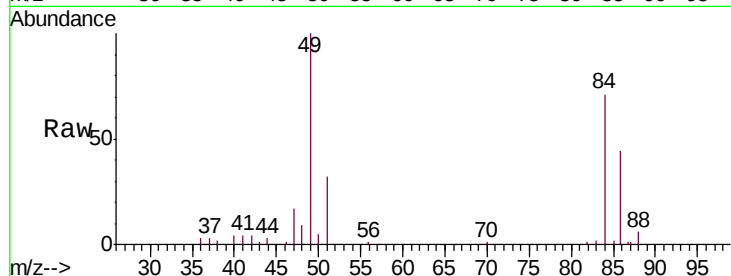




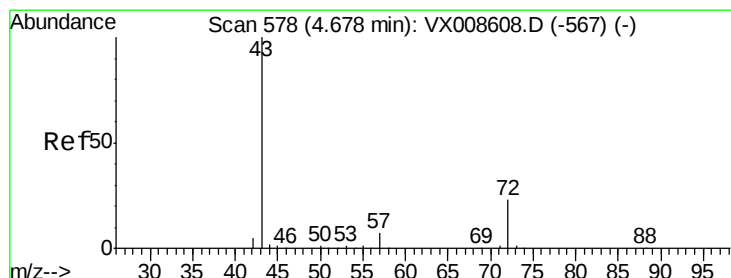
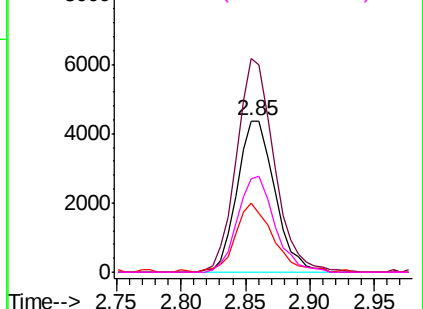
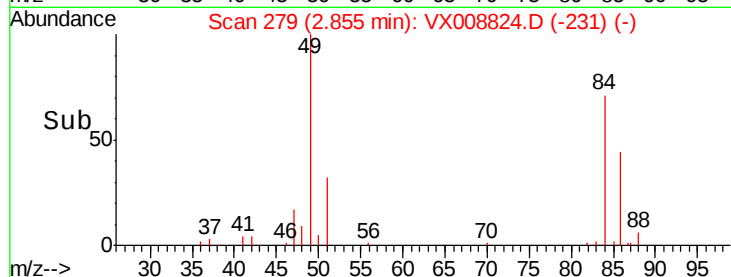
#20
Methylene Chloride
Concen: 3.238 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

Instrument :
MSVOA_X
ClientSampleId :
PB118707TB

Tgt Ion:	84	Resp:	8920
Ion	Ratio	Lower	Upper
84	100		
49	141.3	109.7	164.5
51	44.5	33.6	50.4
86	62.2	51.4	77.2

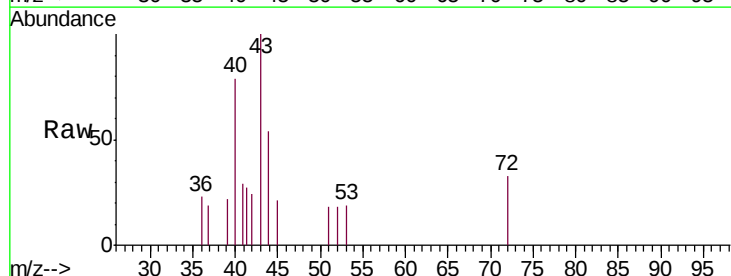


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

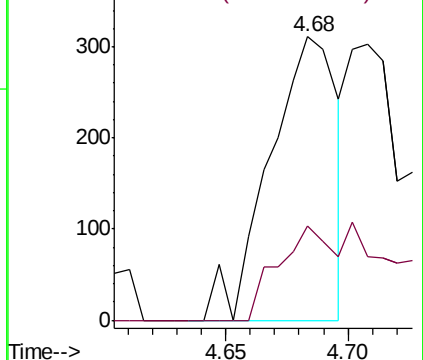
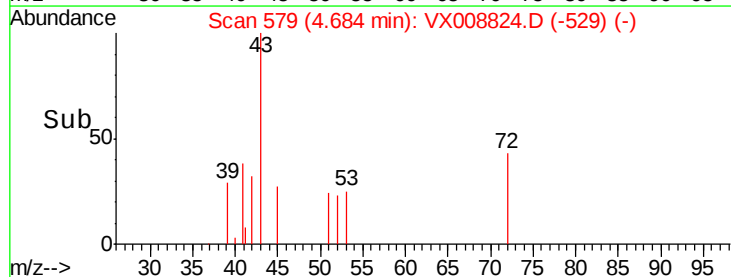


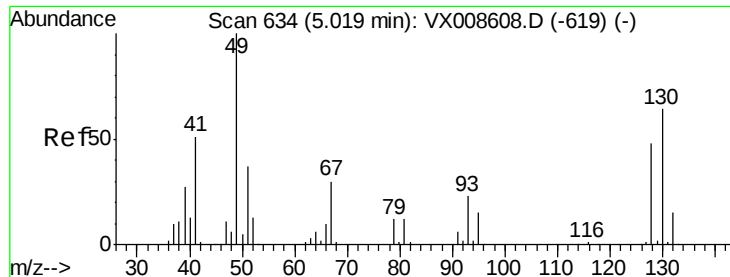
#25
2-Butanone
Concen: 0.230 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

Tgt Ion:	43	Resp:	598
Ion	Ratio	Lower	Upper
43	100		
72	33.1	18.2	27.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

PB118707TB

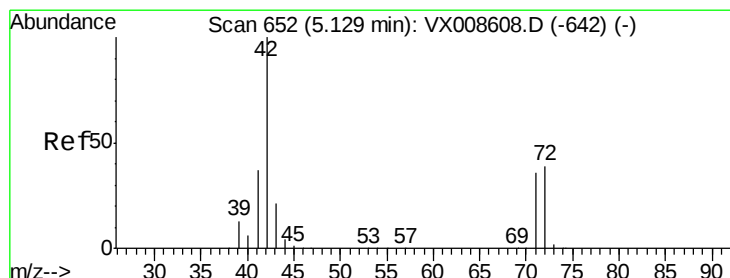
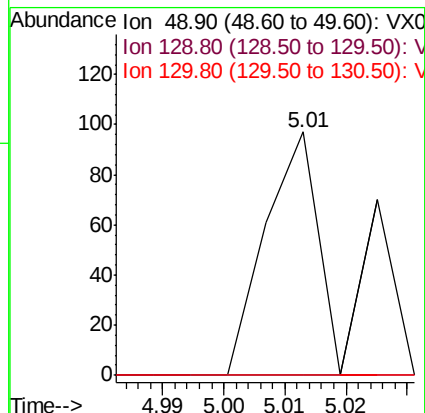
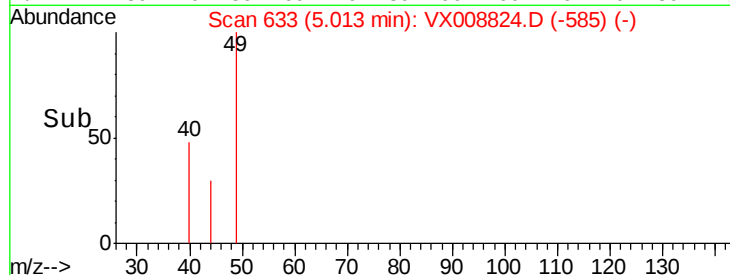
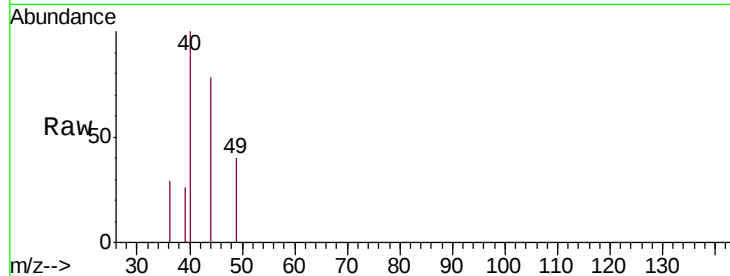
Tgt Ion: 49 Resp: 58

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



#29

Tetrahydrofuran

Concen: 0.757 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

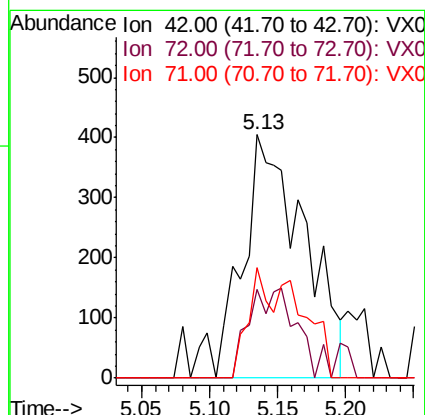
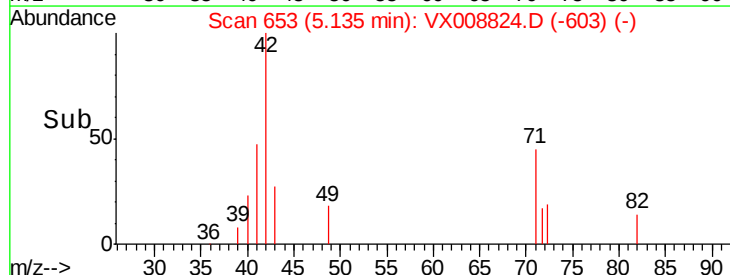
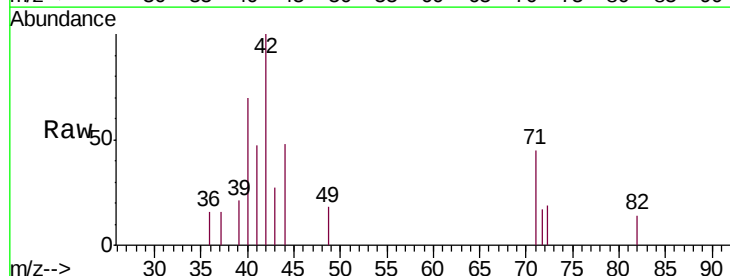
Tgt Ion: 42 Resp: 1307

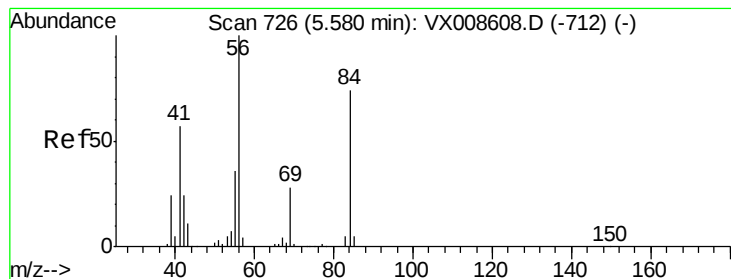
Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

71 16.4 28.6 43.0#





#31

Cyclohexane

Concen: 0.908 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

PB118707TB

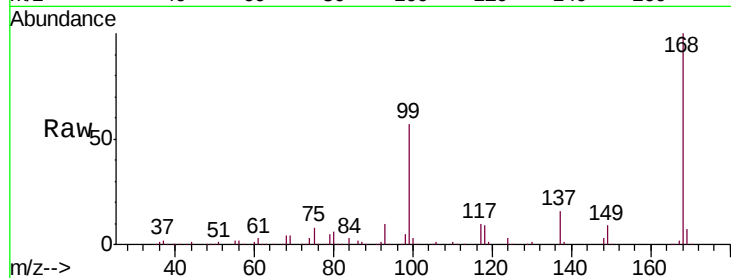
Tgt Ion: 56 Resp: 4485

Ion Ratio Lower Upper

56 100

69 168.0 22.6 33.8#

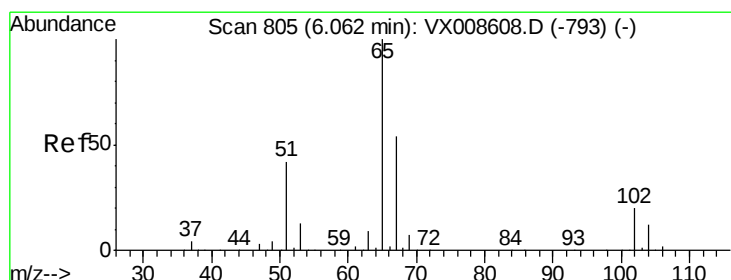
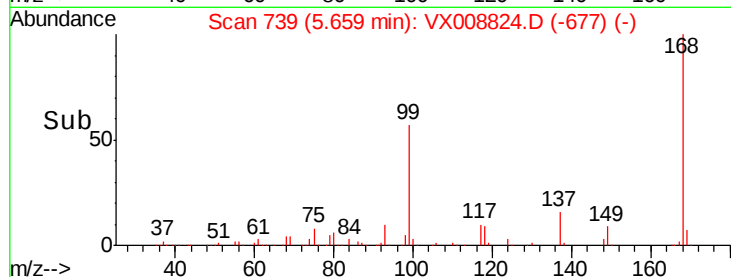
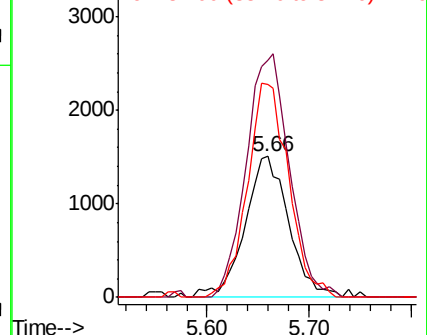
84 150.9 59.3 88.9#



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: 45.807 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008824.D

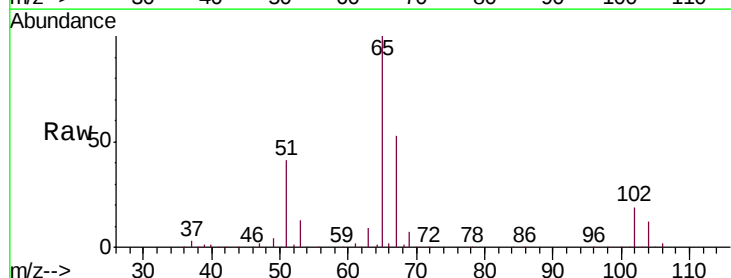
Acq: 10 Apr 2019 23:18

Tgt Ion: 65 Resp: 130896

Ion Ratio Lower Upper

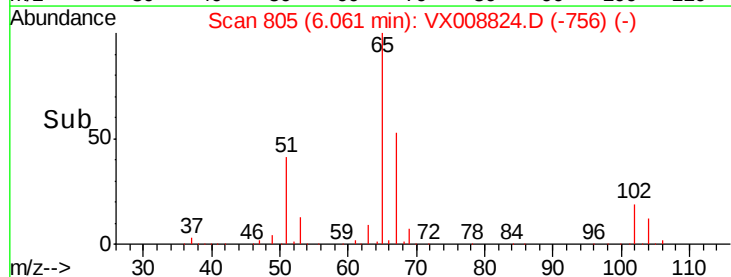
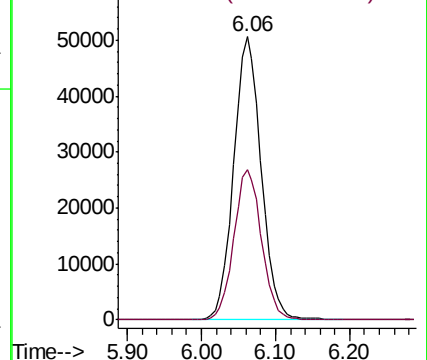
65 100

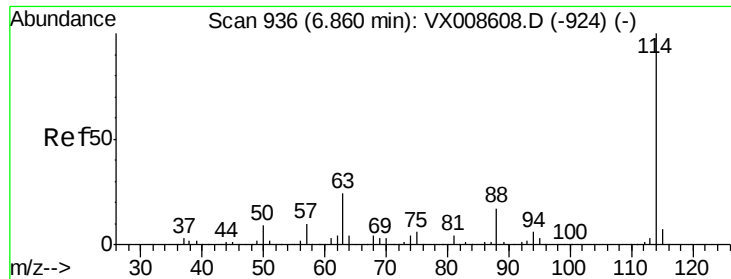
67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

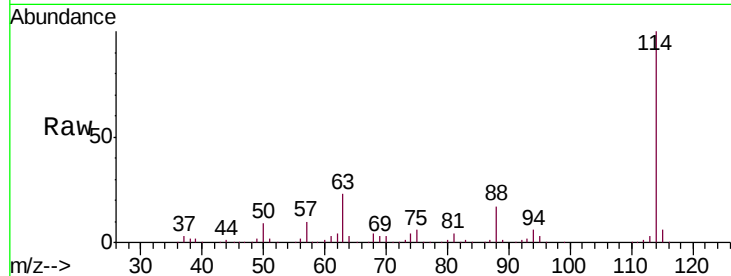




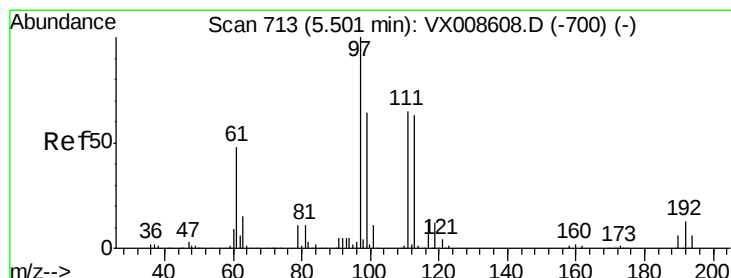
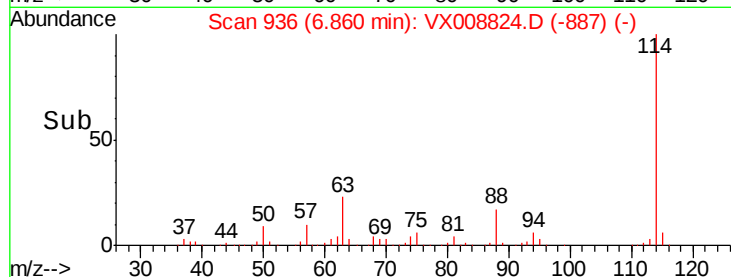
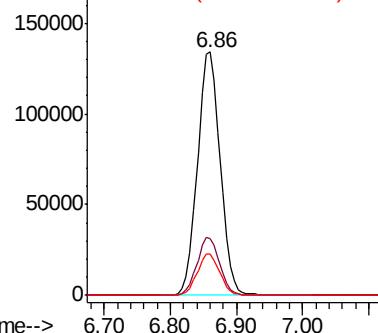
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

Instrument :
MSVOA_X
ClientSampleId :
PB118707TB

Tgt Ion:114 Resp: 319658
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.2
88 17.1 0.0 34.0

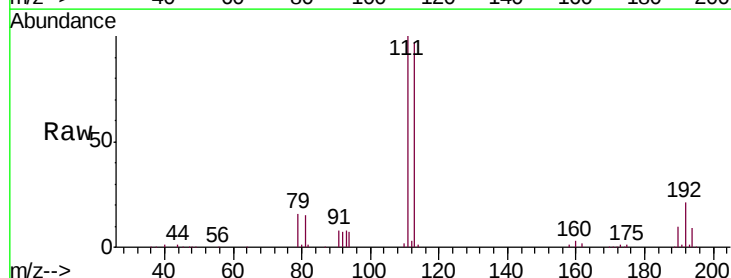


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

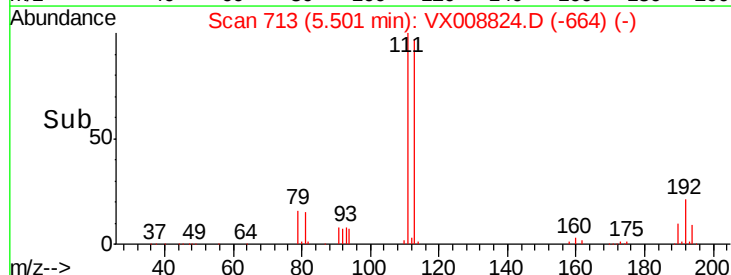
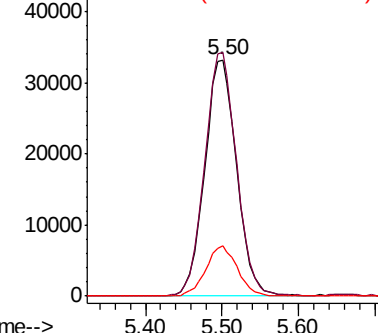


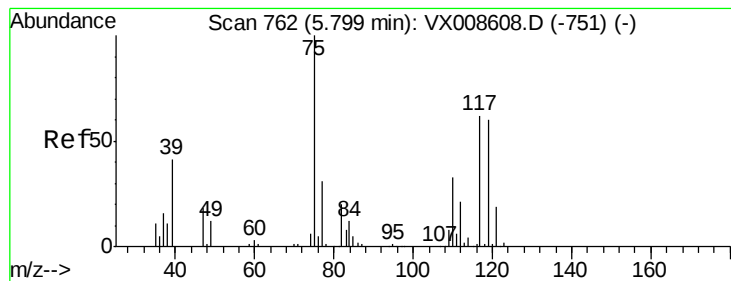
#35
Dibromofluoromethane
Concen: 46.745 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

Tgt Ion:113 Resp: 95537
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 21.0 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: 4.609 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

PB118707TB

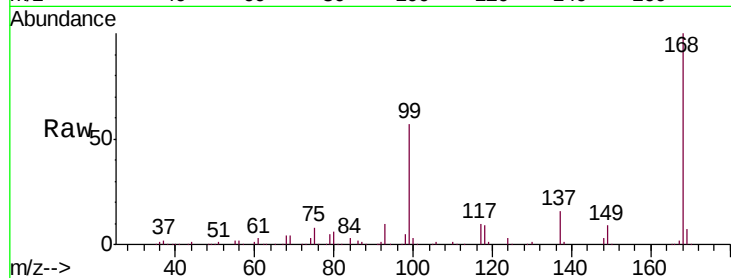
Tgt Ion: 75 Resp: 16104

Ion Ratio Lower Upper

75 100

110 7.5 16.4 49.2#

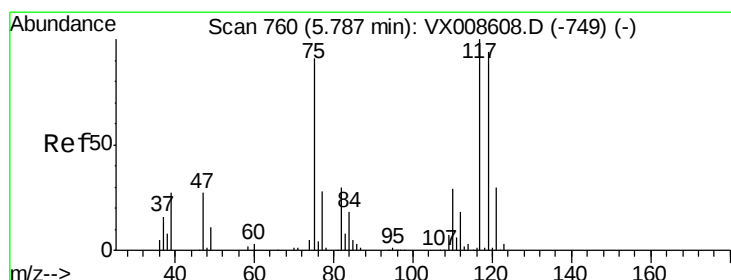
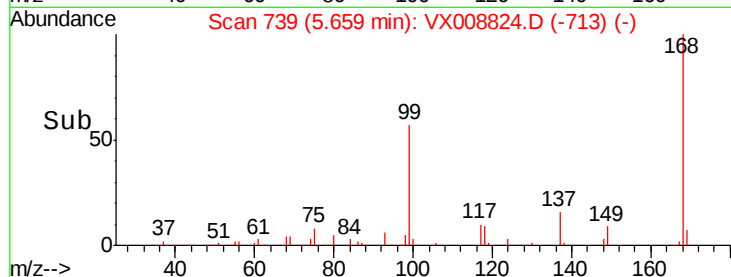
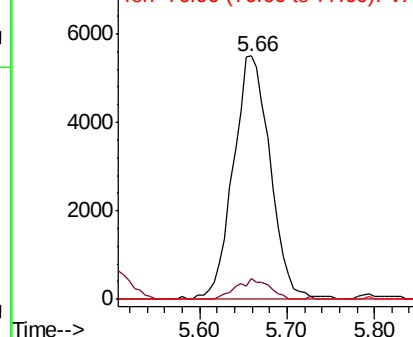
77 0.0 24.7 37.1#



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: 6.569 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

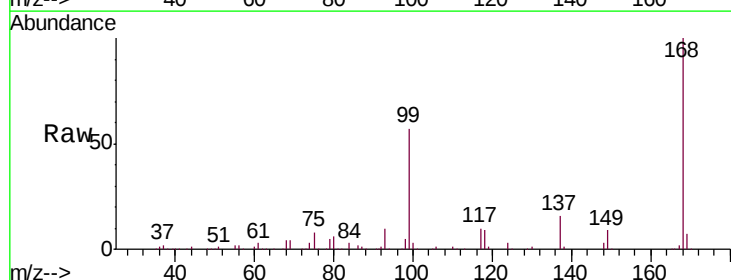
Tgt Ion: 117 Resp: 18999

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

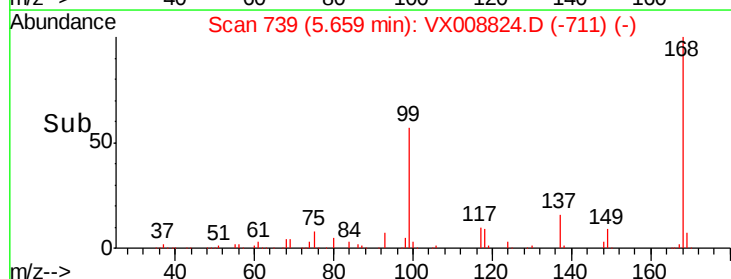
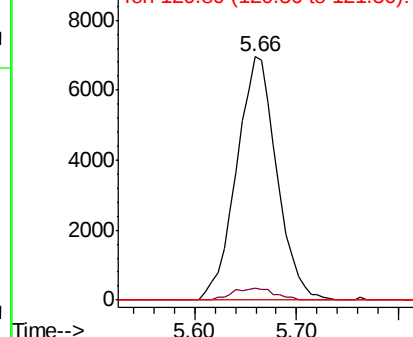
121 0.0 24.3 36.5#

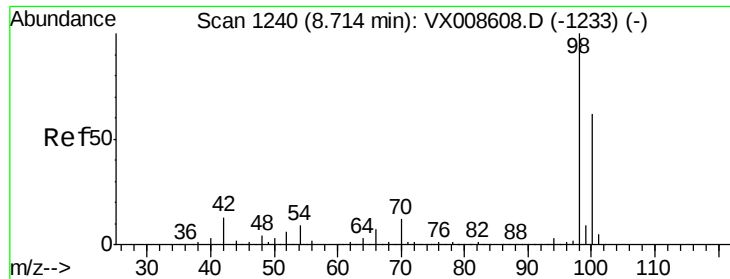


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.492 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

Instrument :

MSVOA_X

ClientSampleId :

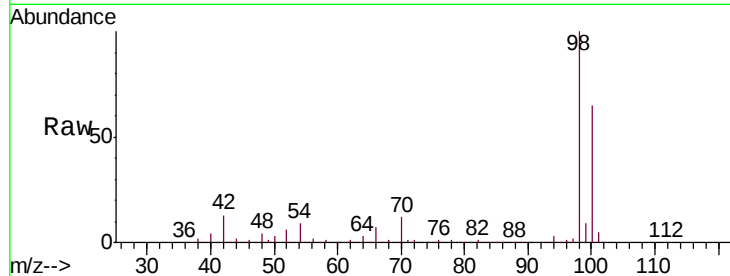
PB118707TB

Tgt Ion: 98 Resp: 402757

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

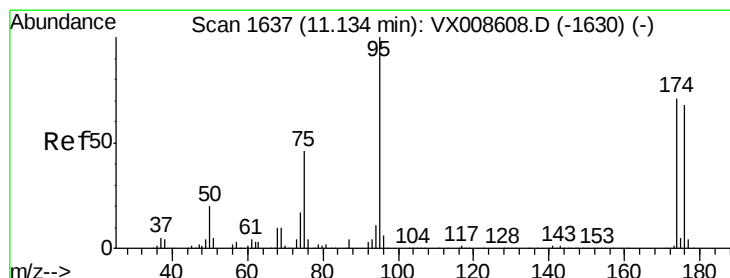
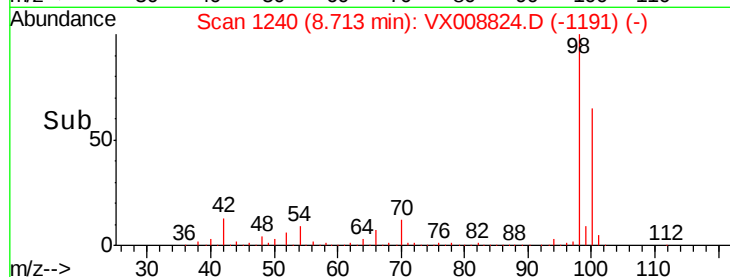
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 47.875 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008824.D

Acq: 10 Apr 2019 23:18

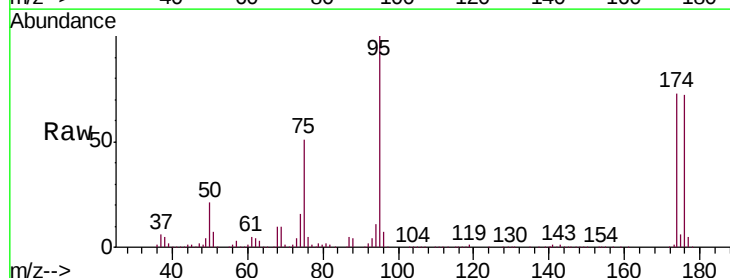
Tgt Ion: 95 Resp: 138157

Ion Ratio Lower Upper

95 100

174 78.3 0.0 151.8

176 76.4 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

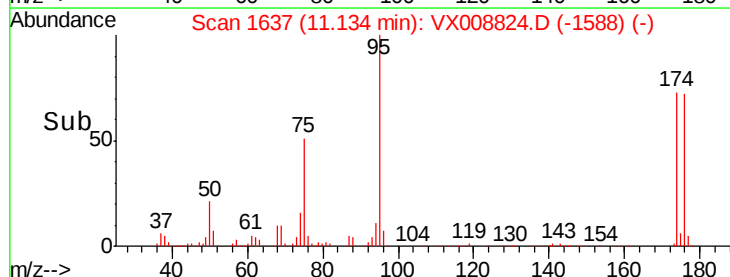
100000

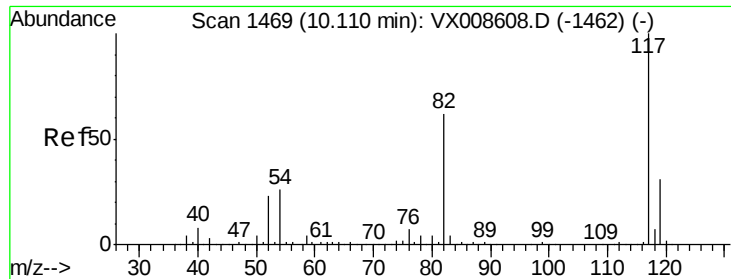
50000

0

11.10 11.20

Time-->

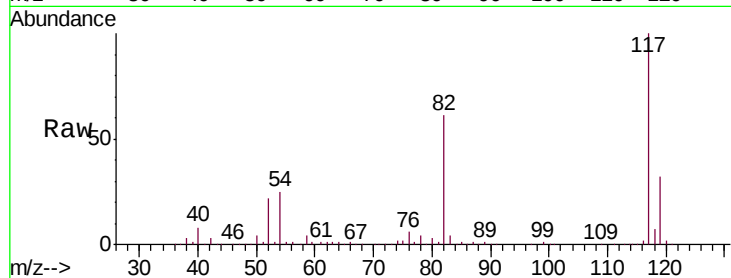




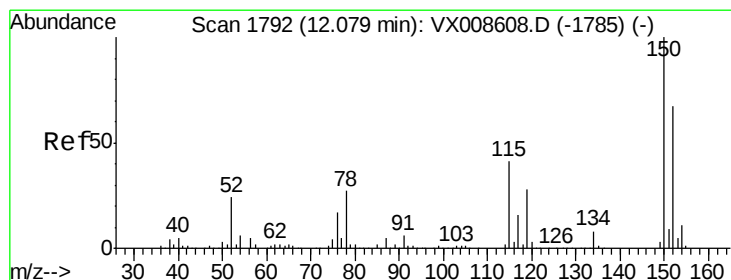
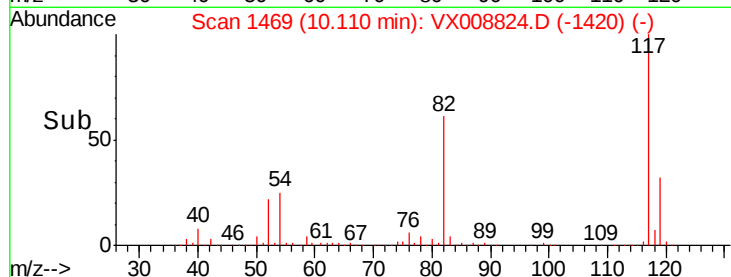
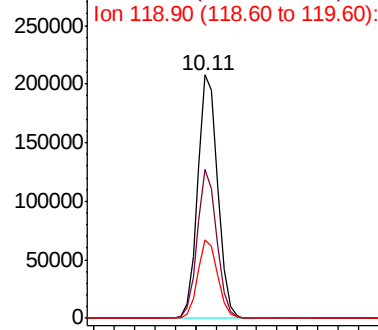
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

Instrument :
MSVOA_X
ClientSampleId :
PB118707TB

Tgt Ion:117 Resp: 281653
Ion Ratio Lower Upper
117 100
82 60.9 49.6 74.4
119 32.2 25.0 37.4

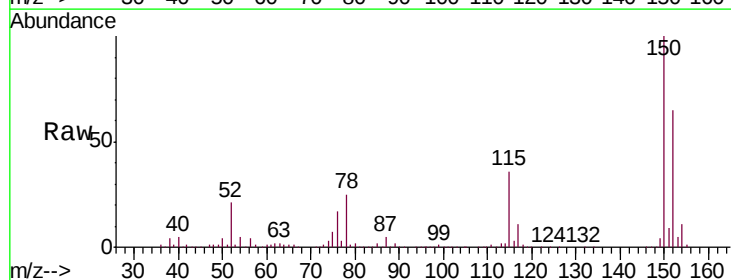


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

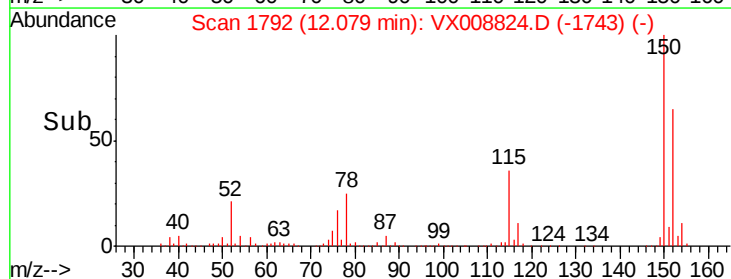
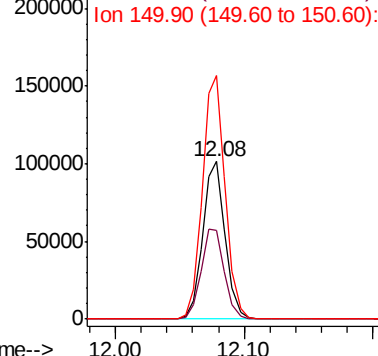


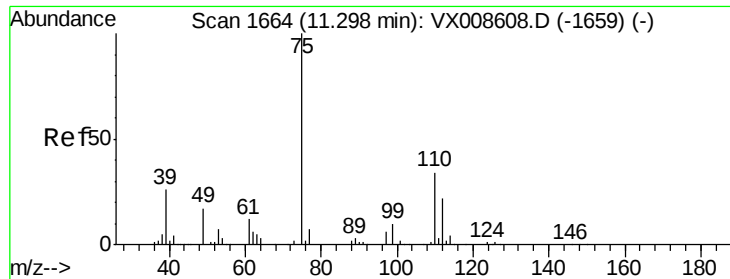
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008824.D
Acq: 10 Apr 2019 23:18

Tgt Ion:152 Resp: 122857
Ion Ratio Lower Upper
152 100
115 59.6 43.5 130.5
150 157.4 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

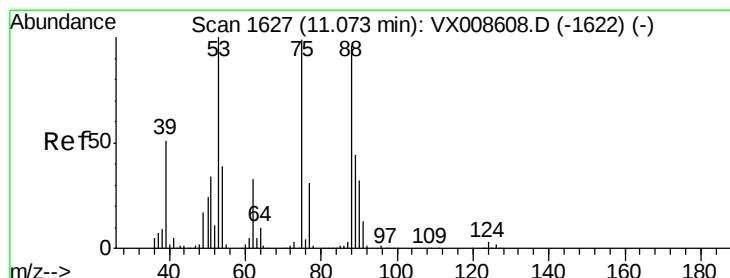
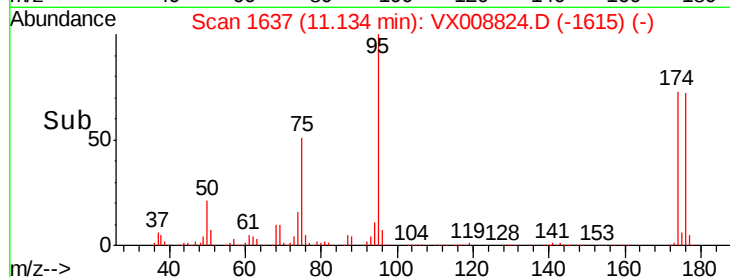
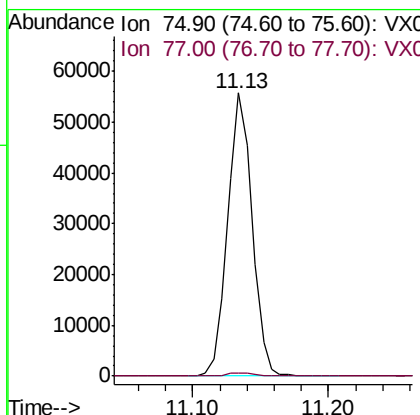
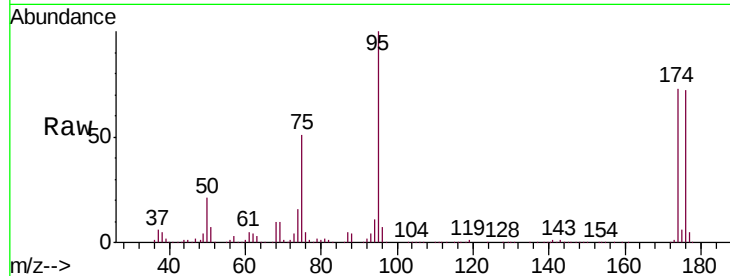




#76
 1,2,3-Trichloropropane
 Concen: 20.613 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008824.D
 Acq: 10 Apr 2019 23:18

Instrument :
 MSVOA_X
 ClientSampleID :
 PB118707TB

Tgt Ion: 75 Resp: 69568
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.820 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008824.D
 Acq: 10 Apr 2019 23:18

Tgt Ion: 75 Resp: 69568
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

