

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008994.D
 Acq On : 16 Apr 2019 17:47
 Operator : JC/SP
 Sample : K2425-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190415

Quant Time: Apr 17 04:18:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	259078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	356842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155065	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	168160	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
35) Dibromofluoromethane	5.50	113	120701	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
50) Toluene-d8	8.71	98	514611	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	173211	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

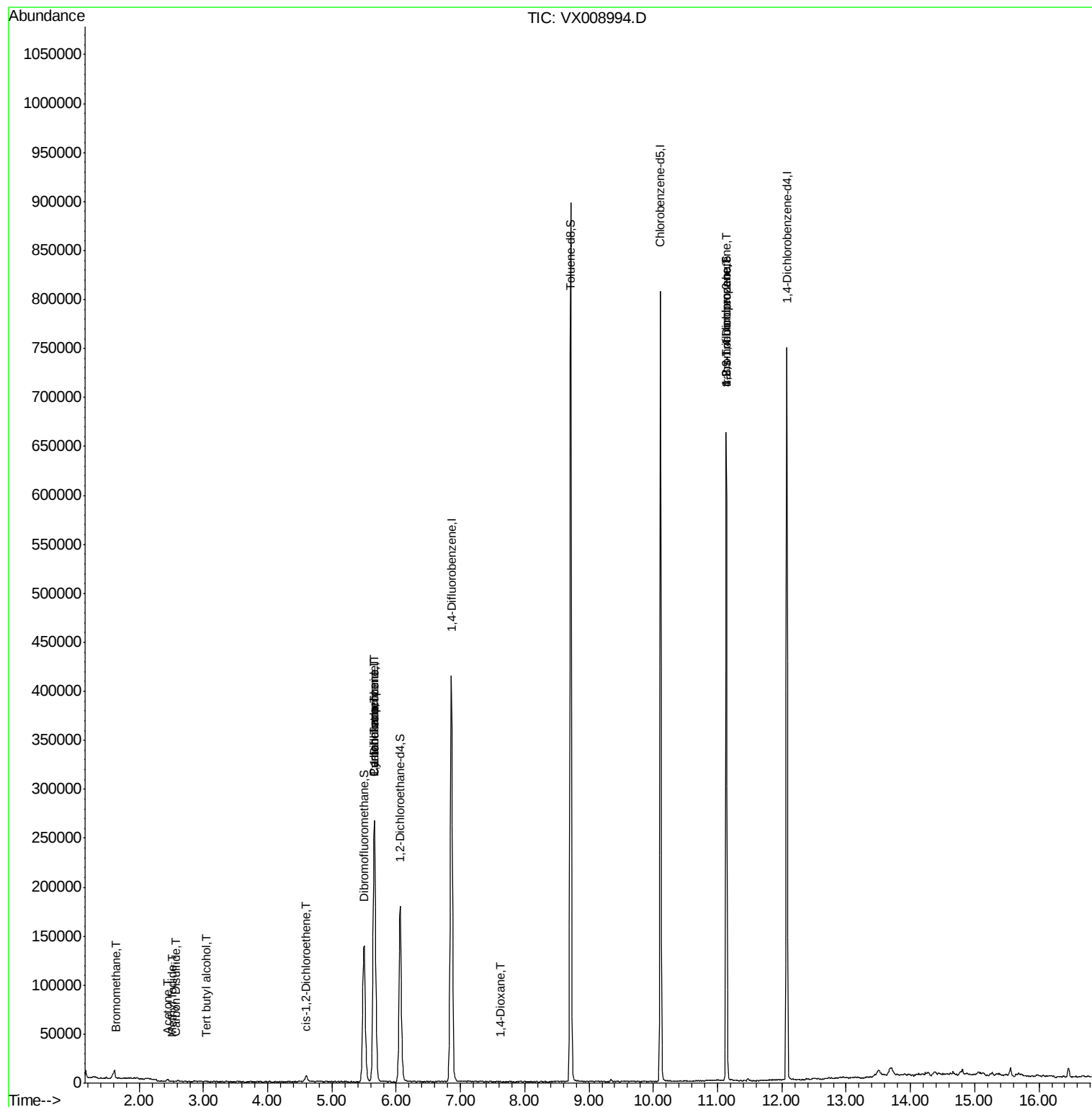
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	473	4.044	ug/l #	72
10) Methyl Iodide	2.51	142	279	4.502	ug/l #	62
11) Tert butyl alcohol	3.04	59	340	0.420	ug/l #	91
16) Acetone	2.44	43	3233	1.708	ug/l	100
17) Carbon Disulfide	2.57	76	649	1.330	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	3631	1.079	ug/l	99
28) Bromochloromethane	5.00	49	89	Below Cal	#	21
31) Cyclohexane	5.67	56	5576	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20280	4.763	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25299	7.009	ug/l #	17
49) 1,4-Dioxane	7.61	88	19	0.233	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	88616	23.404	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	88616	60.084	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041619\
Data File : VX008994.D
Acq On : 16 Apr 2019 17:47
Operator : JC/SP
Sample : K2425-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190415

Quant Time: Apr 17 04:18:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 09:35:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008994.D

Acq: 16 Apr 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

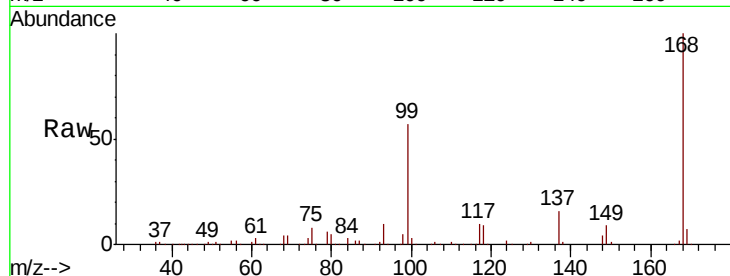
KY038PS038-190415

Tot Ion:168 Resp: 259078

Ion Ratio Lower Upper

168 100

99 56.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

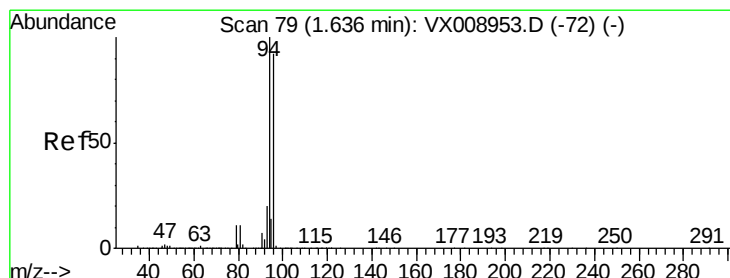
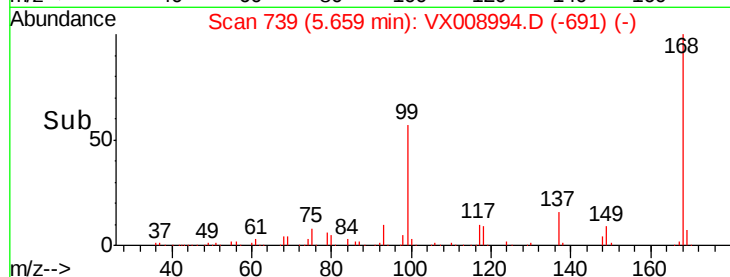
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.044 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008994.D

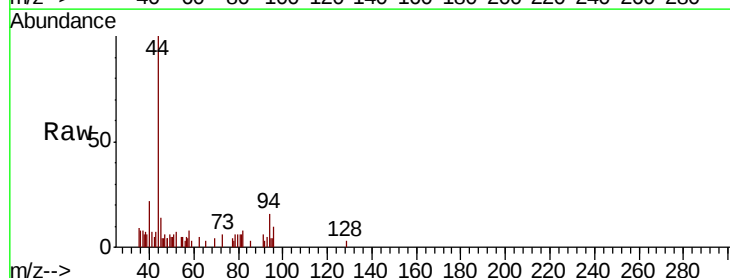
Acq: 16 Apr 2019 17:47

Tgt Ion: 94 Resp: 473

Ion Ratio Lower Upper

94 100

96 66.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

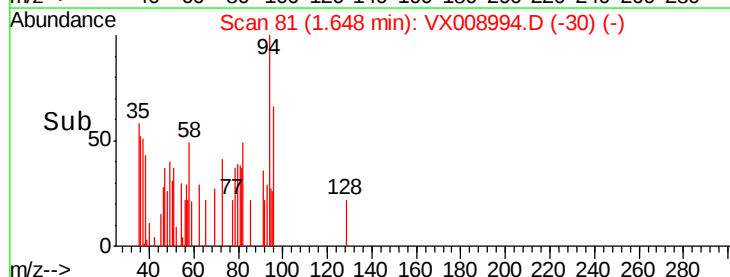
150

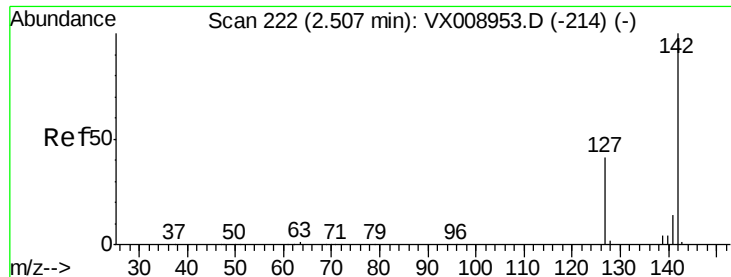
100

50

0

Time--> 1.60 1.65 1.70

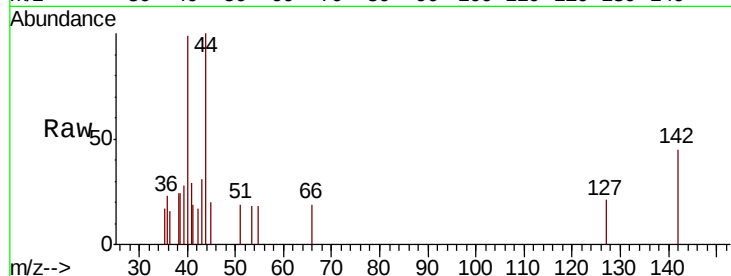




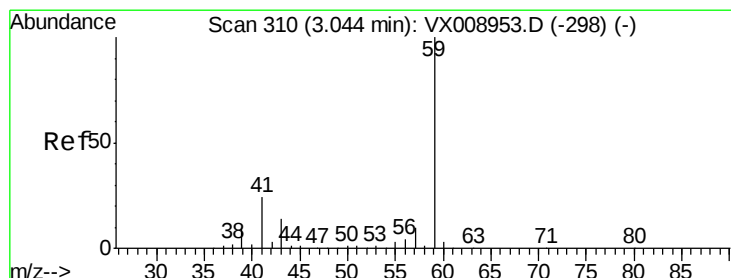
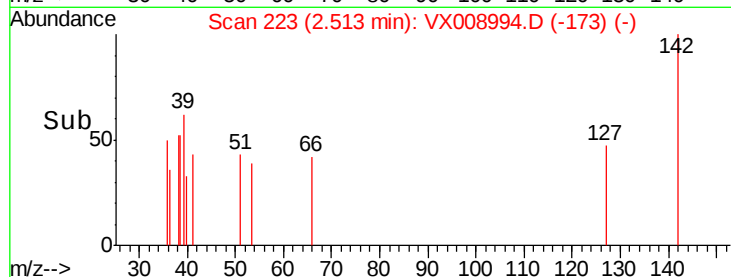
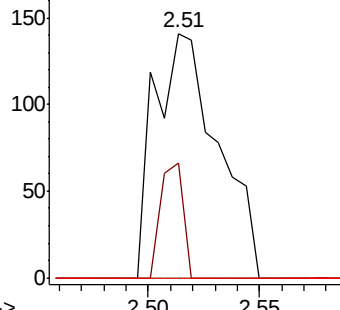
#10
Methvl Iodide
Concen: 4.502 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008994.D
Acq: 16 Apr 2019 17:47

Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190415

Tot Ion:142 Resp: 279
Ion Ratio Lower Upper
142 100
127 16.5 32.8 49.2#
141 0.0 11.4 17.2#

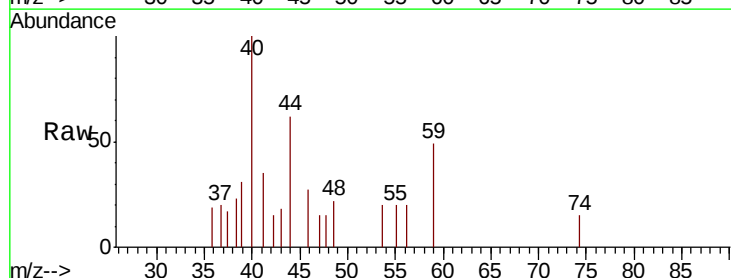


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

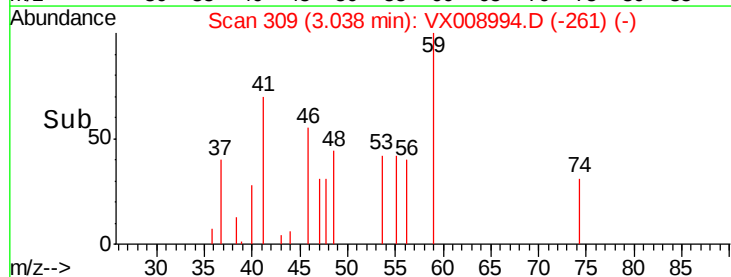
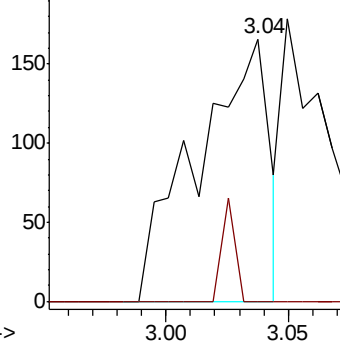


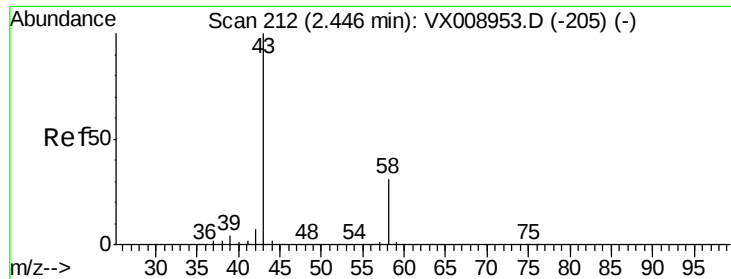
#11
Tert butyl alcohol
Concen: 0.420 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008994.D
Acq: 16 Apr 2019 17:47

Tgt Ion: 59 Resp: 340
Ion Ratio Lower Upper
59 100
57 7.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.708 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008994.D

Acq: 16 Apr 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

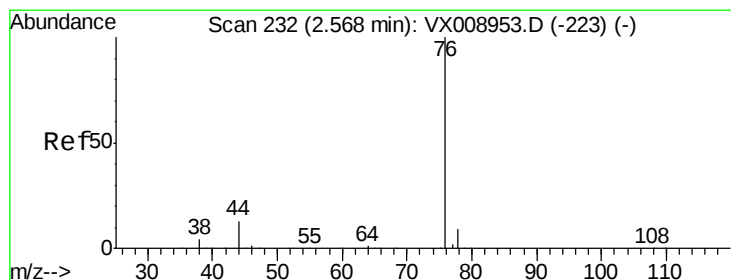
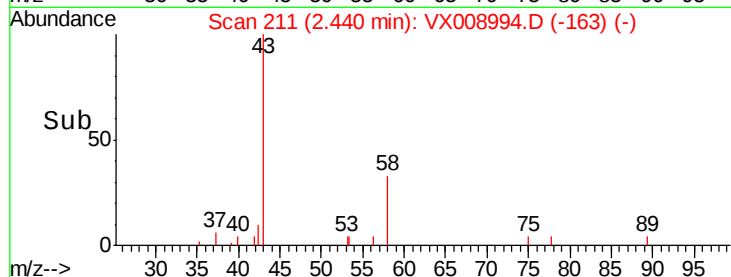
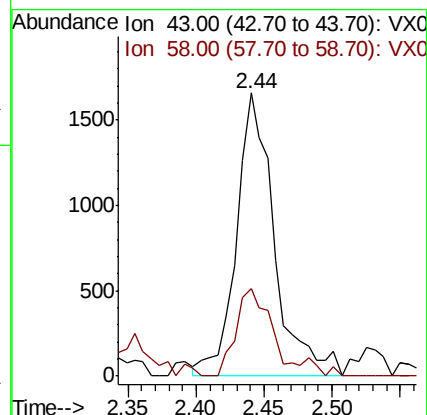
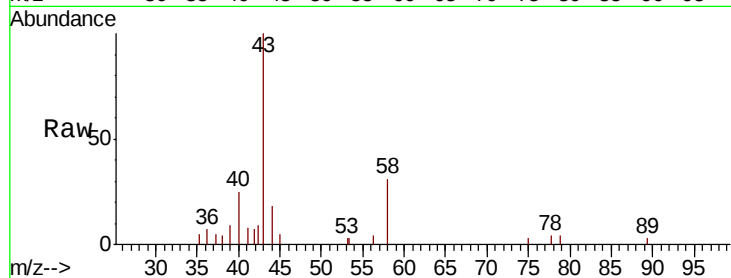
KY038PS038-190415

Tot Ion: 43 Resp: 3233

Ion Ratio Lower Upper

43 100

58 30.8 24.8 37.2



#17

Carbon Disulfide

Concen: 1.330 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008994.D

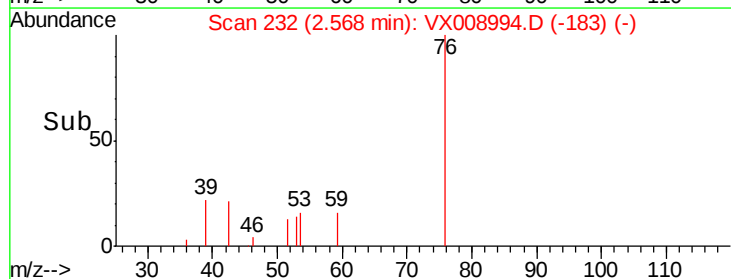
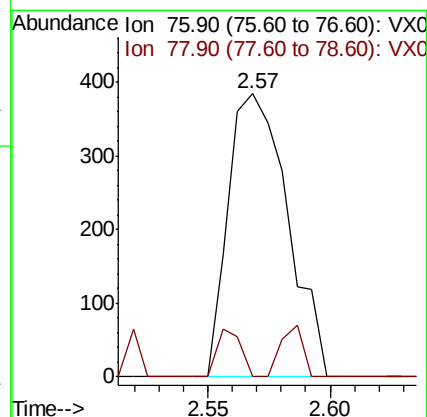
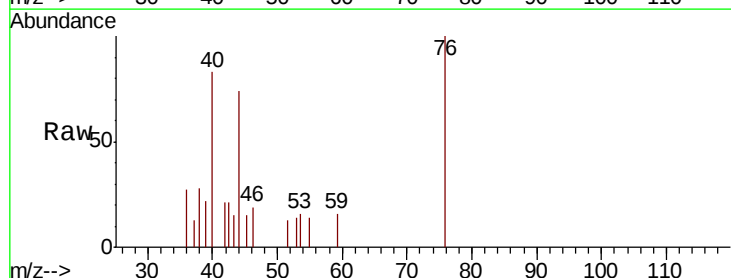
Acq: 16 Apr 2019 17:47

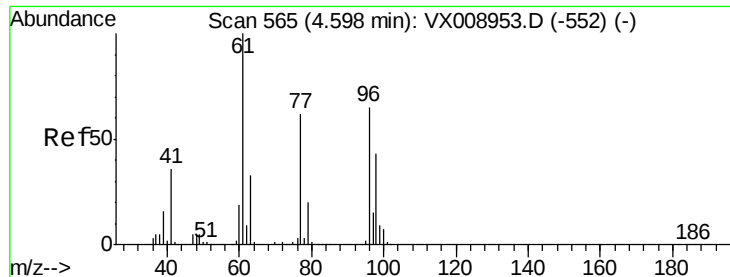
Tgt Ion: 76 Resp: 649

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



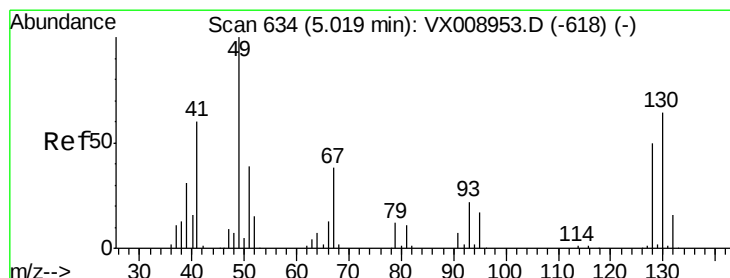
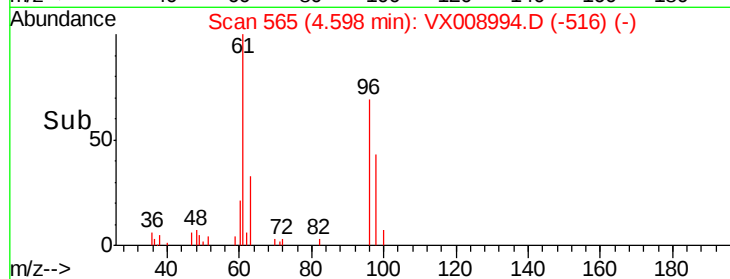
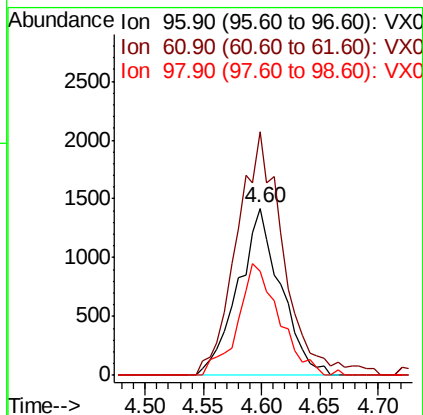
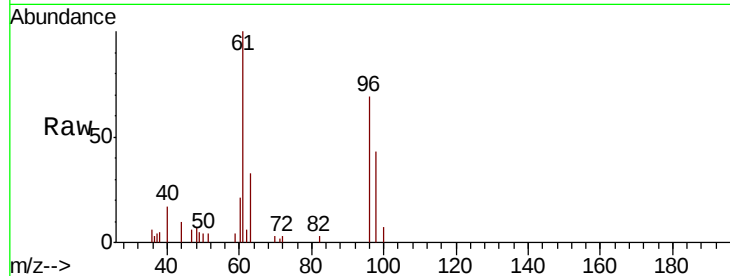


#27

cis-1,2-Dichloroethene
 Concen: 1.079 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008994.D
 Acq: 16 Apr 2019 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190415

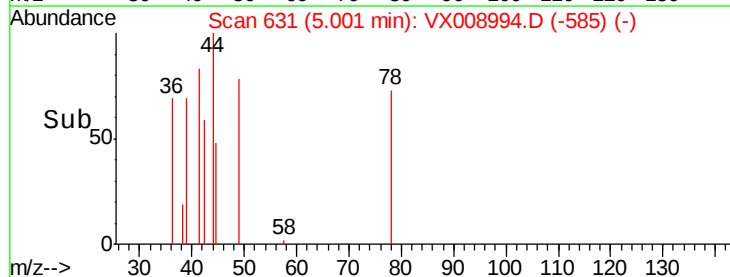
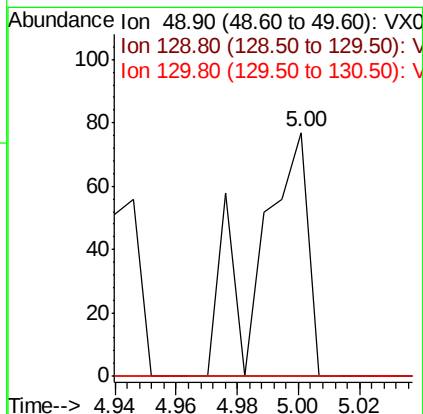
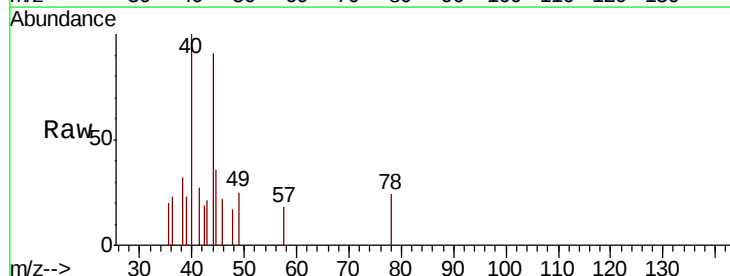
Tot Ion: 96 Resp: 3631
 Ion Ratio Lower Upper
 96 100
 61 160.0 0.0 322.0
 98 64.7 0.0 128.4

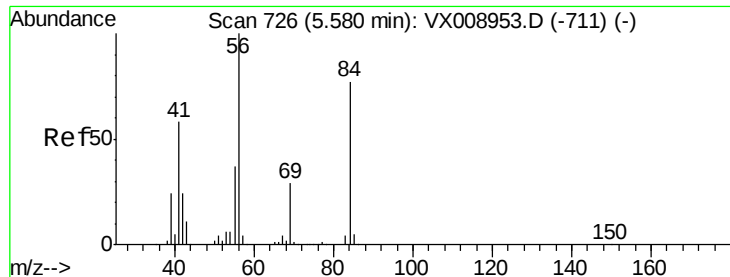


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.00 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: VX008994.D
 Acq: 16 Apr 2019 17:47

Tgt Ion: 49 Resp: 89
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 50.4 75.6#

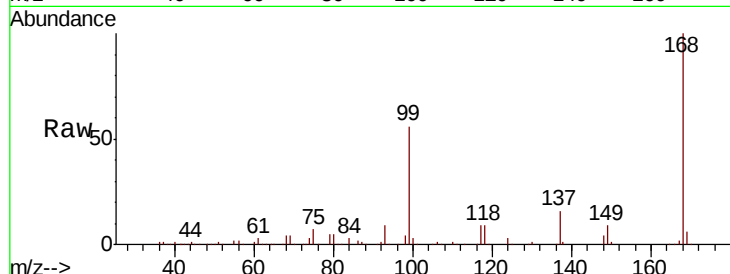




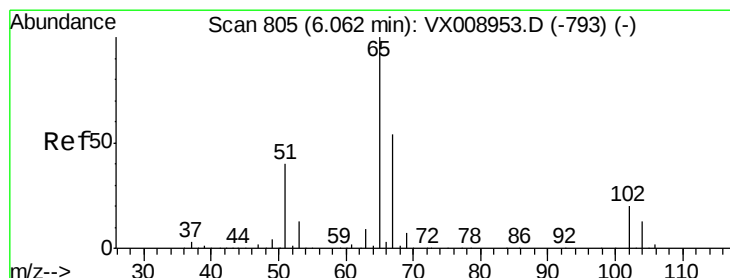
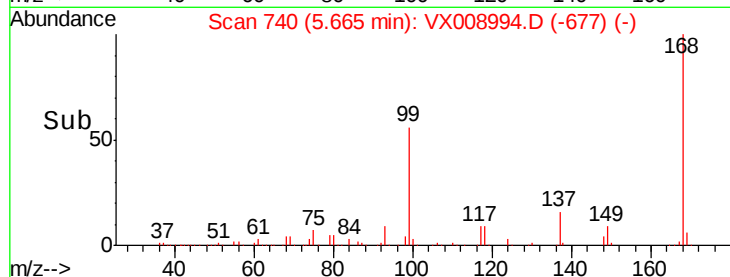
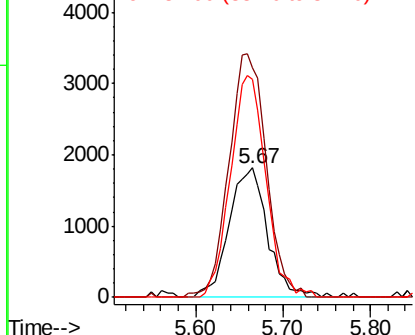
#31
Cyclohexane
Concen: 0.959 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008994.D
Acq: 16 Apr 2019 17:47

Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190415

Tot Ion: 56 Resp: 5576
Ion Ratio Lower Upper
56 100
69 177.6 23.3 34.9#
84 168.6 61.7 92.5#

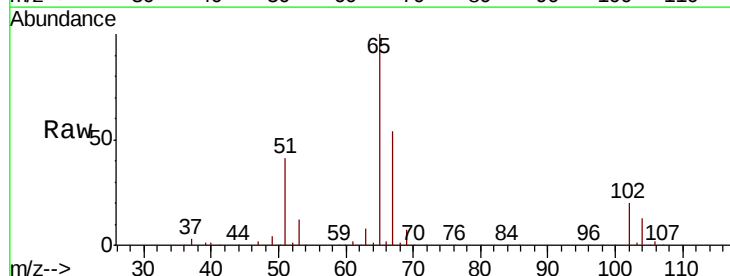


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

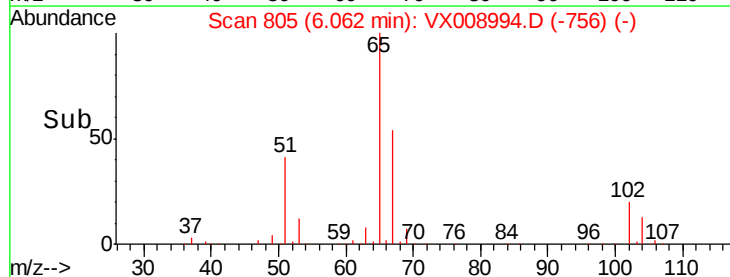
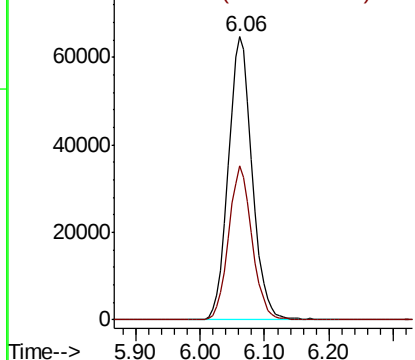


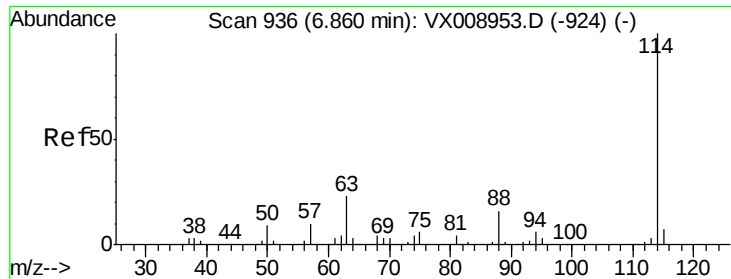
#33
1,2-Dichloroethane-d4
Concen: 46.057 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008994.D
Acq: 16 Apr 2019 17:47

Tgt Ion: 65 Resp: 168160
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.6



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

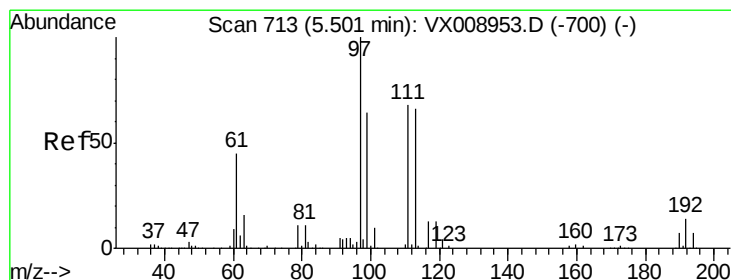
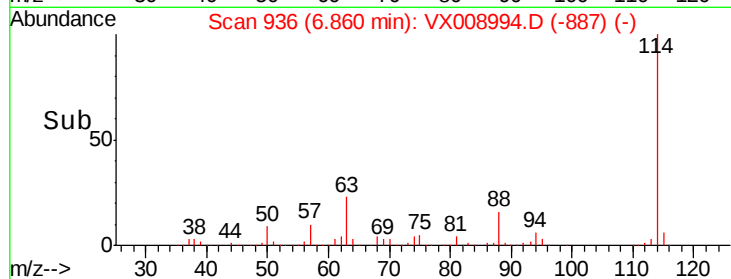
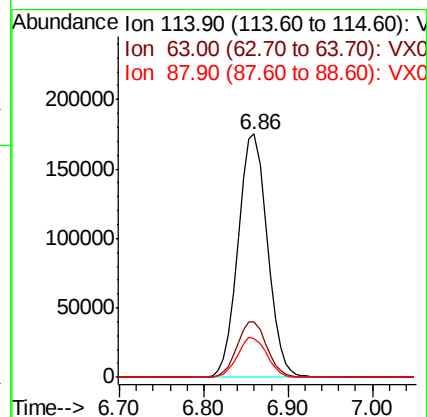
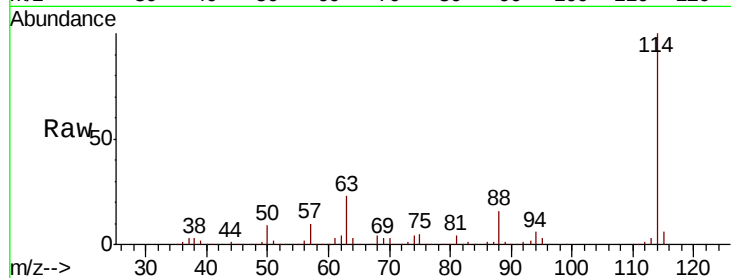




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008994.D
 Acq: 16 Apr 2019 17:47

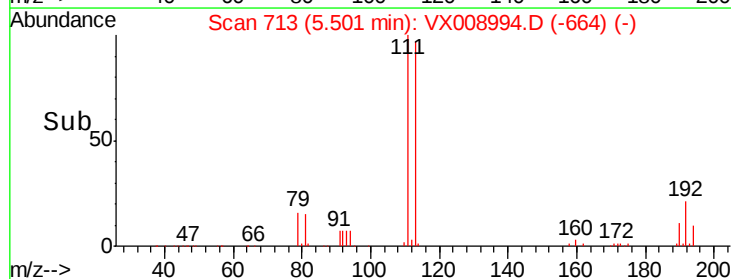
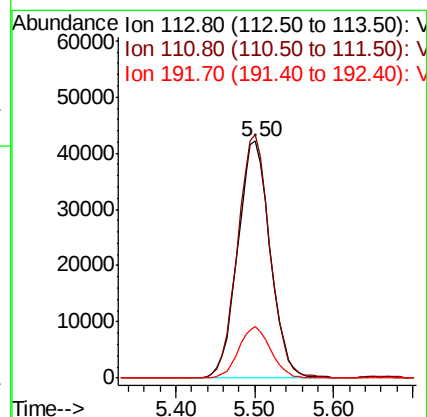
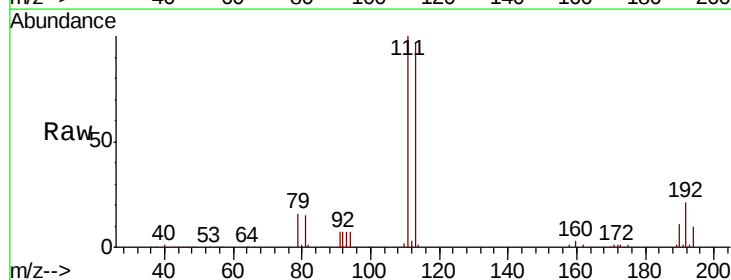
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190415

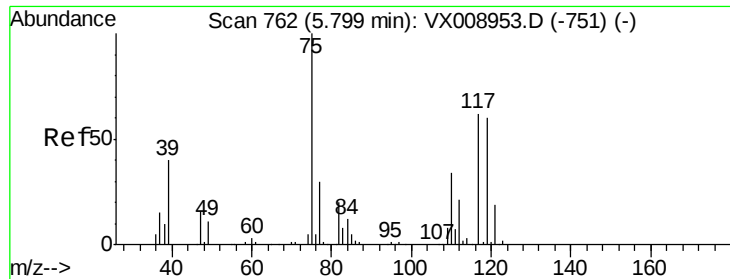
Tot Ion:114 Resp: 411683
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.0
 88 16.2 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 45.684 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008994.D
 Acq: 16 Apr 2019 17:47

Tgt Ion:113 Resp: 120701
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.9 124.3
 192 21.5 17.4 26.0

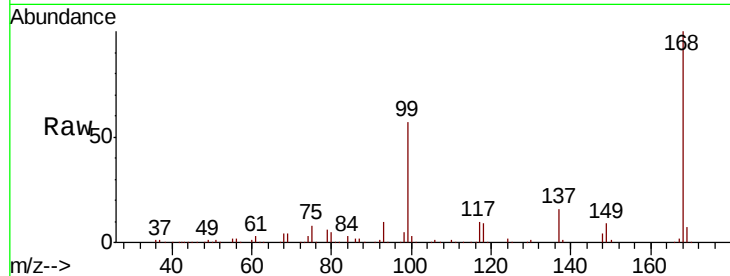




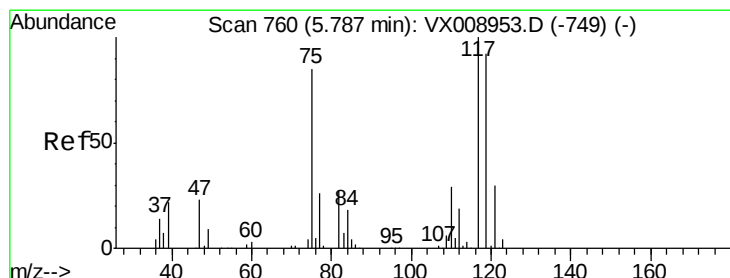
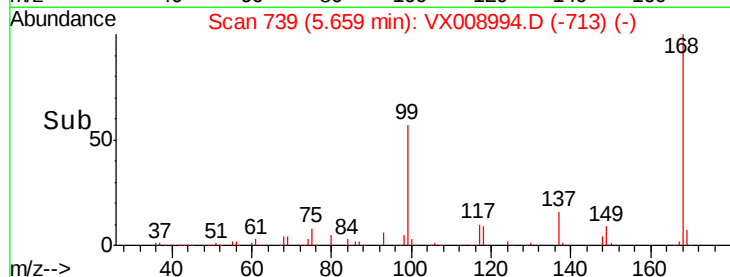
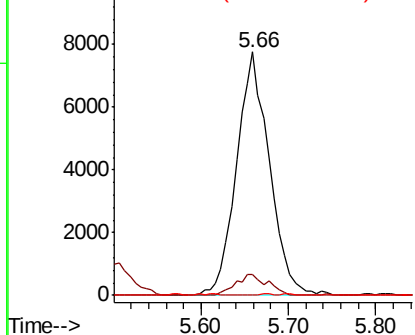
#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008994.D
 Acq: 16 Apr 2019 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190415

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.9	50.7#
77	0.3	25.0	37.4#

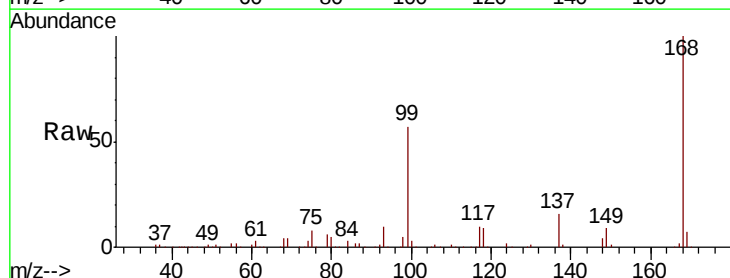


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

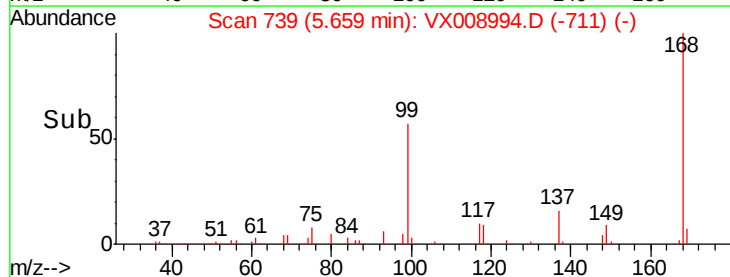
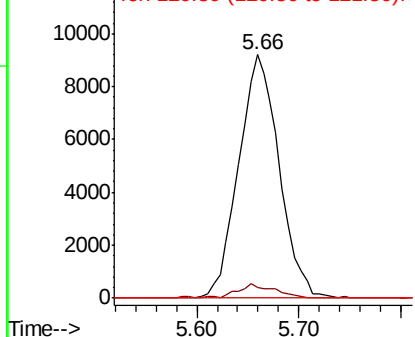


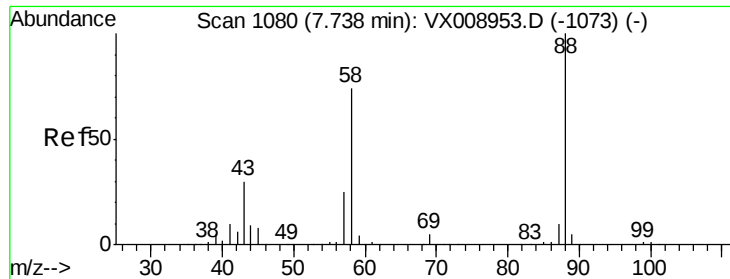
#38
 Carbon Tetrachloride
 Concen: 7.009 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008994.D
 Acq: 16 Apr 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	73.8	110.8#
121	0.0	23.6	35.4#



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





#49

1,4-Dioxane

Concen: 0.233 ug/l

RT: 7.61 min Scan# 1059

Delta R.T. -0.13 min

Lab File: VX008994.D

Acq: 16 Apr 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-190415

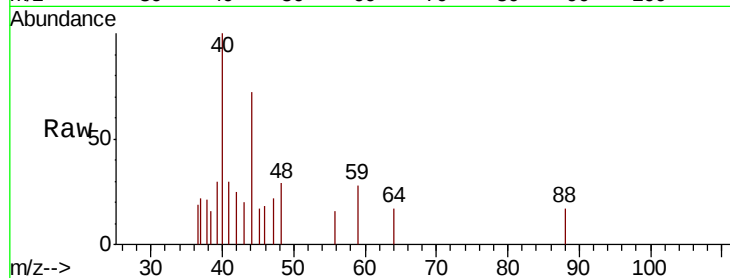
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 326.3 29.3 43.9#

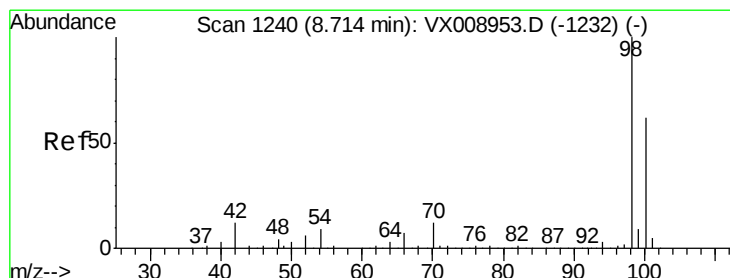
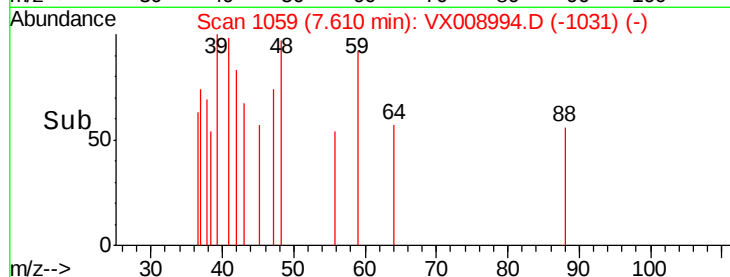
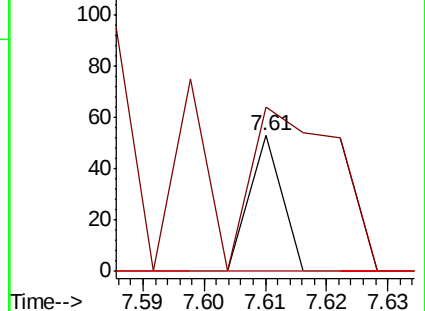
58 0.0 62.6 93.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.840 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008994.D

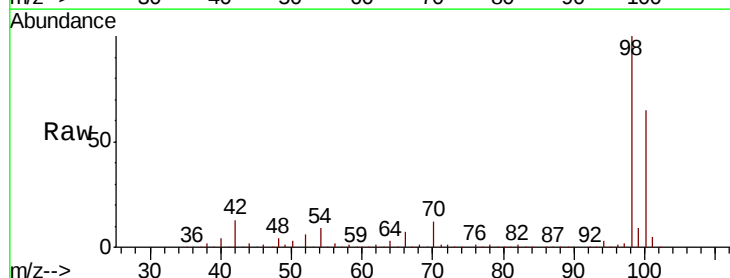
Acq: 16 Apr 2019 17:47

Tgt Ion: 98 Resp: 514611

Ion Ratio Lower Upper

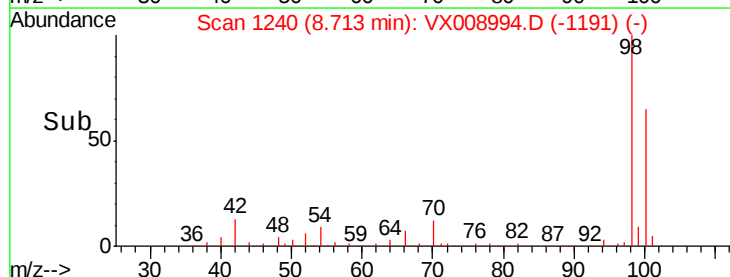
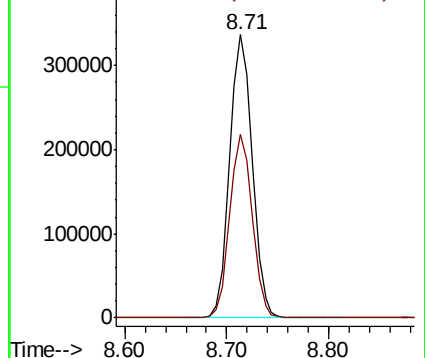
98 100

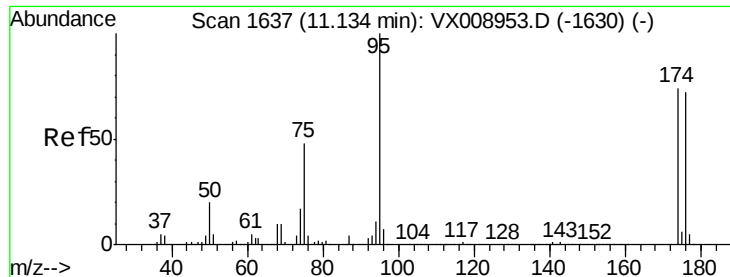
100 64.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.568 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008994.D

Acq: 16 Apr 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-190415

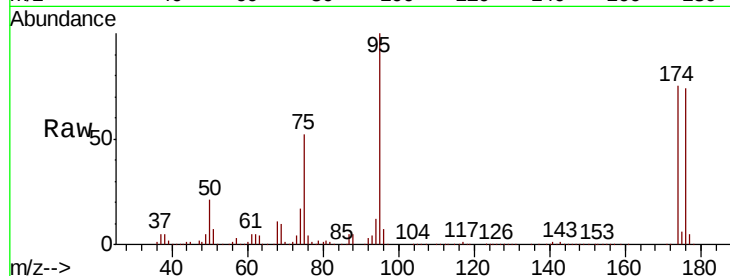
Tot Ion: 95 Resp: 173211

Ion Ratio Lower Upper

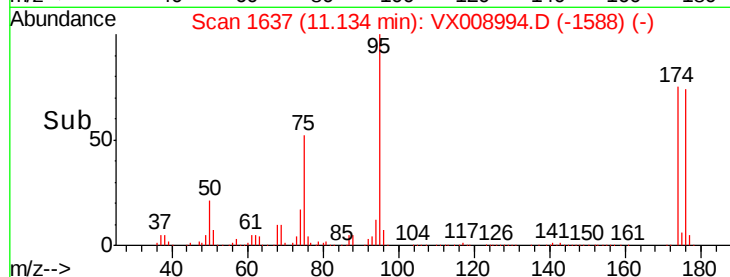
95 100

174 80.6 0.0 159.6

176 78.1 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008994.D (-1588) (-)



Ion 173.80 (173.50 to 174.50): VX008994.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008994.D (-1588) (-)

Time-->

11.13

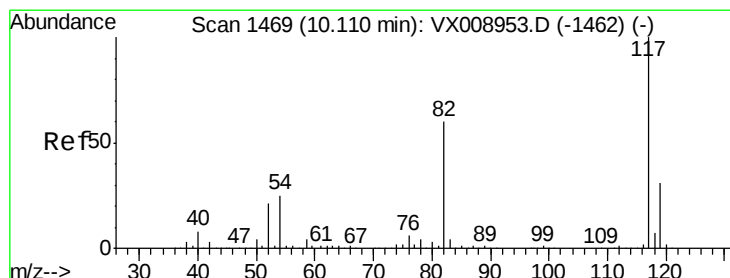
150000

100000

50000

0

11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008994.D

Acq: 16 Apr 2019 17:47

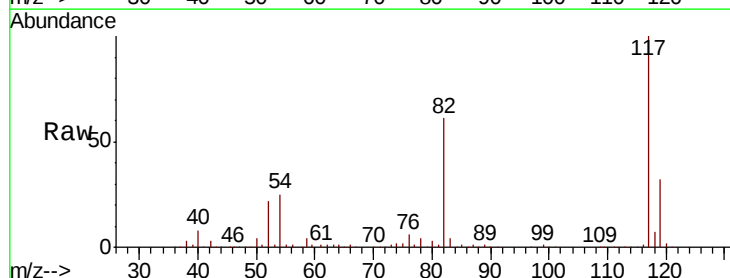
Tgt Ion: 117 Resp: 356842

Ion Ratio Lower Upper

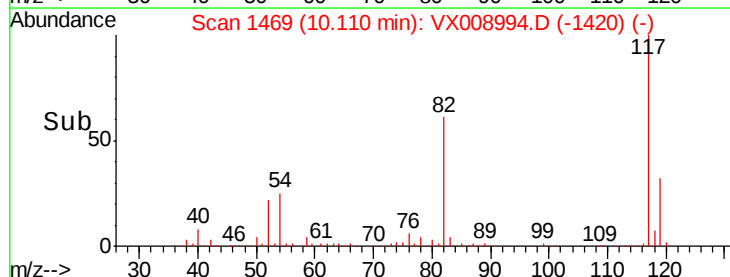
117 100

82 61.0 48.2 72.4

119 31.7 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): VX008994.D (-1420) (-)



Ion 82.00 (81.70 to 82.70): VX008994.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008994.D (-1420) (-)

Time-->

10.11

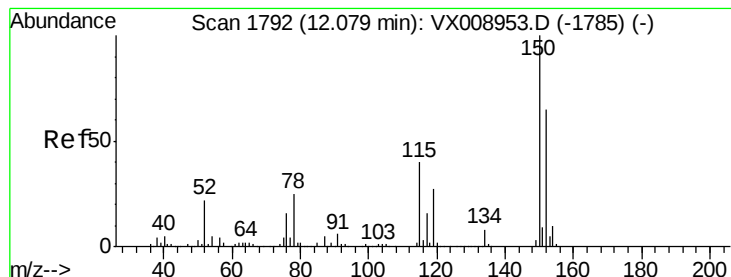
300000

200000

100000

0

10.00 10.10 10.20



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008994.D

Acq: 16 Apr 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-190415

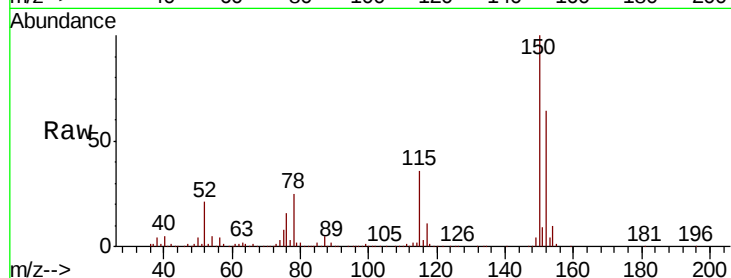
Tot Ion:152 Resp: 155065

Ion Ratio Lower Upper

152 100

115 58.9 41.4 124.2

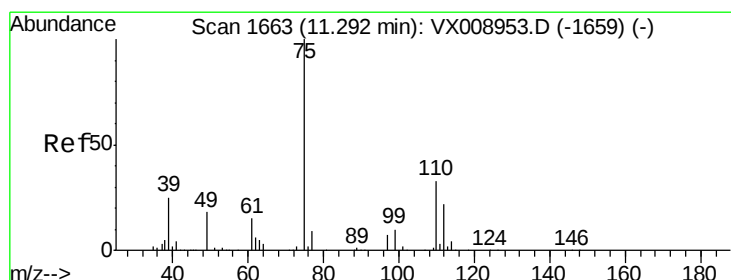
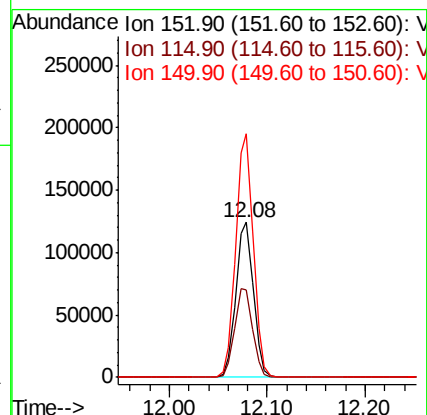
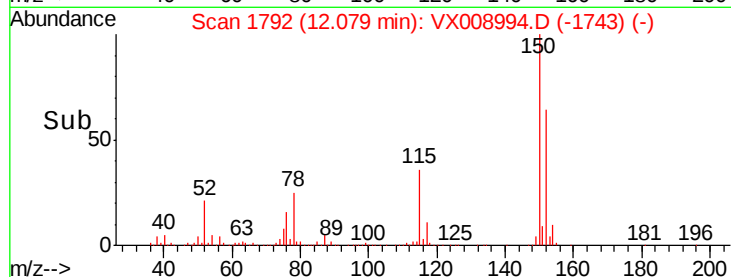
150 156.2 0.0 349.8



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: 23.404 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008994.D

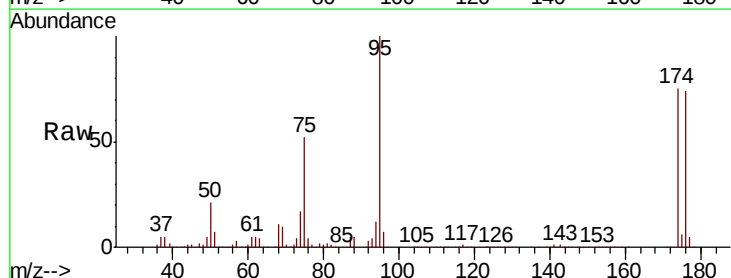
Acq: 16 Apr 2019 17:47

Tgt Ion: 75 Resp: 88616

Ion Ratio Lower Upper

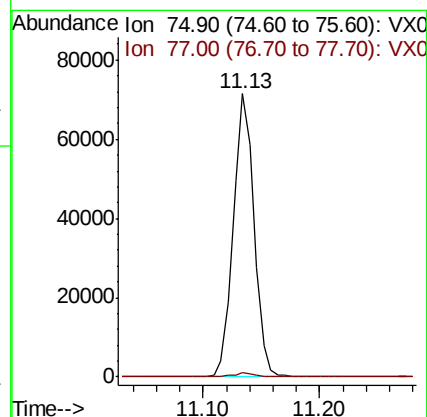
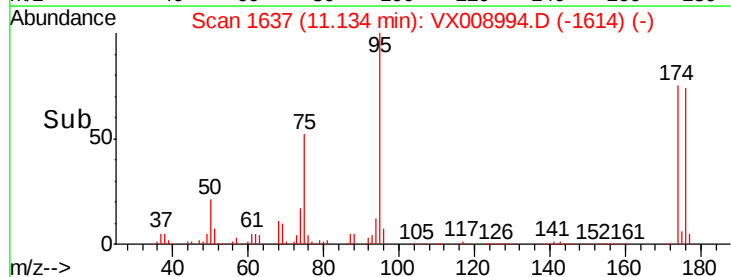
75 100

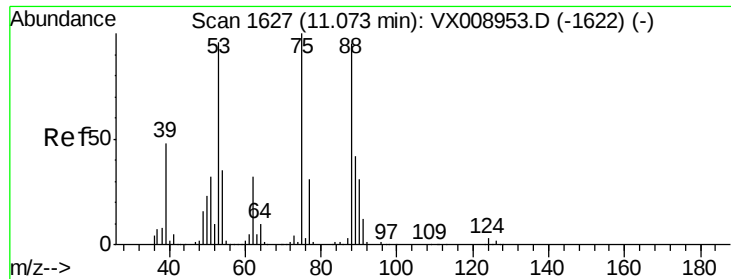
77 1.5 22.7 68.0#



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: 60.084 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008994.D

Acq: 16 Apr 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-190415

Tot Ion: 75 Resp: 88616

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#

