

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008993.D
 Acq On : 16 Apr 2019 17:24
 Operator : JC/SP
 Sample : K2425-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-190415

Quant Time: Apr 17 04:18:38 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	5.67	168	266102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	420002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	358295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150835	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	169720	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
35) Dibromofluoromethane	5.50	113	123144	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
50) Toluene-d8	8.71	98	521600	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.13	95	171986	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

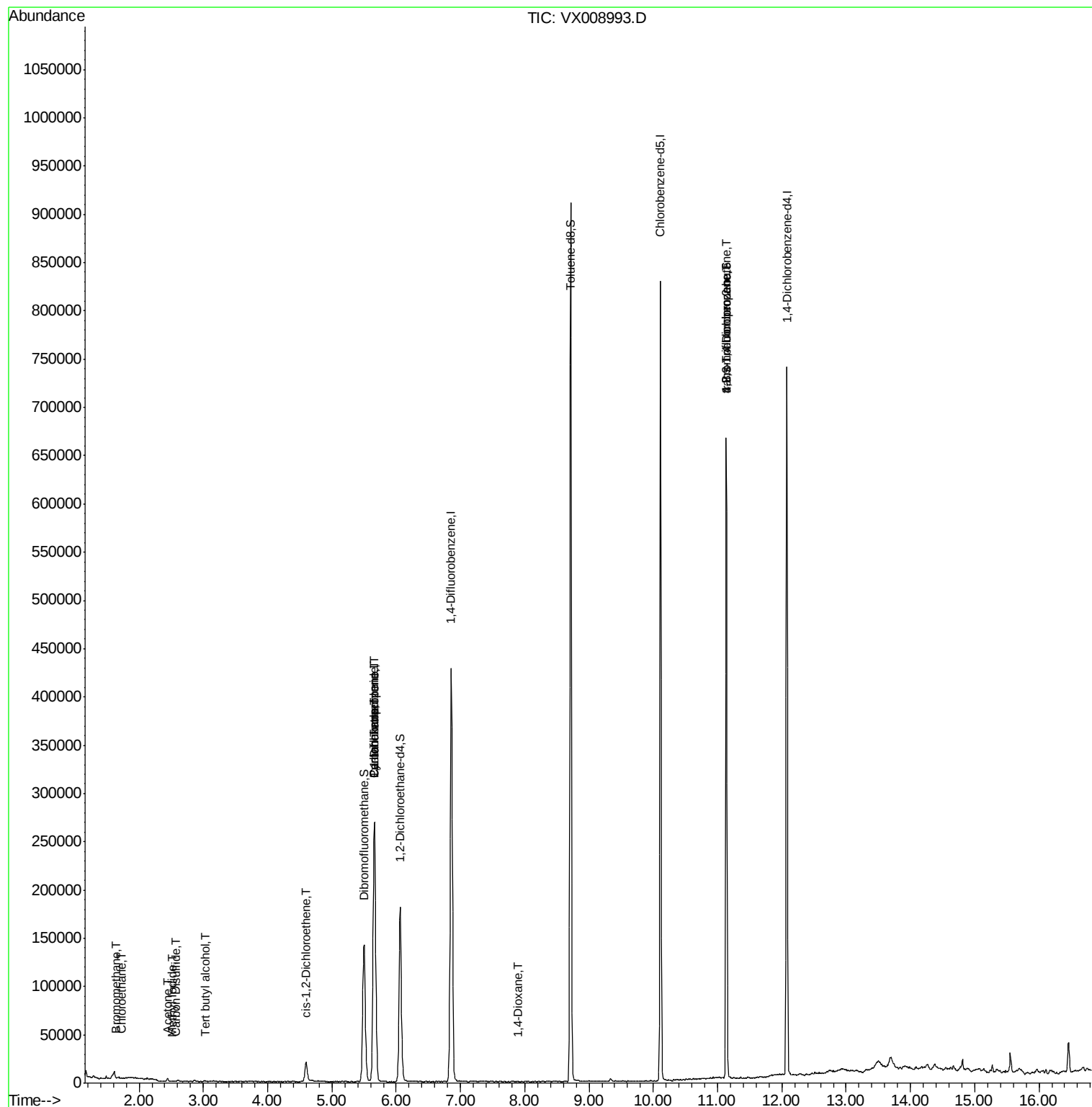
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	412	4.014	ug/l	88
6) Chloroethane	1.73	64	554	0.257	ug/l #	64
10) Methyl Iodide	2.52	142	213	4.479	ug/l #	55
11) Tert butyl alcohol	3.03	59	856	1.028	ug/l #	79
16) Acetone	2.44	43	3383	1.740	ug/l	94
17) Carbon Disulfide	2.57	76	840	1.350	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	12235	3.540	ug/l	92
28) Bromochloromethane	5.03	49	24	Below Cal	#	21
31) Cyclohexane	5.67	56	5992	1.003	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	20389	4.694	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24956	6.777	ug/l #	17
49) 1,4-Dioxane	7.90	88	41	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	88674	24.076	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	88674	61.810	ug/l #	11

(#) = 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. -0.00 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

Instrument :

MSVOA_X

ClientSampleId :

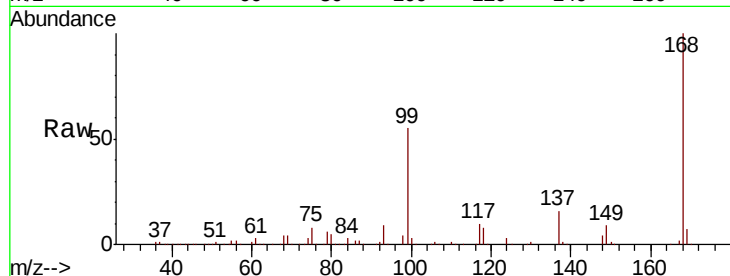
KY038PS036-190415

Tot Ion:168 Resp: 266102

Ion Ratio Lower Upper

168 100

99 54.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

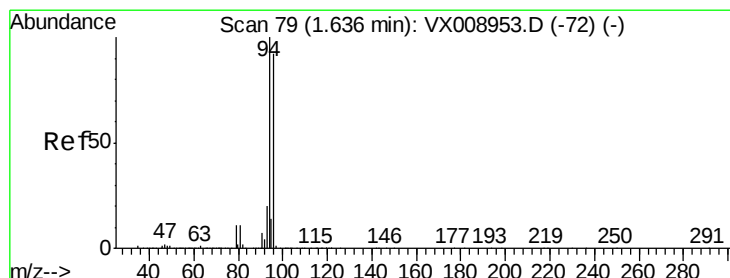
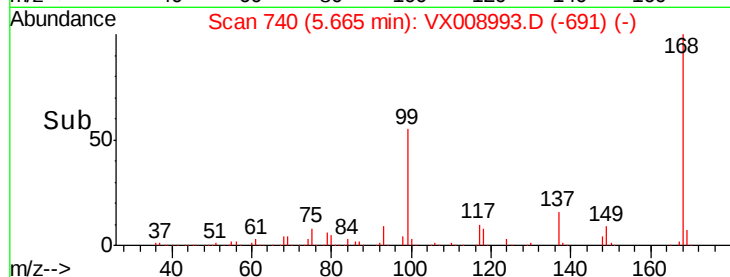
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.014 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008993.D

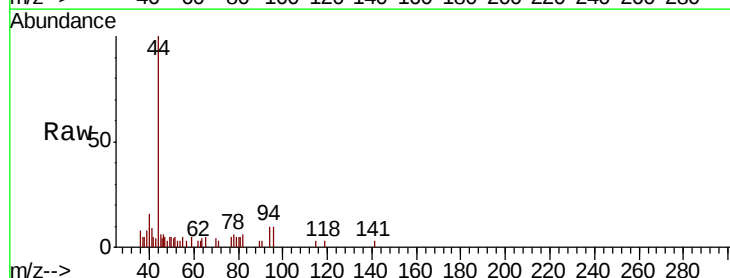
Acq: 16 Apr 2019 17:24

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 103.9 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

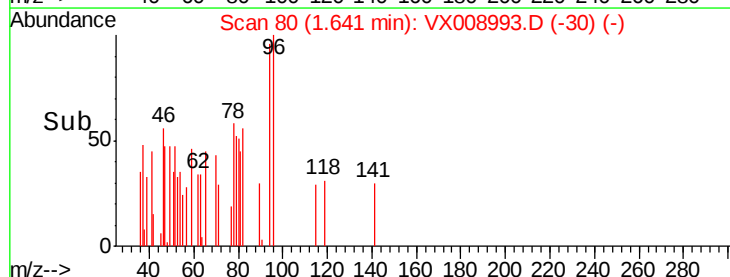
150

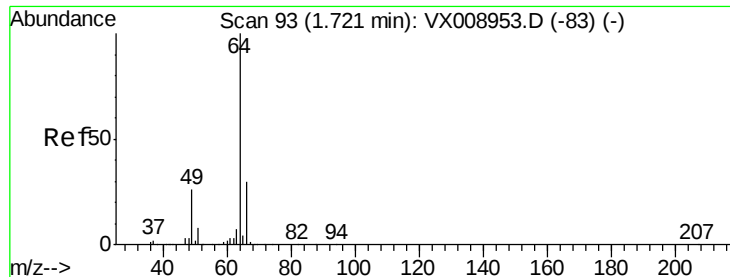
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.257 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

Instrument :

MSVOA_X

ClientSampleId :

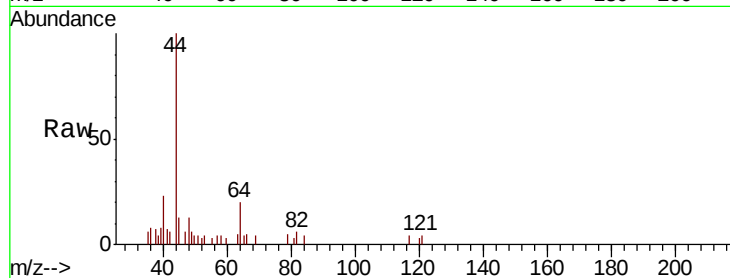
KY038PS036-190415

Tot Ion: 64 Resp: 554

Ion Ratio Lower Upper

64 100

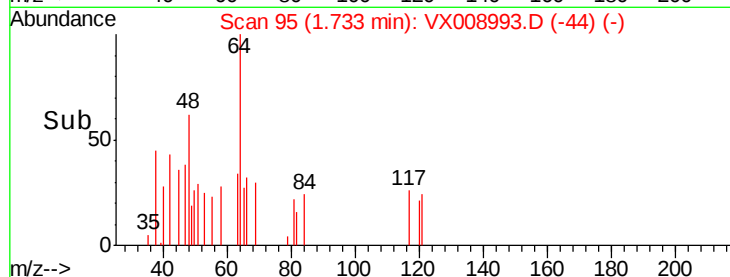
66 10.8 24.2 36.2#



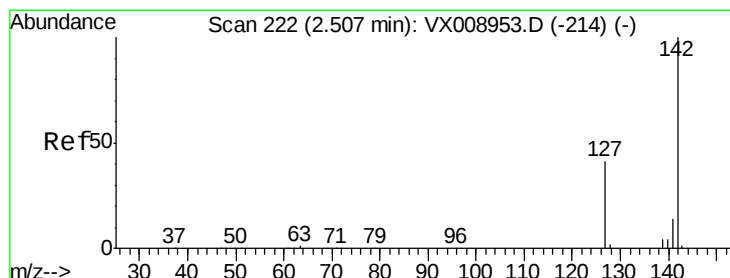
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

Time-->



Time-->



#10

Methyl Iodide

Concen: 4.479 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

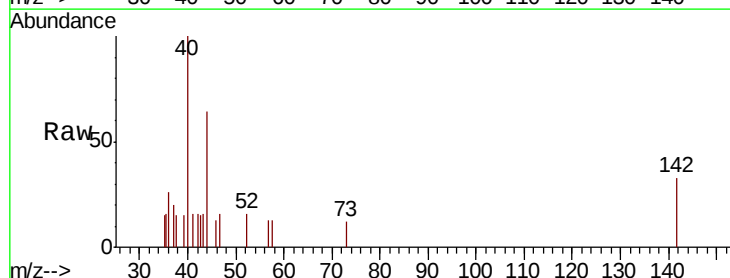
Tgt Ion: 142 Resp: 213

Ion Ratio Lower Upper

142 100

127 10.3 32.8 49.2#

141 0.0 11.4 17.2#

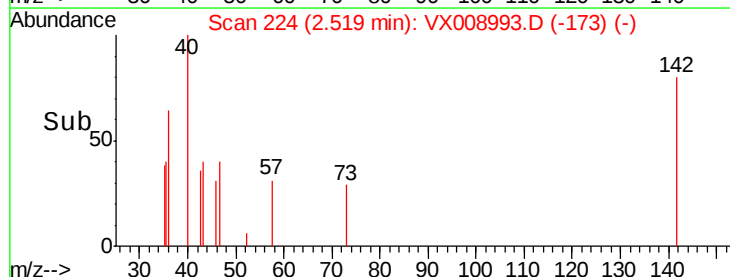


Abundance Ion 141.80 (141.50 to 142.50): V

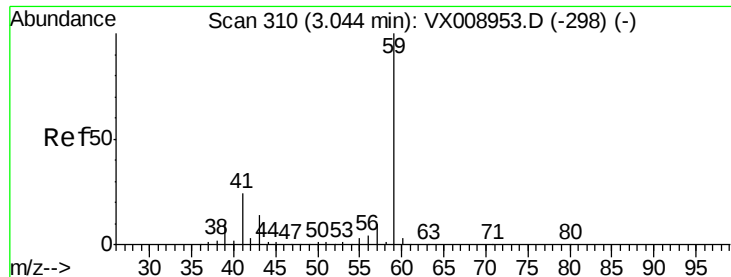
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->



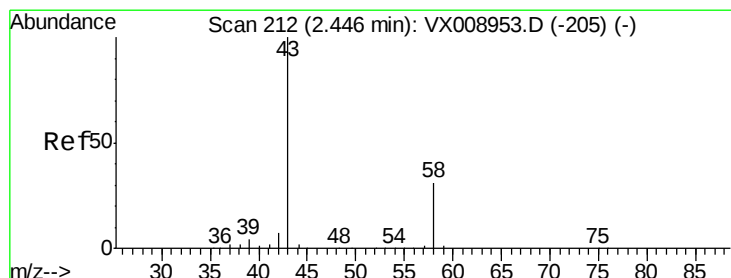
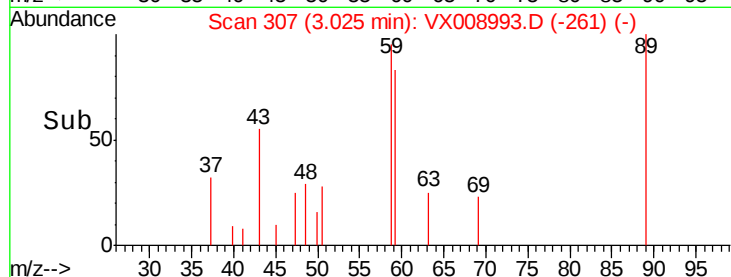
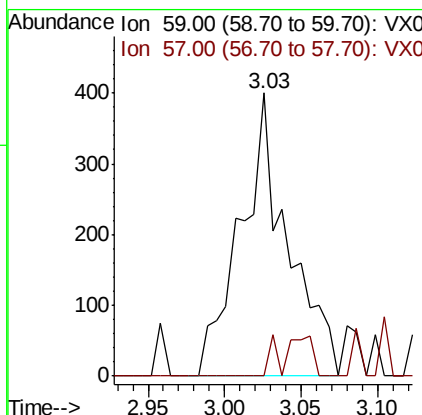
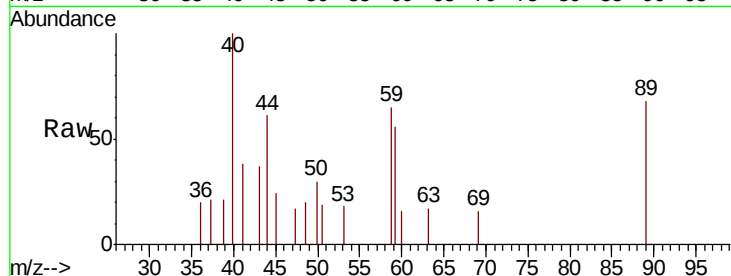
Time-->



#11
Tert butyl alcohol
Concen: 1.028 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008993.D
Acq: 16 Apr 2019 17:24

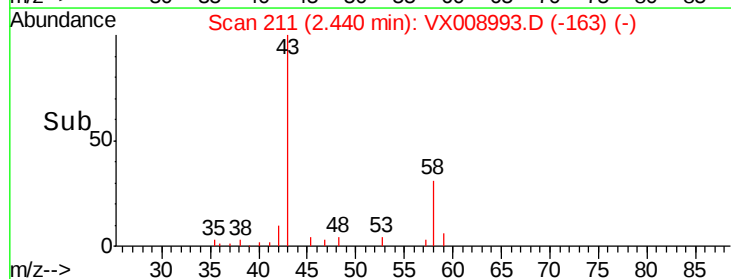
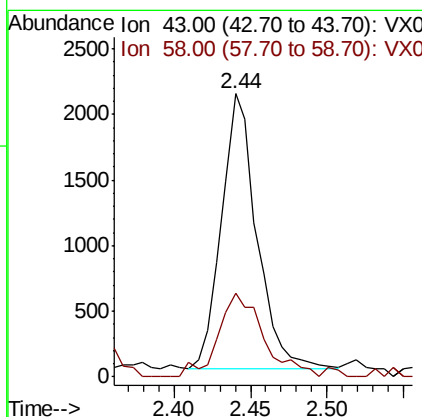
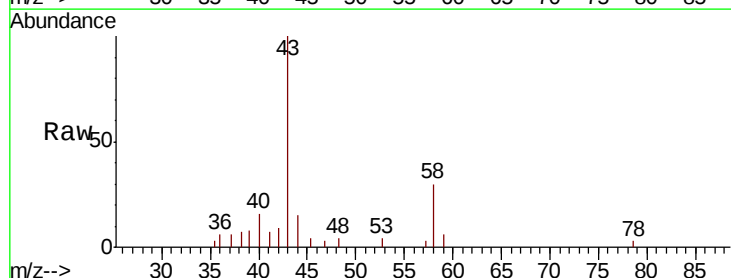
Instrument :
MSVOA_X
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KY038PS036-190415

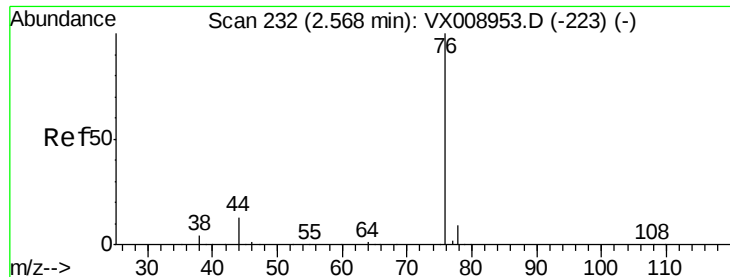
Tot Ion: 59 Resp: 856
Ion Ratio Lower Upper
59 100
57 2.5 8.4 12.6#



#16
Acetone
Concen: 1.740 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008993.D
Acq: 16 Apr 2019 17:24

Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
58 27.8 24.8 37.2





#17

Carbon Disulfide

Concen: 1.350 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

Instrument :

MSVOA_X

ClientSampleId :

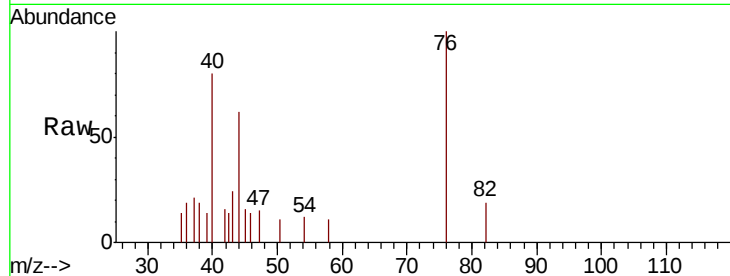
KY038PS036-190415

Tot Ion: 76 Resp: 840

Ion Ratio Lower Upper

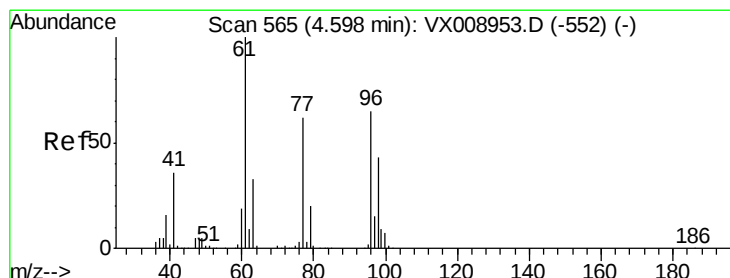
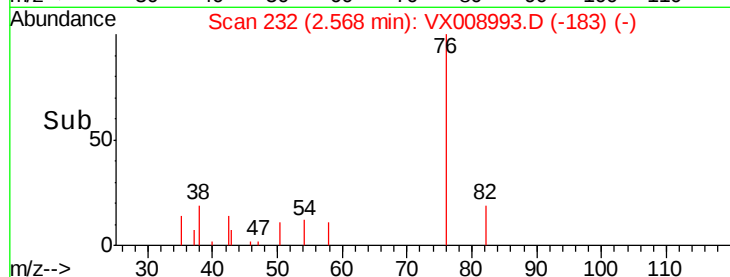
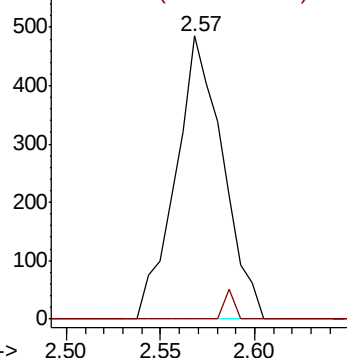
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.540 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

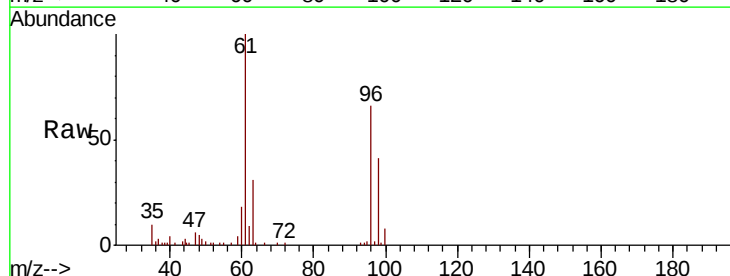
Tgt Ion: 96 Resp: 12235

Ion Ratio Lower Upper

96 100

61 146.6 0.0 322.0

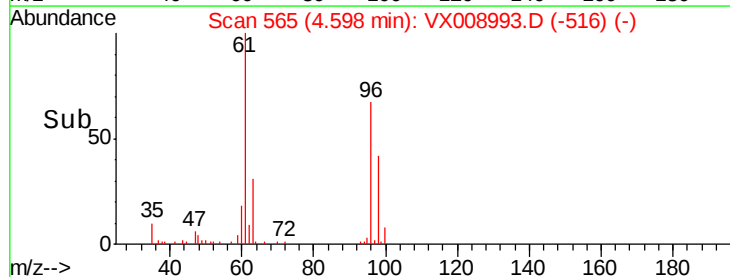
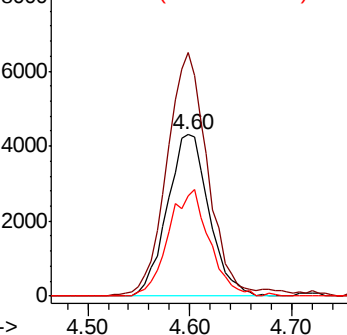
98 64.3 0.0 128.4

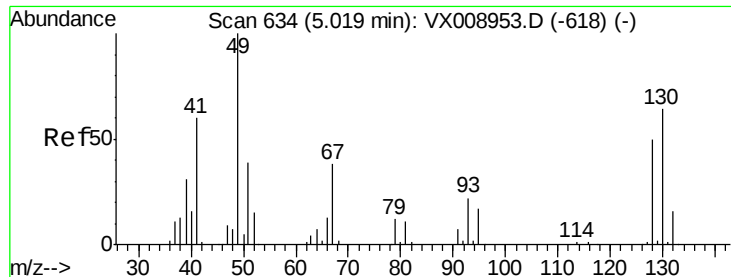


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190415

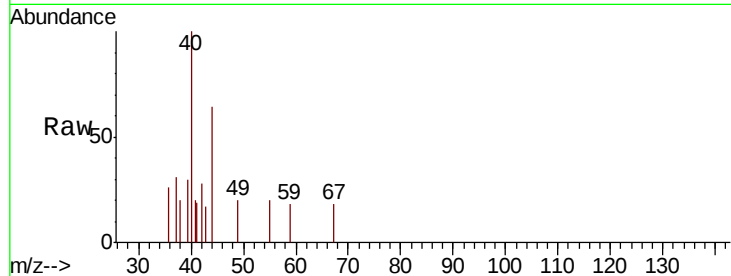
Tot Ion: 49 Resp: 24

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

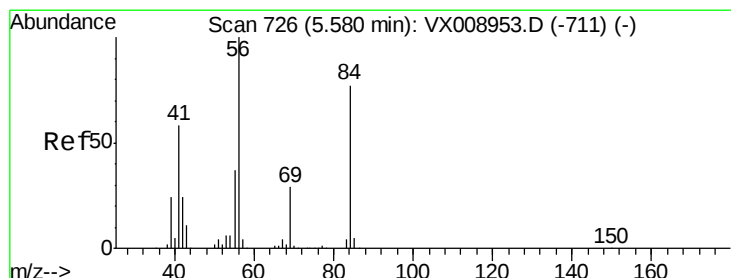
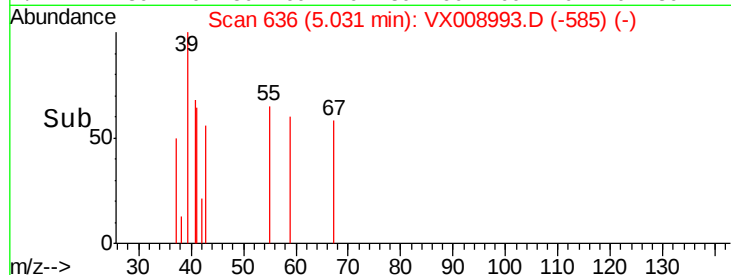
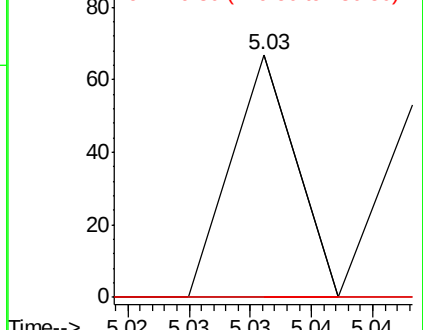
130 0.0 50.4 75.6#



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: 1.003 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

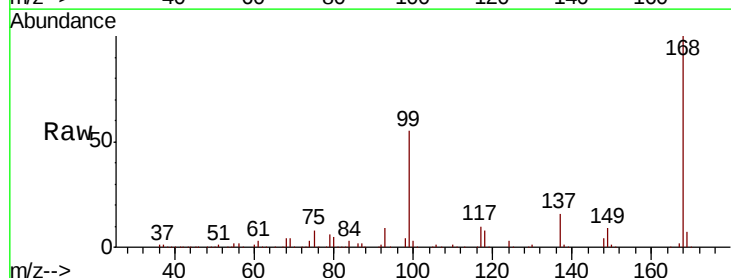
Tgt Ion: 56 Resp: 5992

Ion Ratio Lower Upper

56 100

69 178.0 23.3 34.9#

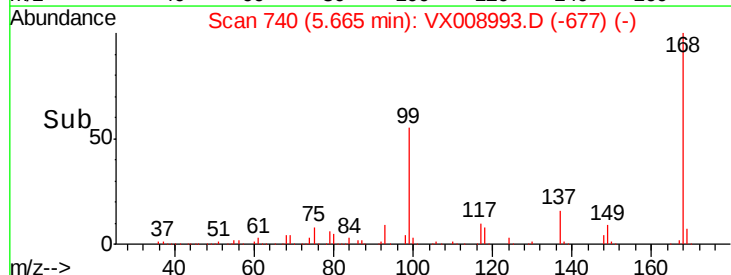
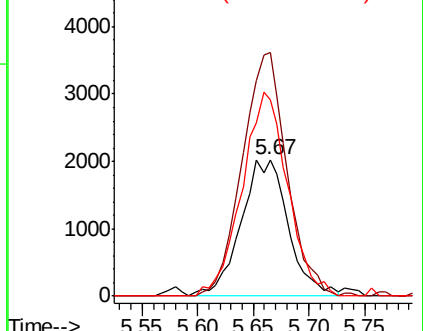
84 143.4 61.7 92.5#

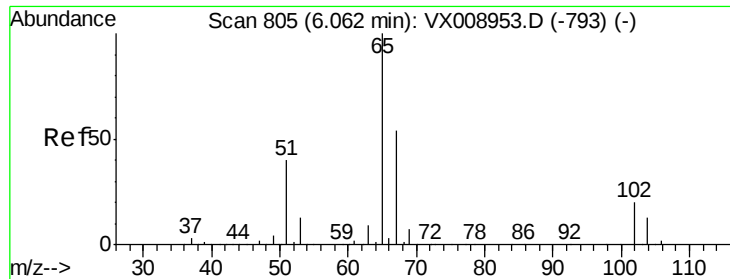


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.257 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

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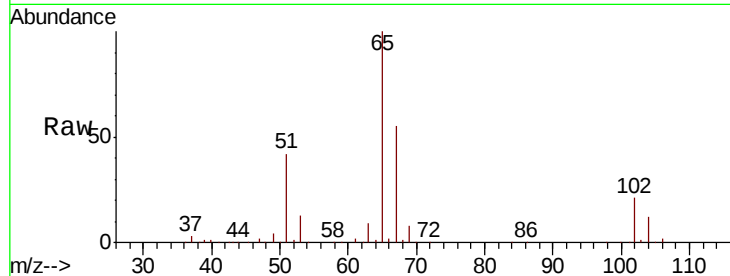
KY038PS036-190415

Tot Ion: 65 Resp: 169720

Ion Ratio Lower Upper

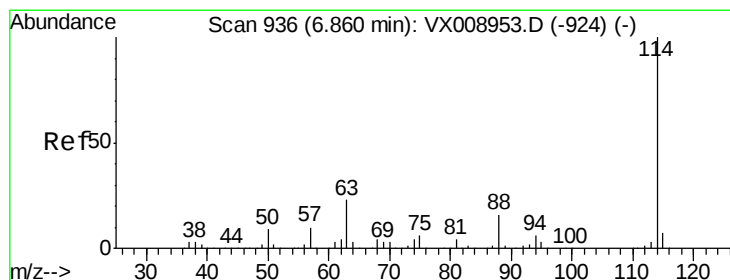
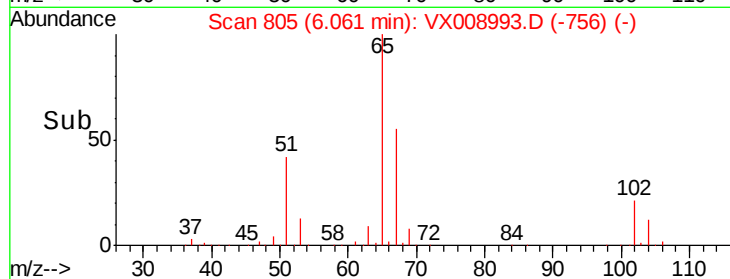
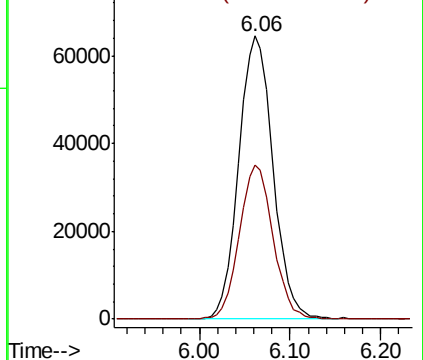
65 100

67 53.7 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

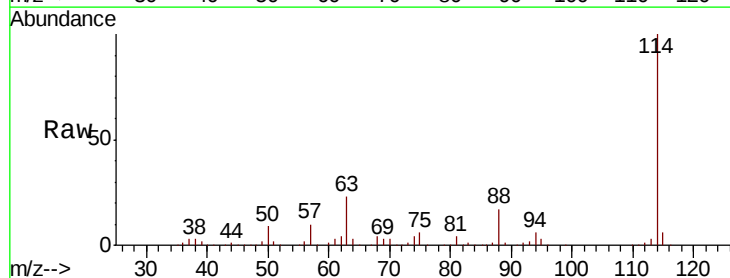
Tgt Ion: 114 Resp: 420002

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.0

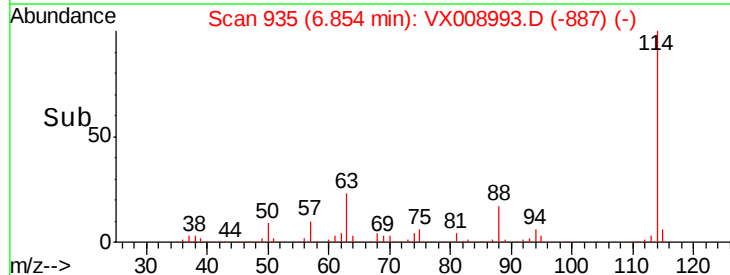
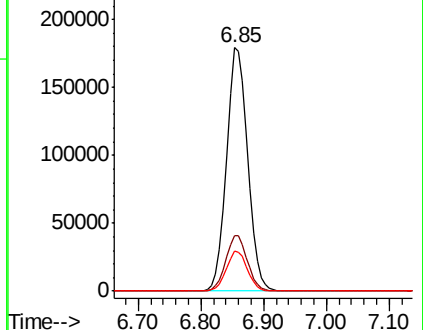
88 16.6 0.0 32.6

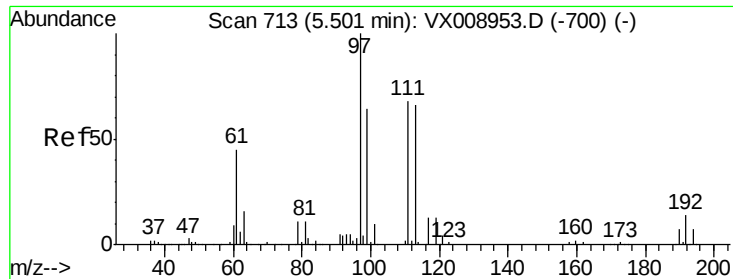


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

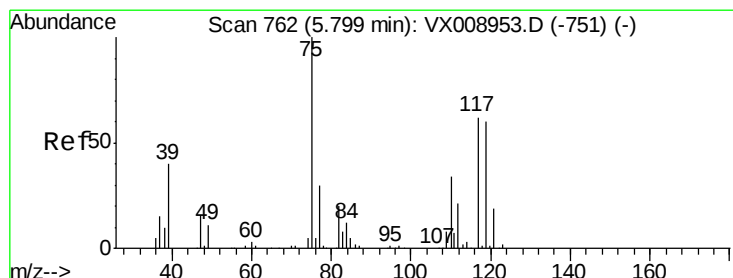
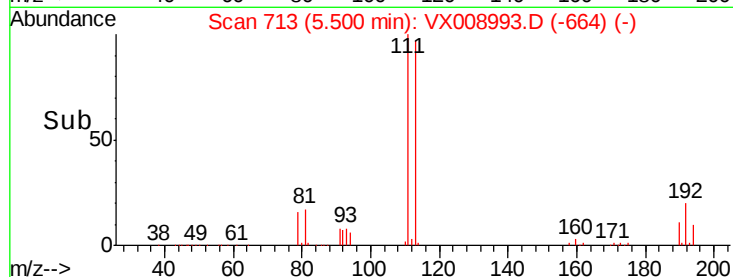
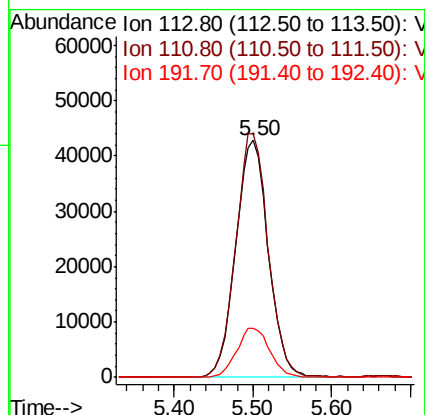
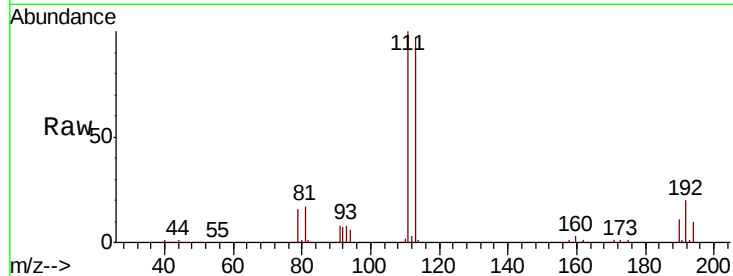




#35
 Dibromofluoromethane
 Concen: 45.685 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008993.D
 Acq: 16 Apr 2019 17:24

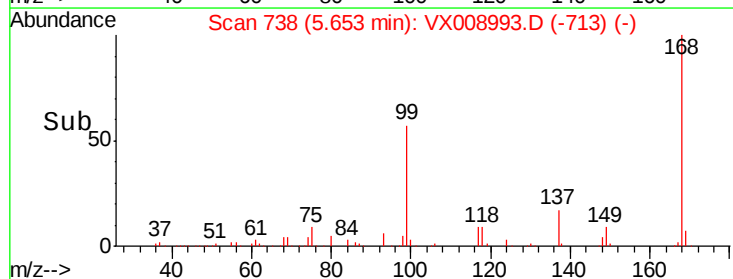
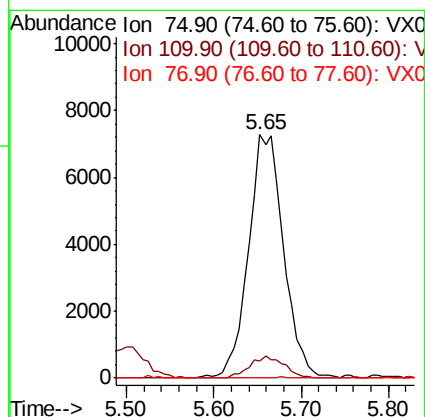
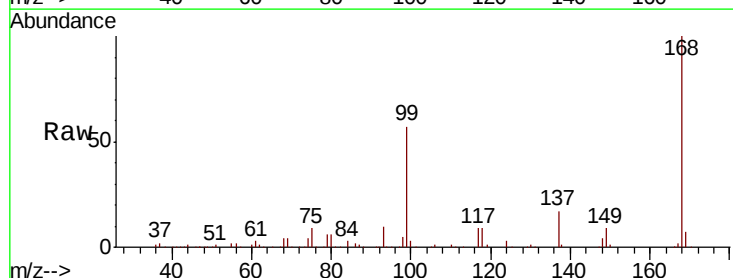
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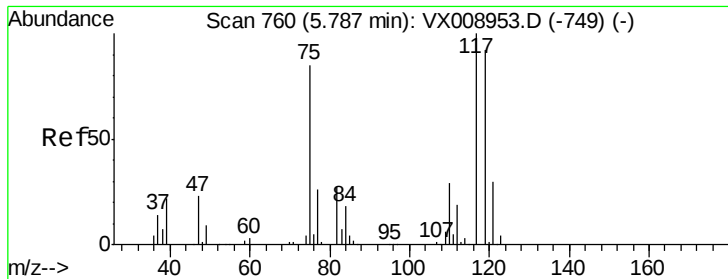
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	21.2	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.694 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008993.D
 Acq: 16 Apr 2019 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.777 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190415

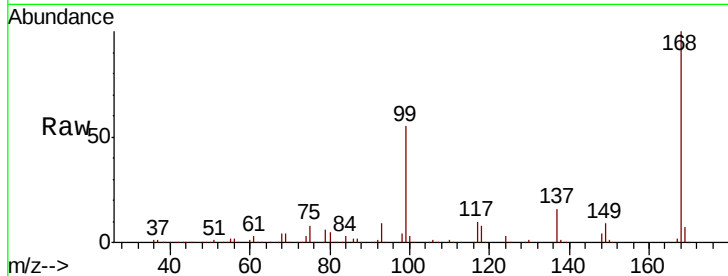
Tot Ion:117 Resp: 24956

Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

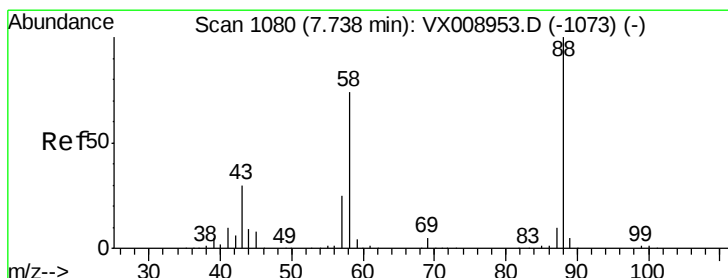
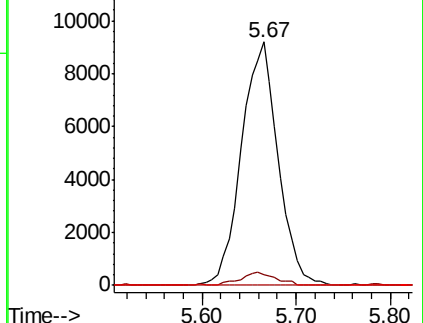
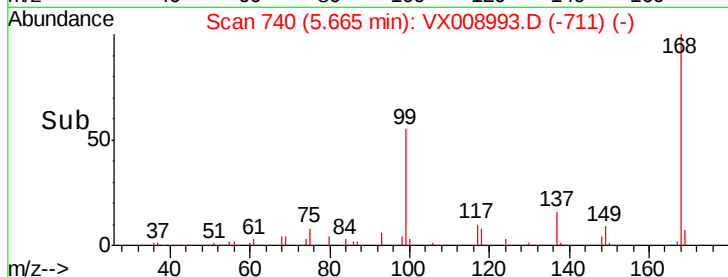
121 0.0 23.6 35.4#



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: 0.492 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.16 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

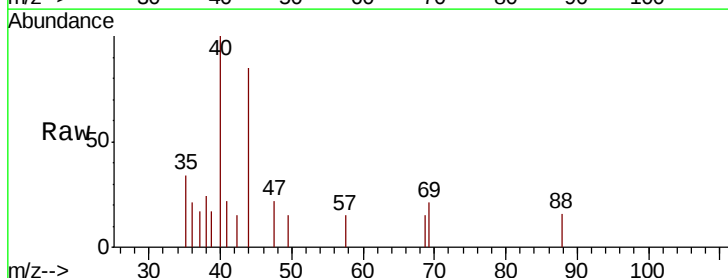
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 568.3 29.3 43.9#

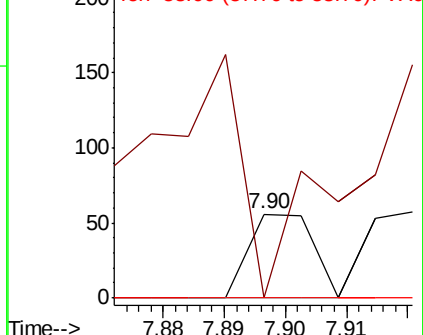
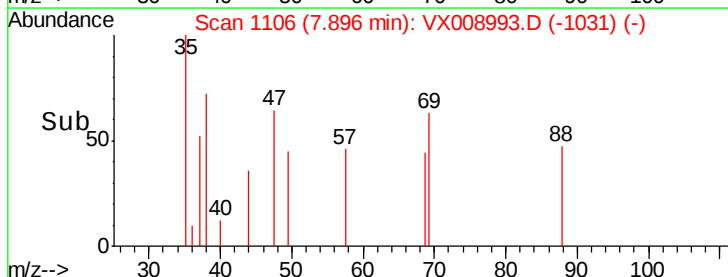
58 0.0 62.6 93.8#

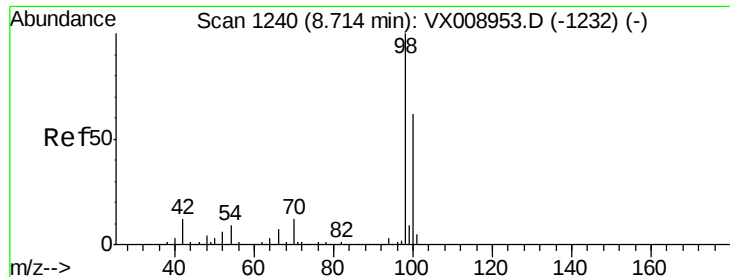


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.522 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

Instrument :

MSVOA_X

ClientSampleId :

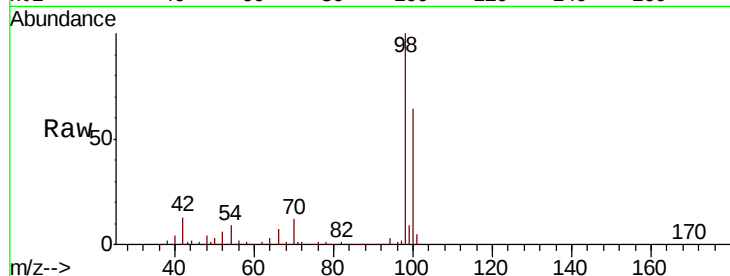
KY038PS036-190415

Tot Ion: 98 Resp: 521600

Ion Ratio Lower Upper

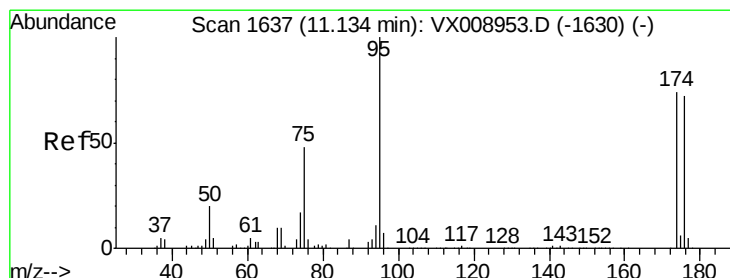
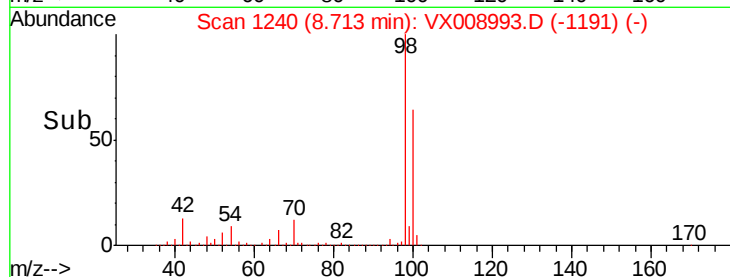
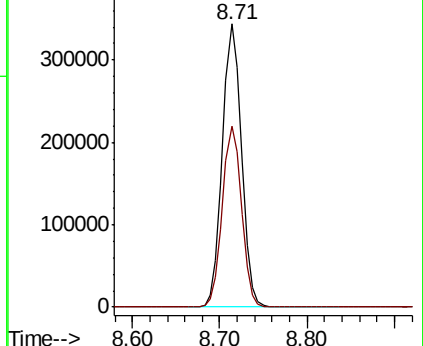
98 100

100 64.2 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: 45.323 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008993.D

Acq: 16 Apr 2019 17:24

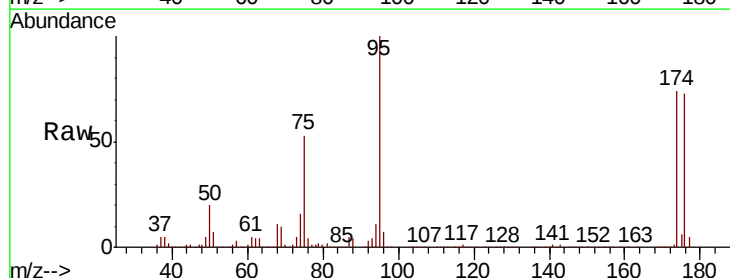
Tgt Ion: 95 Resp: 171986

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.6

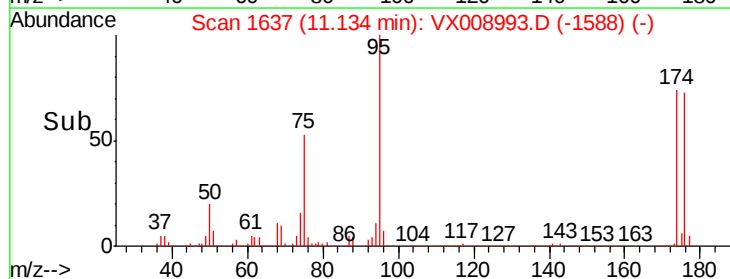
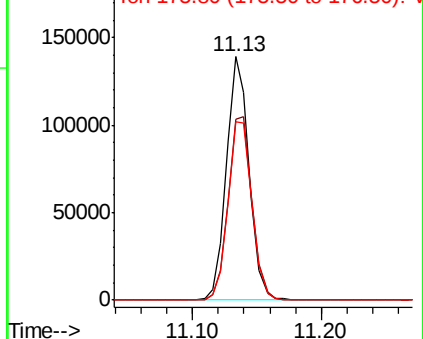
176 77.9 0.0 154.8

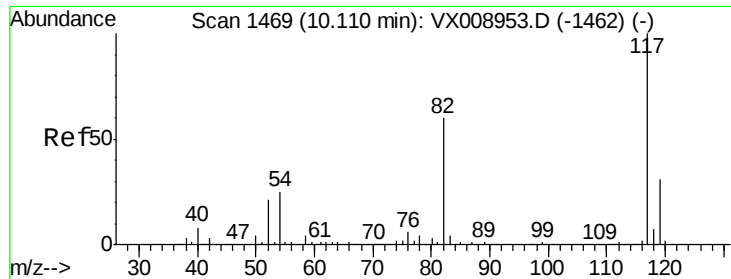


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

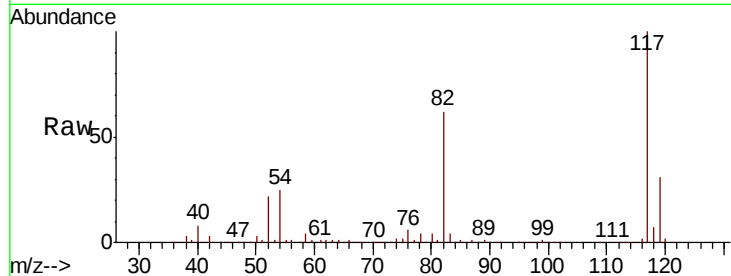




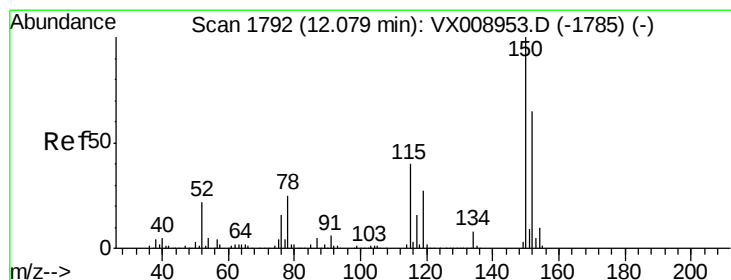
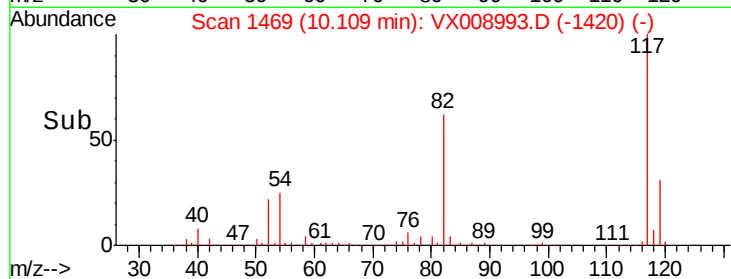
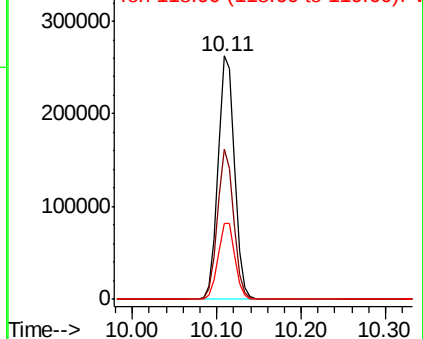
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008993.D
Acq: 16 Apr 2019 17:24

Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-190415

Tot Ion:117 Resp: 358295
Ion Ratio Lower Upper
117 100
82 61.9 48.2 72.4
119 31.3 25.0 37.6

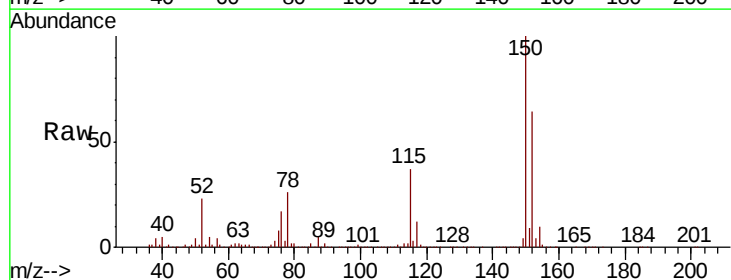


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

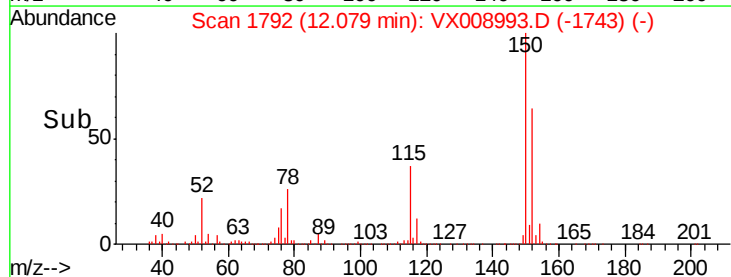
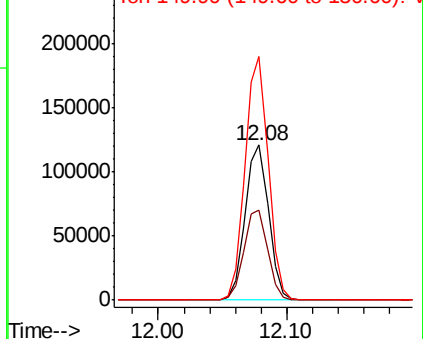


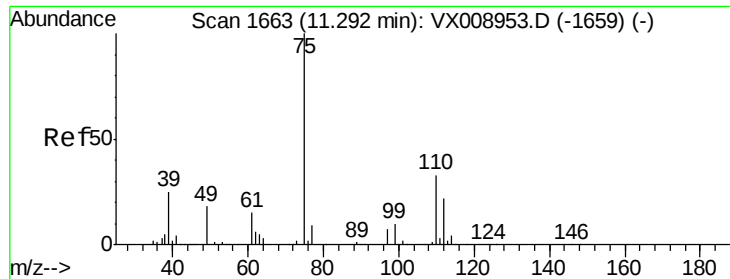
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008993.D
Acq: 16 Apr 2019 17:24

Tgt Ion:152 Resp: 150835
Ion Ratio Lower Upper
152 100
115 58.9 41.4 124.2
150 155.6 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

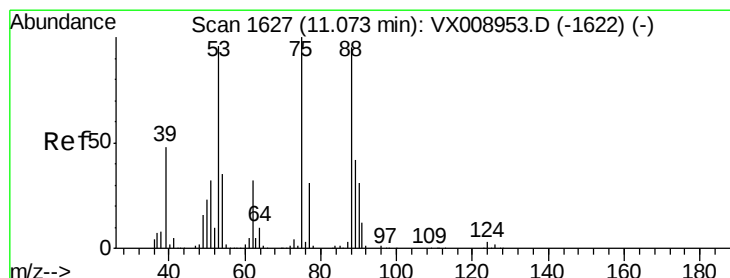
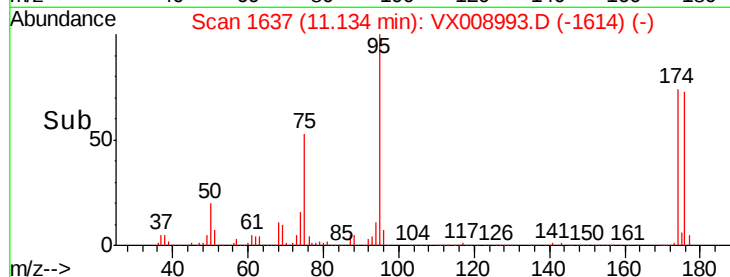
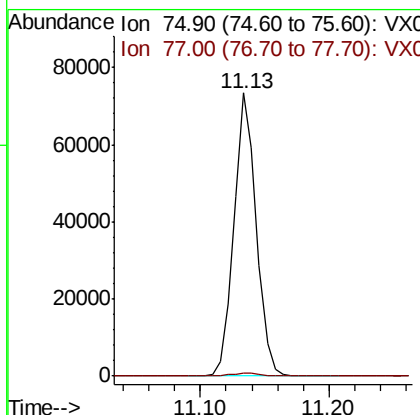
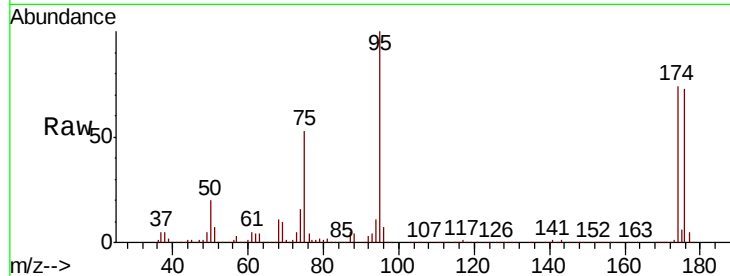




#76
 1,2,3-Trichloropropane
 Concen: 24.076 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008993.D
 Acq: 16 Apr 2019 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-190415

Tot Ion: 75 Resp: 88674
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.810 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008993.D
 Acq: 16 Apr 2019 17:24

Tgt Ion: 75 Resp: 88674
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.2 117.4#
 89 0.0 36.0 54.0#

