

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009159.D
 Acq On : 25 Apr 2019 13:58
 Operator : JC/SP
 Sample : K2535-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

Quant Time: Apr 26 04:27:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126059	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	141071	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
35) Dibromofluoromethane	5.49	113	103486	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.71	98	428498	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.13	95	142756	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

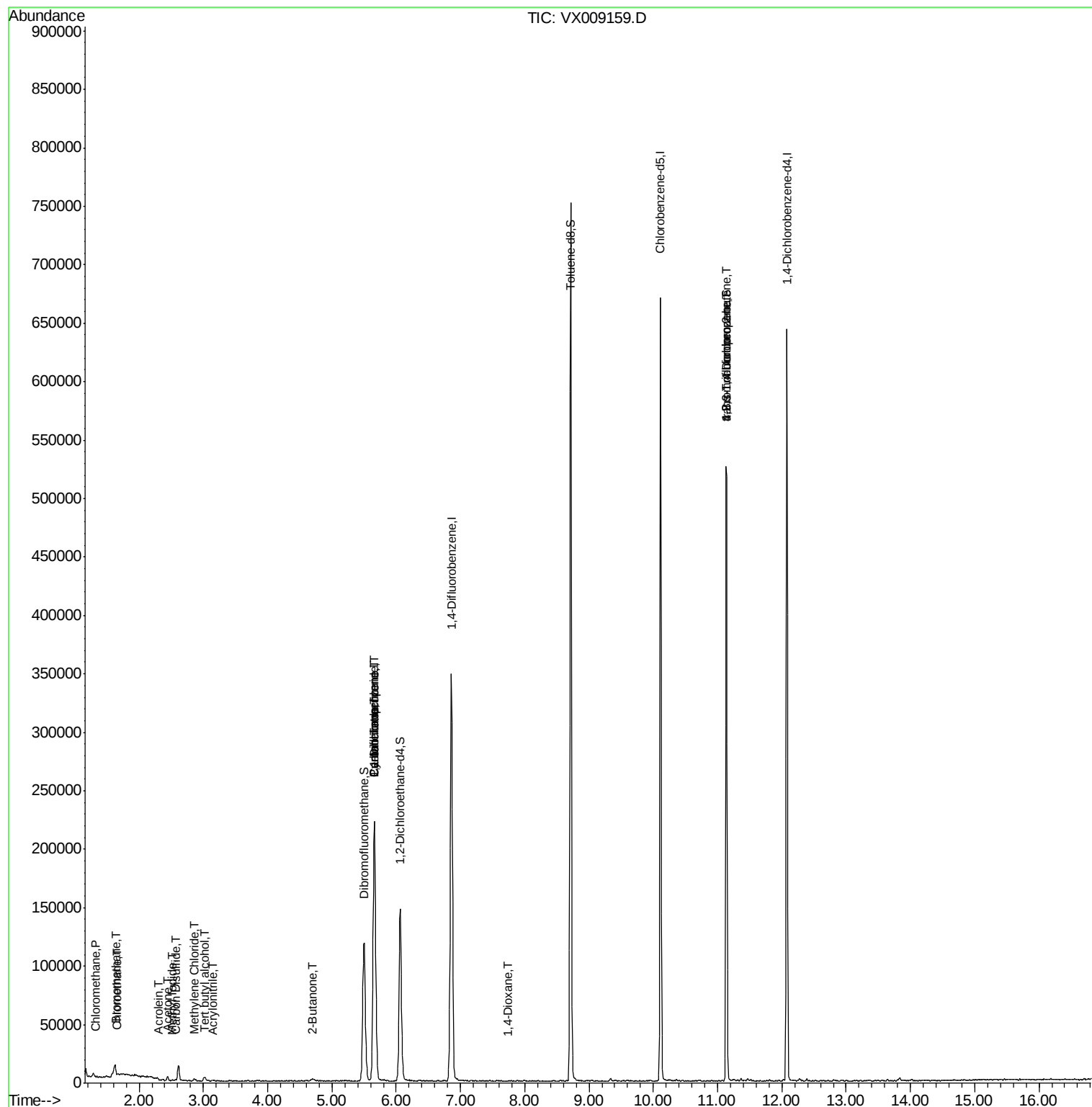
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	642	0.211	ug/l	97
5) Bromomethane	1.64	94	584	4.139	ug/l #	72
6) Chloroethane	1.66	64	6034	3.467	ug/l #	53
10) Methyl Iodide	2.51	142	312	4.532	ug/l #	88
11) Tert butyl alcohol	3.02	59	2576	3.830	ug/l #	75
13) Acrolein	2.29	56	241	0.415	ug/l #	27
15) Acrylonitrile	3.15	53	523	0.306	ug/l #	83
16) Acetone	2.44	43	3982	2.534	ug/l	99
17) Carbon Disulfide	2.57	76	1536	1.474	ug/l	99
20) Methylene Chloride	2.85	84	828	0.308	ug/l	86
25) 2-Butanone	4.70	43	1014	0.404	ug/l	95
28) Bromochloromethane	5.02	49	133	Below Cal	#	21
31) Cyclohexane	5.66	56	5033	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16666	4.710	ug/l #	51
38) Carbon Tetrachloride	5.66	117	20643	6.881	ug/l #	17
49) 1,4-Dioxane	7.74	88	25	0.368	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71979	23.384	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71979	60.034	ug/l #	11

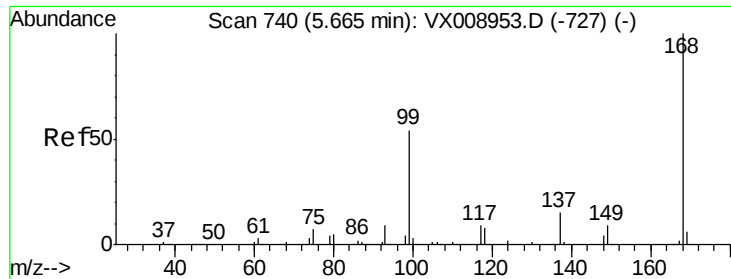
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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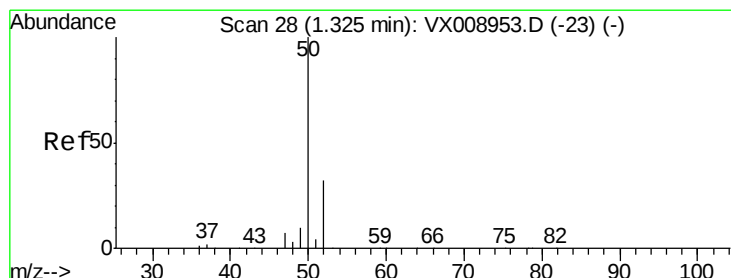
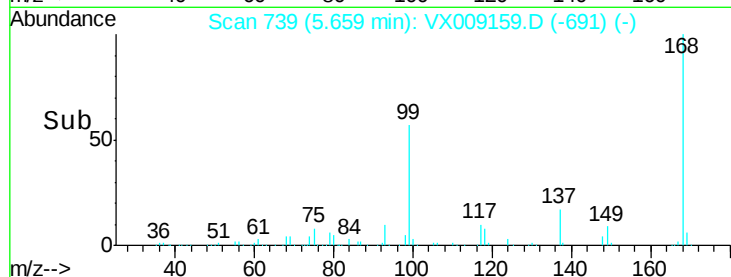
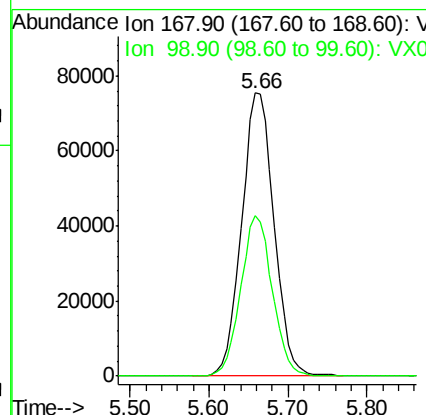
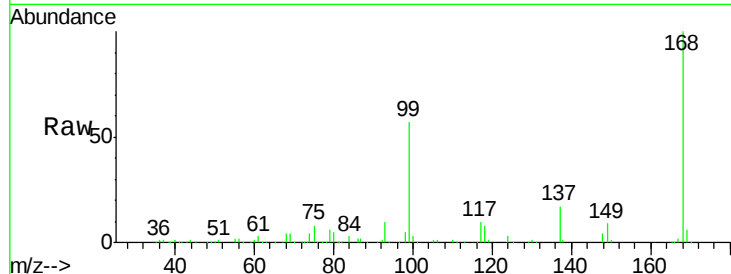




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009159.D
Acq: 25 Apr 2019 13:58

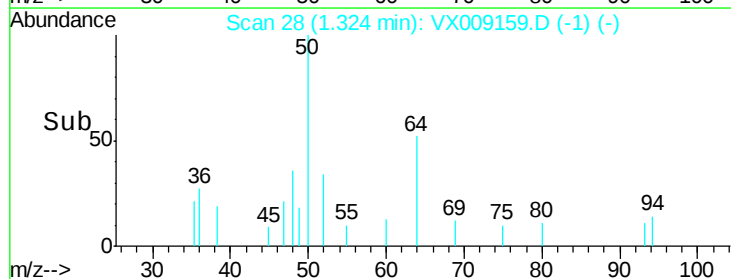
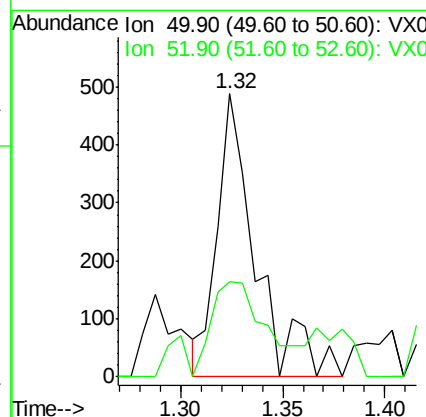
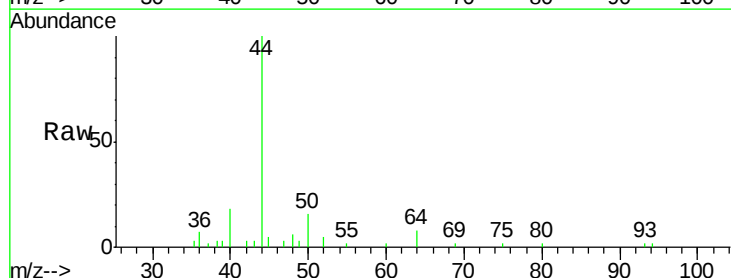
Instrument :
MSVOA_X
ClientSampleId :
S37-0018

Tot Ion:168 Resp: 215022
Ion Ratio Lower Upper
168 100
99 56.8 43.0 64.6



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009159.D
Acq: 25 Apr 2019 13:58

Tgt Ion: 50 Resp: 642
Ion Ratio Lower Upper
50 100
52 33.6 25.5 38.3





#5

Bromomethane

Concen: 4.139 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

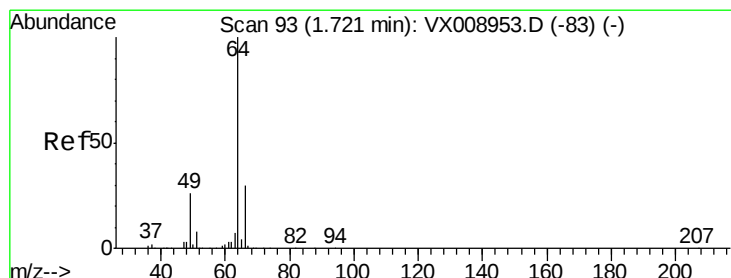
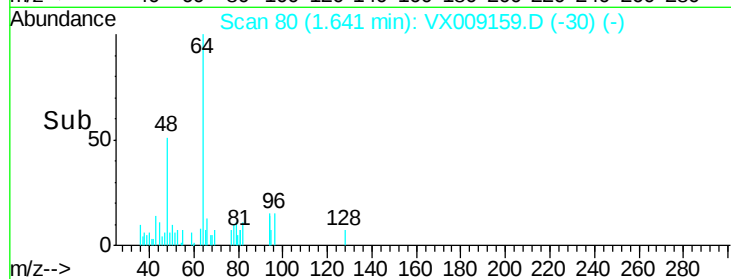
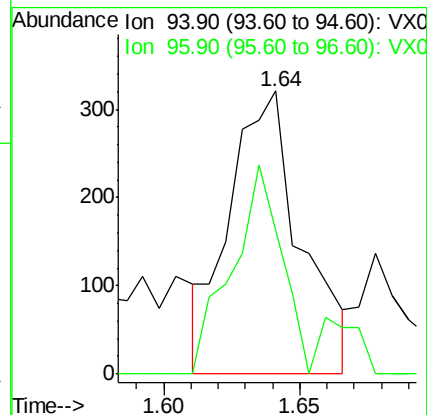
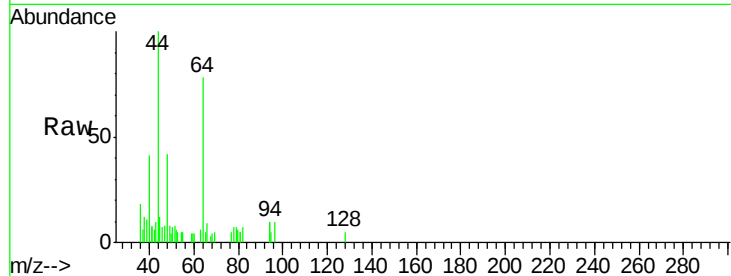
S37-0018

Tot Ion: 94 Resp: 584

Ion Ratio Lower Upper

94 100

96 65.7 73.9 110.9#



#6

Chloroethane

Concen: 3.467 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.06 min

Lab File: VX009159.D

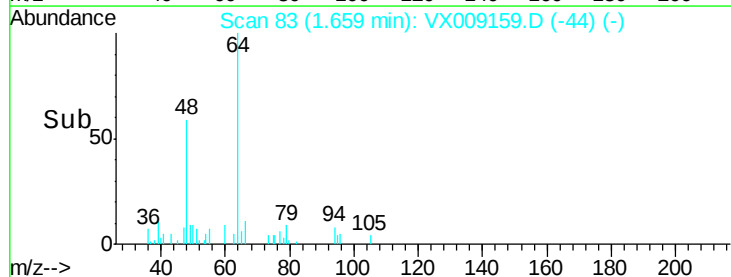
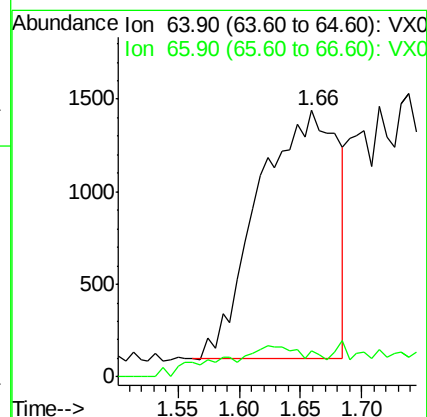
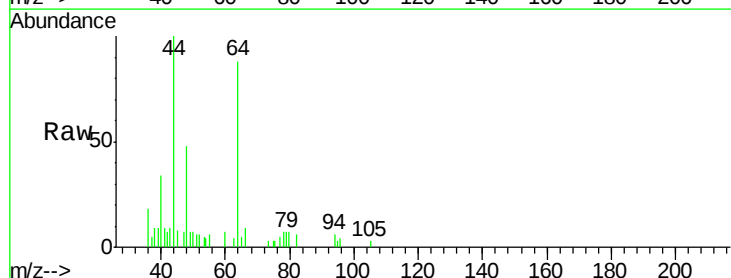
Acq: 25 Apr 2019 13:58

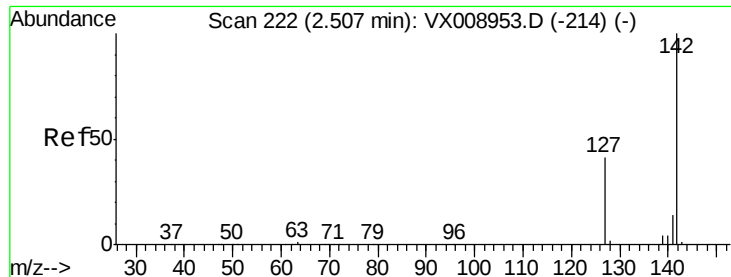
Tgt Ion: 64 Resp: 6034

Ion Ratio Lower Upper

64 100

66 4.7 24.2 36.2#

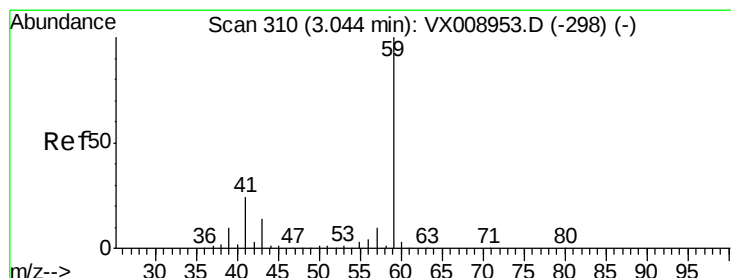
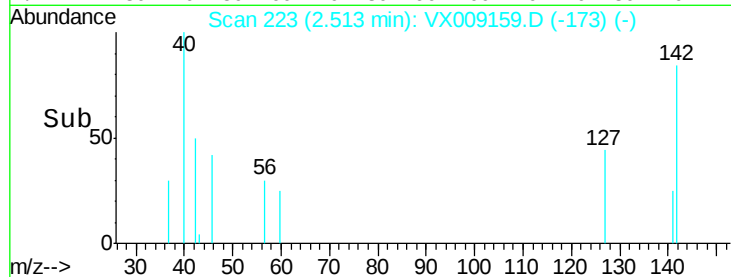
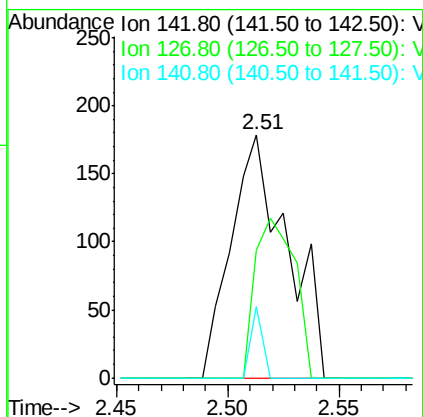
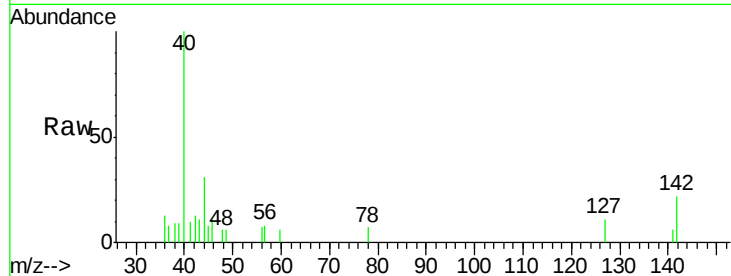




#10
Methvl Iodide
Concen: 4.532 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009159.D
Acq: 25 Apr 2019 13:58

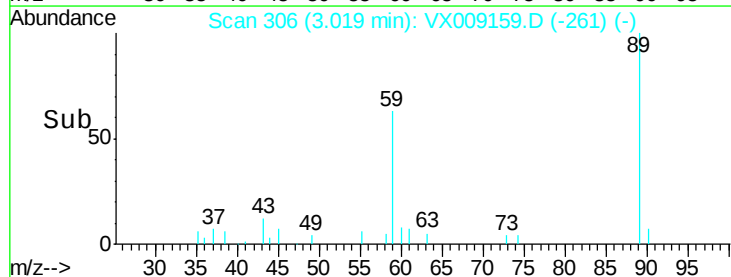
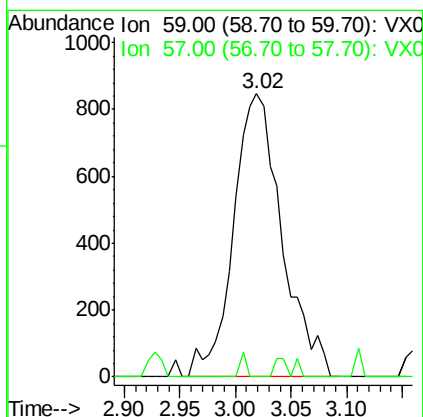
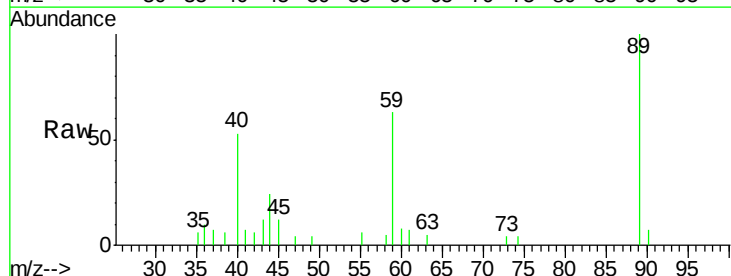
Instrument :
MSVOA_X
ClientSampleId :
S37-0018

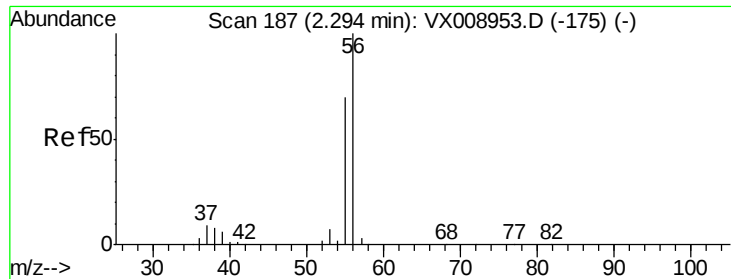
Tot Ion:142 Resp: 312
Ion Ratio Lower Upper
142 100
127 46.5 32.8 49.2
141 6.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.830 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX009159.D
Acq: 25 Apr 2019 13:58

Tgt Ion: 59 Resp: 2576
Ion Ratio Lower Upper
59 100
57 1.0 8.4 12.6#





#13

Acrolein

Concen: 0.415 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

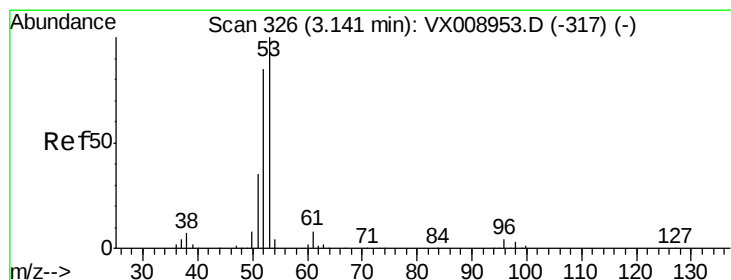
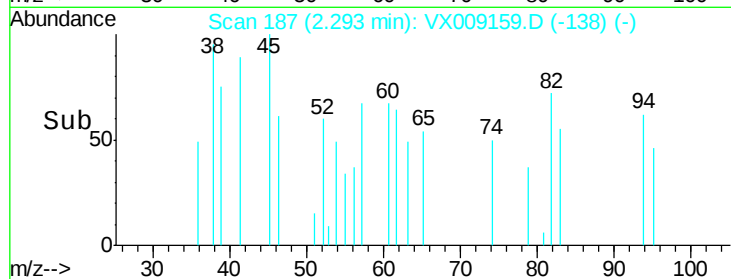
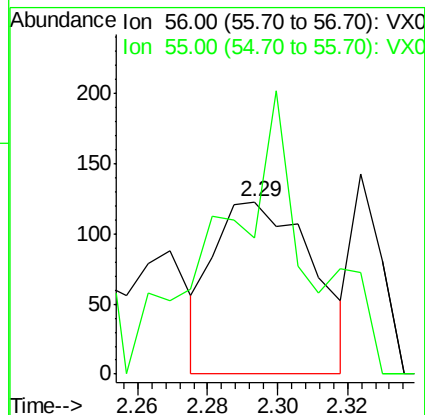
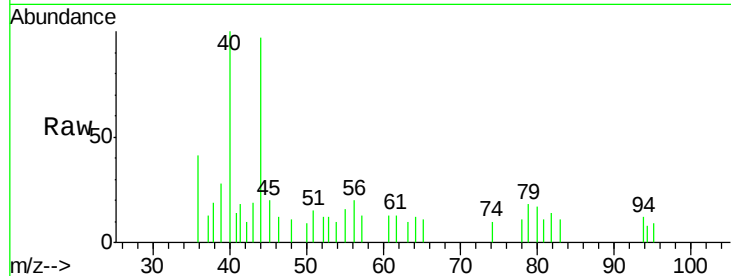
S37-0018

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 131.1 56.6 84.8#



#15

Acrylonitrile

Concen: 0.306 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

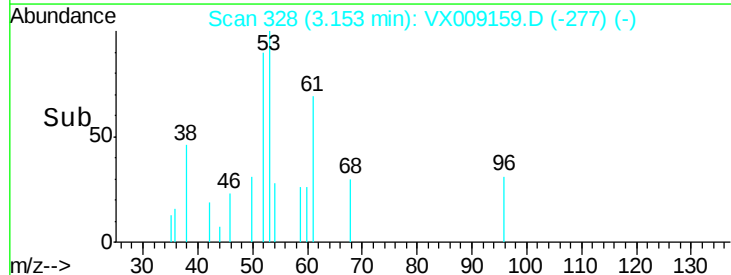
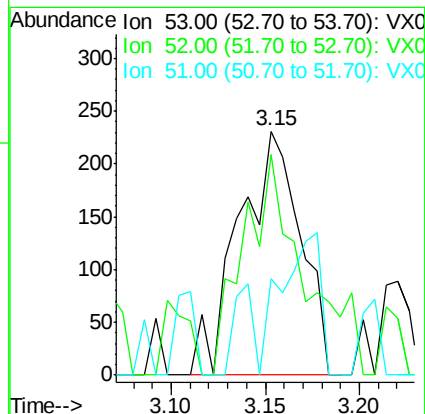
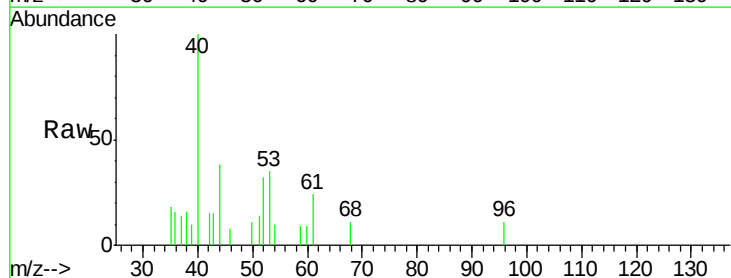
Tgt Ion: 53 Resp: 523

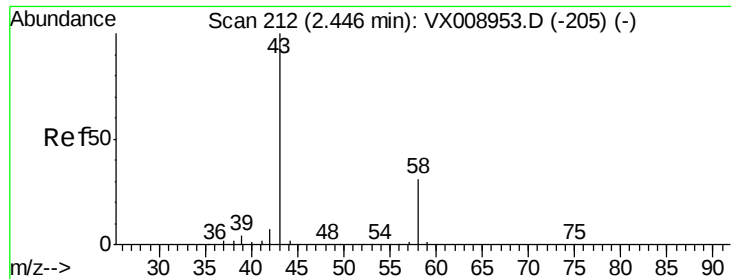
Ion Ratio Lower Upper

53 100

52 89.7 66.6 100.0

51 11.3 28.3 42.5#





#16

Acetone

Concen: 2.534 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

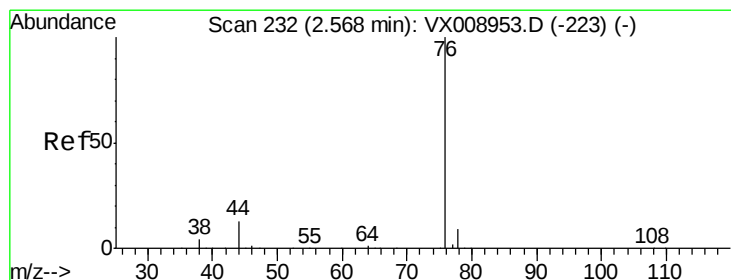
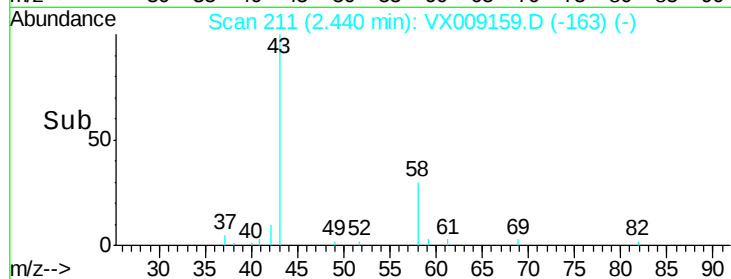
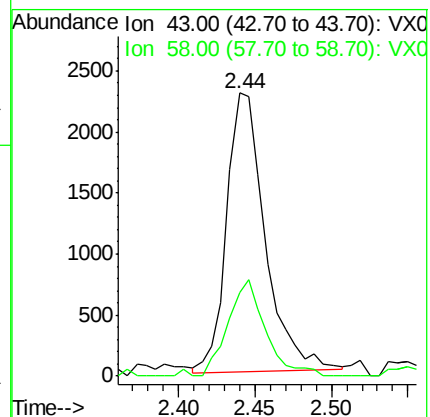
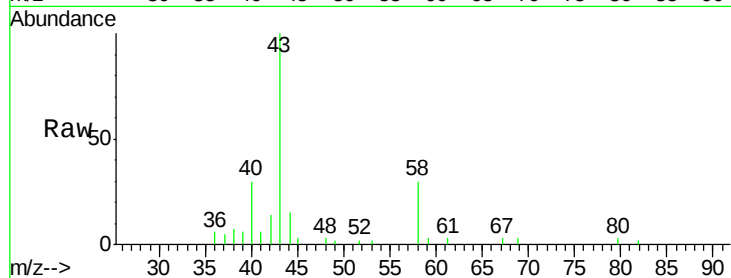
S37-0018

Tot Ion: 43 Resp: 3982

Ion Ratio Lower Upper

43 100

58 30.5 24.8 37.2



#17

Carbon Disulfide

Concen: 1.474 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009159.D

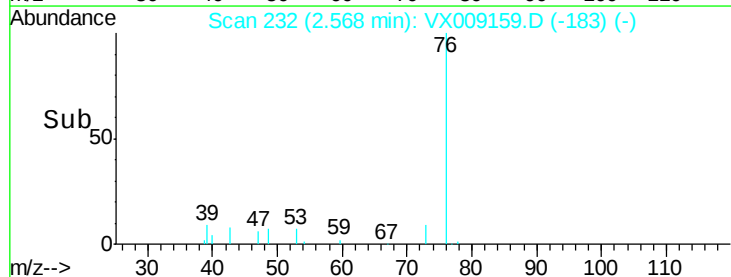
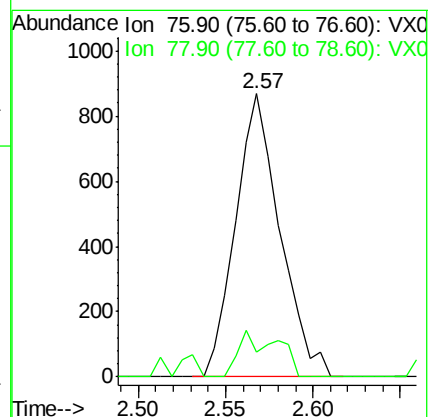
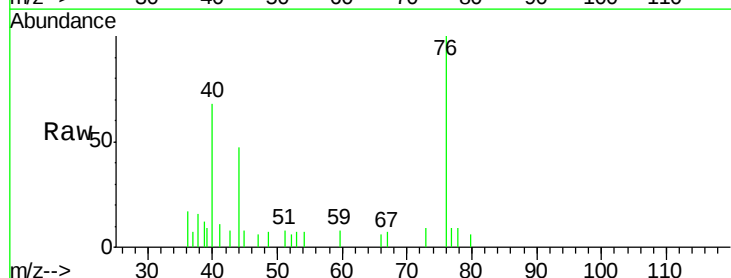
Acq: 25 Apr 2019 13:58

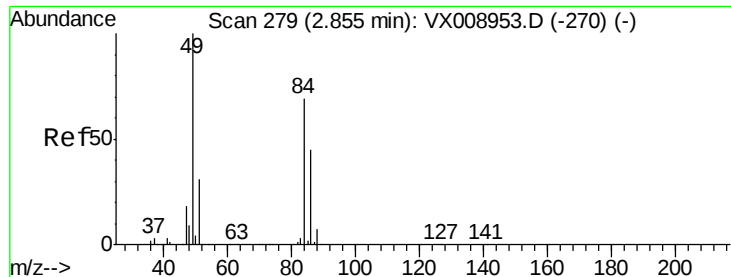
Tgt Ion: 76 Resp: 1536

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#20

Methvlene Chloride

Concen: 0.308 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

S37-0018

Tot Ion: 84 Resp: 828

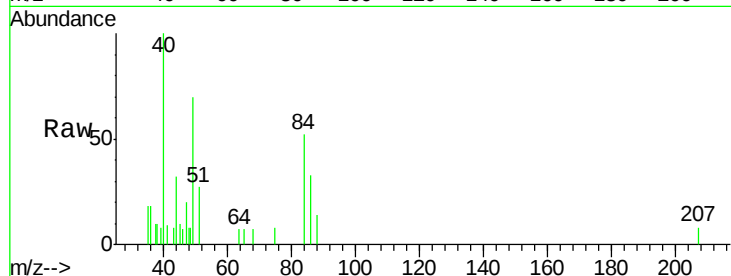
Ion Ratio Lower Upper

84 100

49 118.8 115.4 173.0

51 51.6 35.8 53.6

86 63.3 52.1 78.1

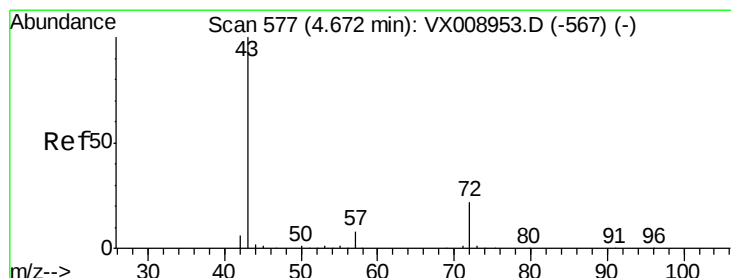
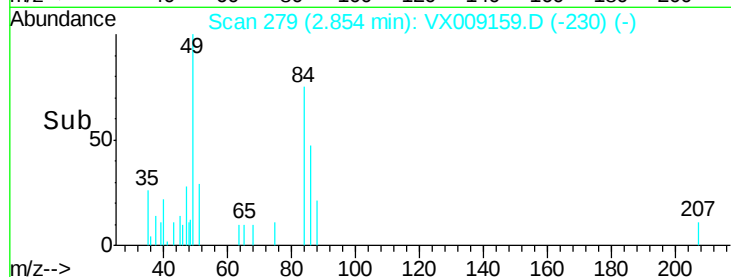
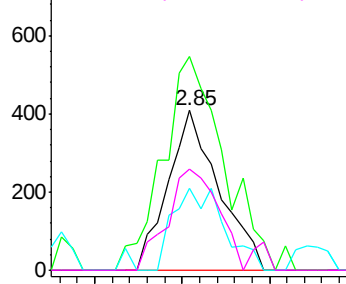


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.404 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009159.D

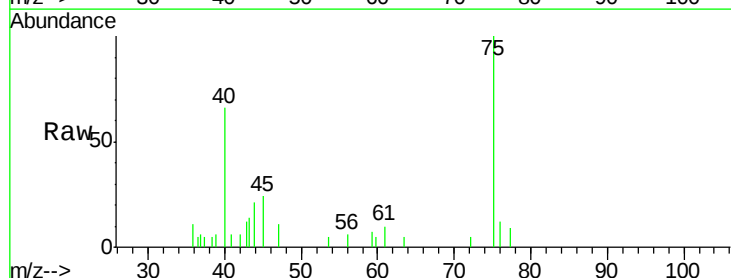
Acq: 25 Apr 2019 13:58

Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

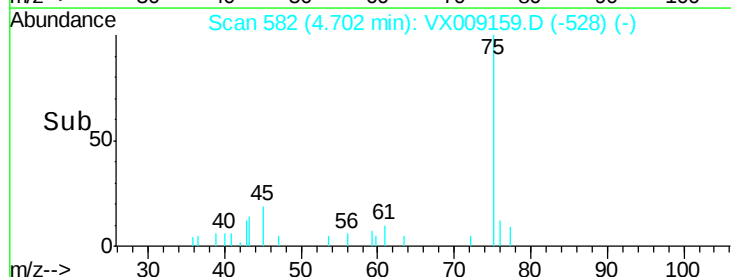
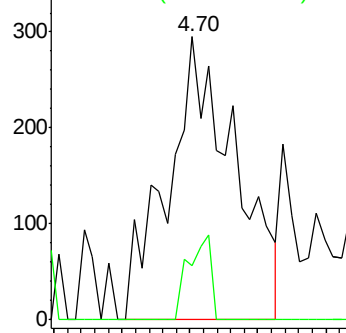
43 100

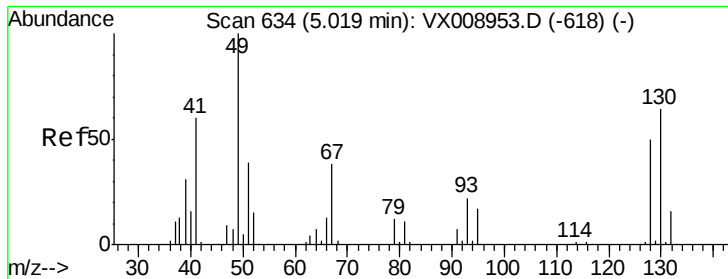
72 19.3 17.5 26.3



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: 5.02 min Scan# 635

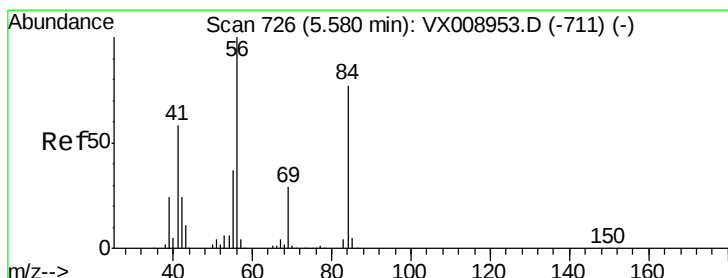
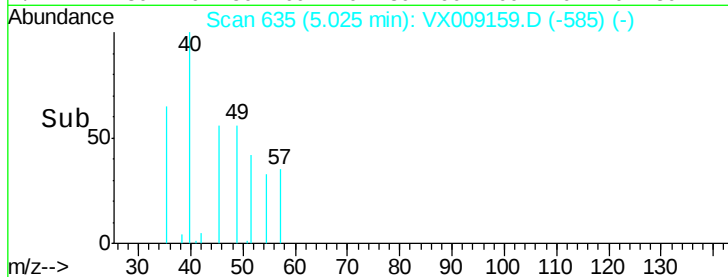
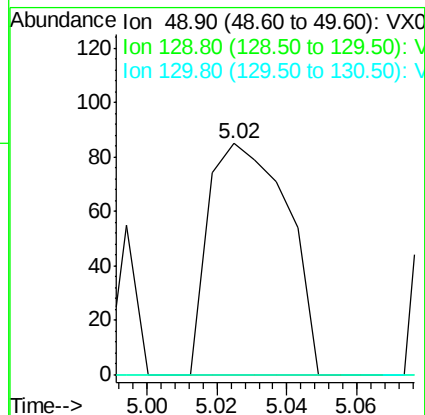
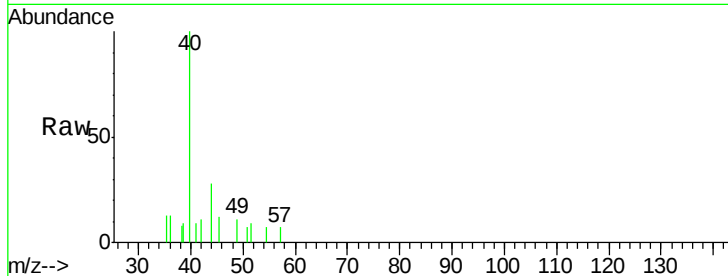
Delta R.T. 0.01 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :
MSVOA_X
ClientSampled :
S37-0018

Tot Ion: 49 Resp: 133
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



#31

Cyclohexane

Concen: 1.043 ug/l

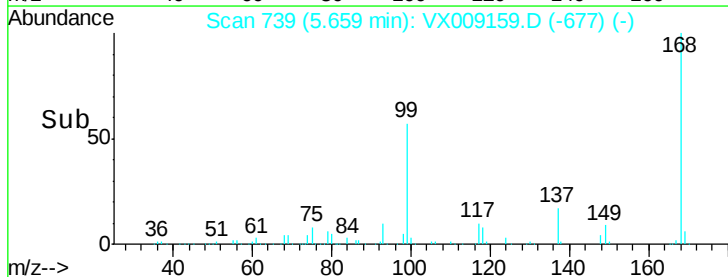
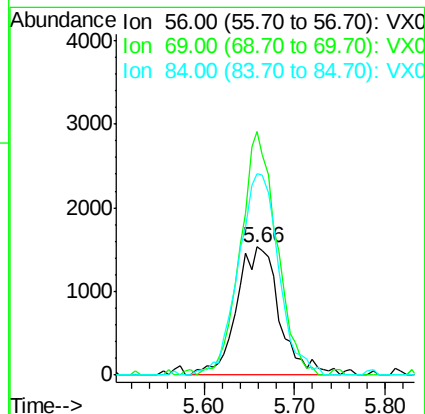
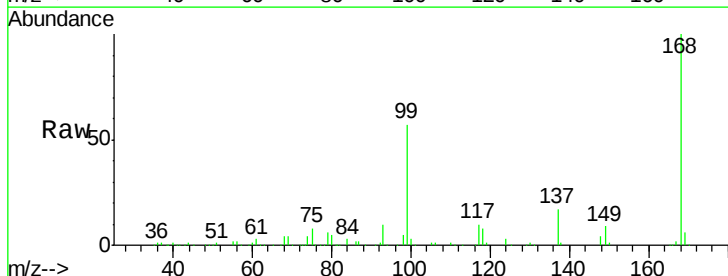
RT: 5.66 min Scan# 739

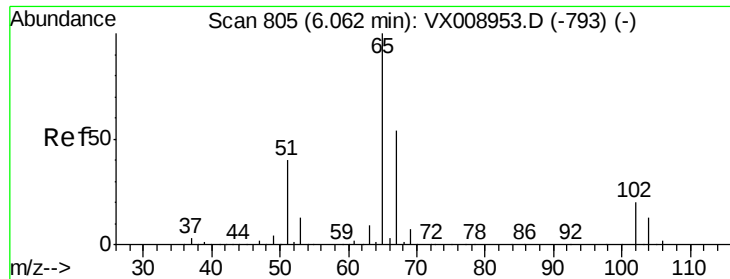
Delta R.T. 0.08 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Tgt Ion: 56 Resp: 5033
Ion Ratio Lower Upper
56 100
69 186.5 23.3 34.9#
84 157.3 61.7 92.5#

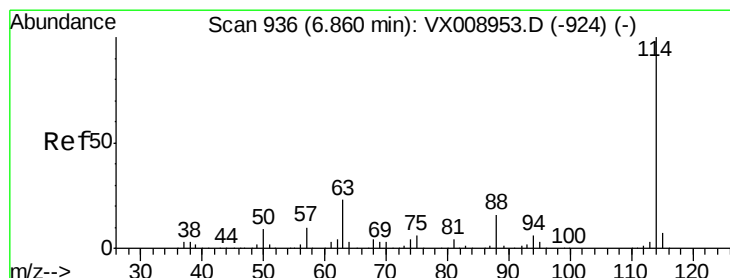
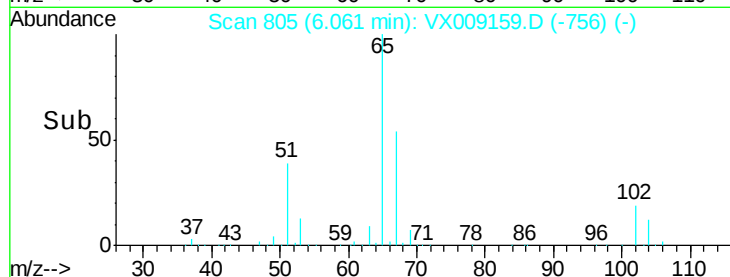
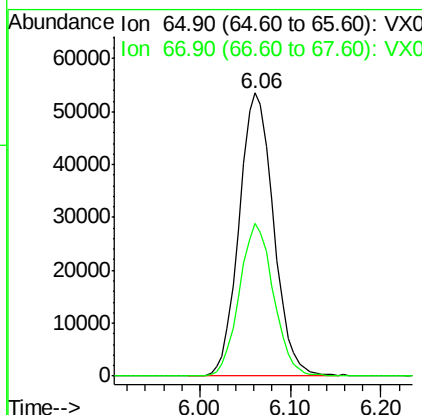
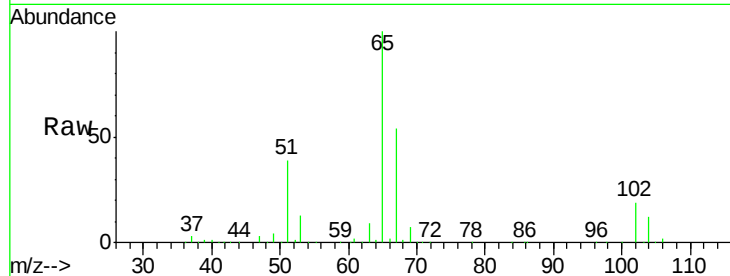




#33
 1,2-Dichloroethane-d4
 Concen: 46.554 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009159.D
 Acq: 25 Apr 2019 13:58

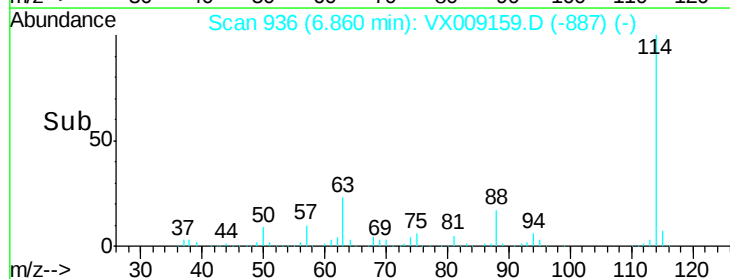
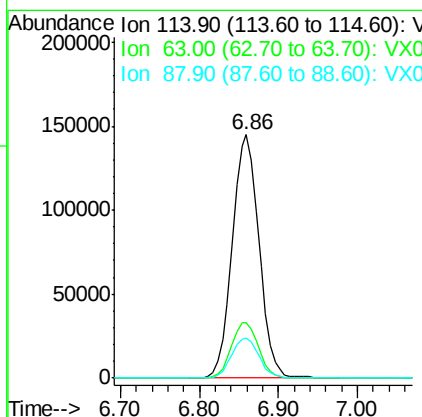
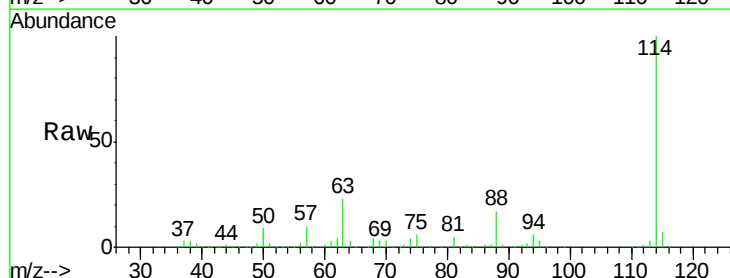
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

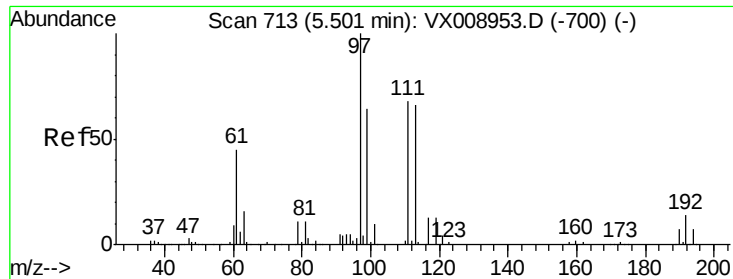
Tot Ion: 65 Resp: 141071
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009159.D
 Acq: 25 Apr 2019 13:58

Tgt Ion: 114 Resp: 342156
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.0
 88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.127 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

S37-0018

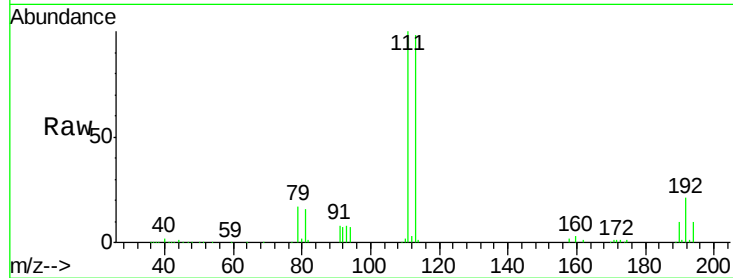
Tot Ion:113 Resp: 103486

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

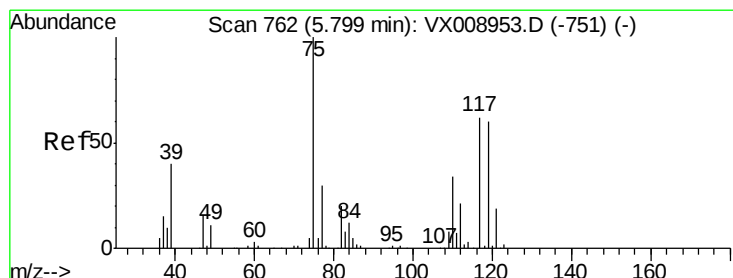
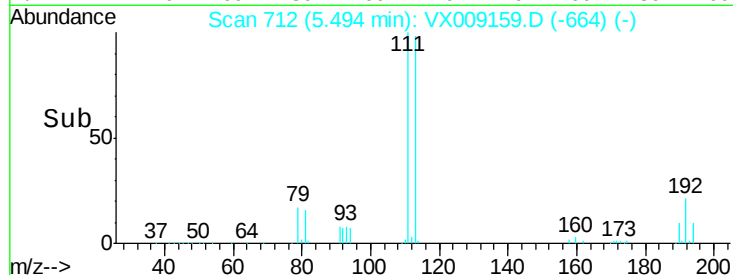
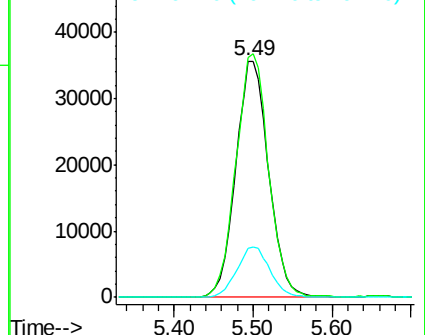
192 21.6 17.4 26.0



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: 4.710 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

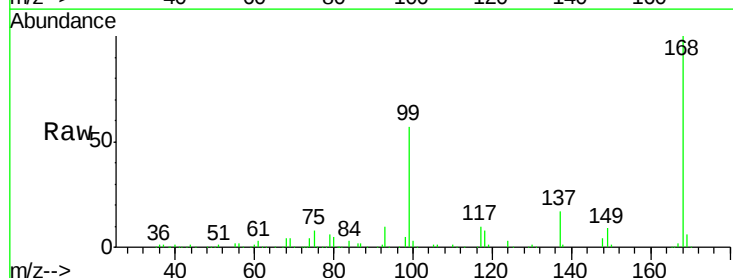
Tgt Ion: 75 Resp: 16666

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

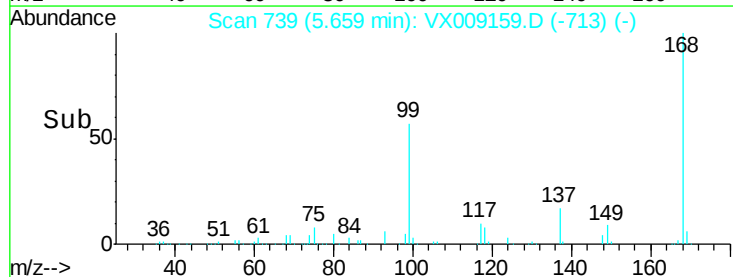
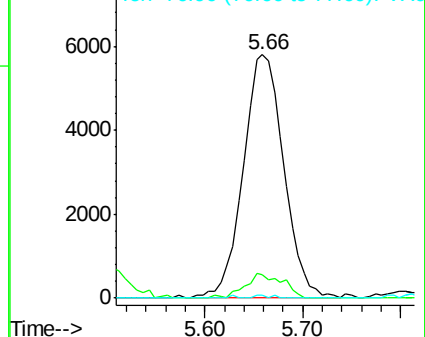
77 0.4 25.0 37.4#

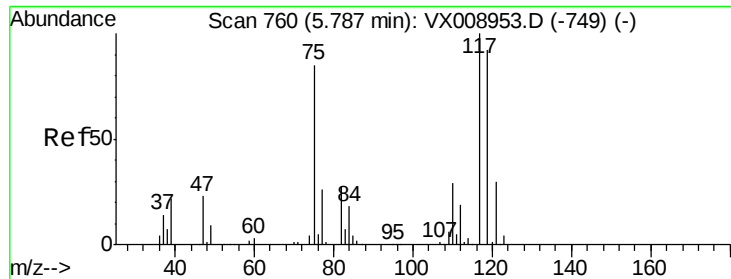


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.881 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

S37-0018

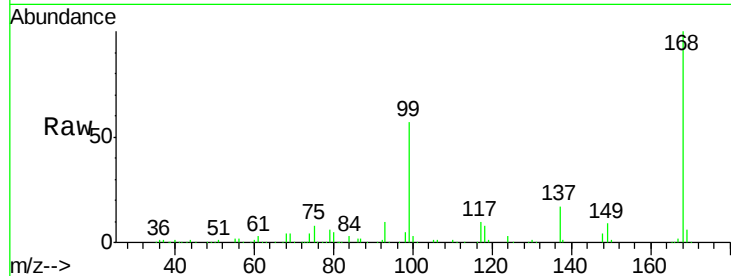
Tot Ion:117 Resp: 20643

Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.8#

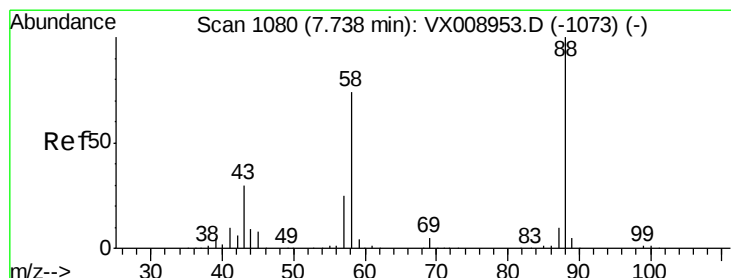
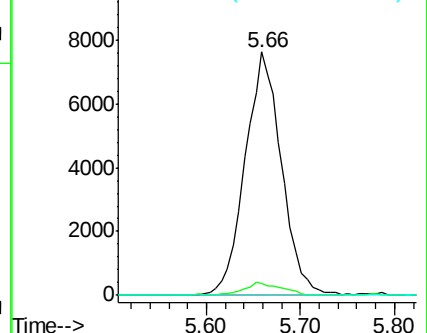
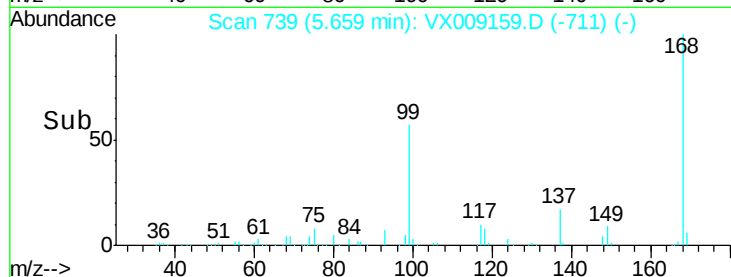
121 0.0 23.6 35.4#



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: 0.368 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

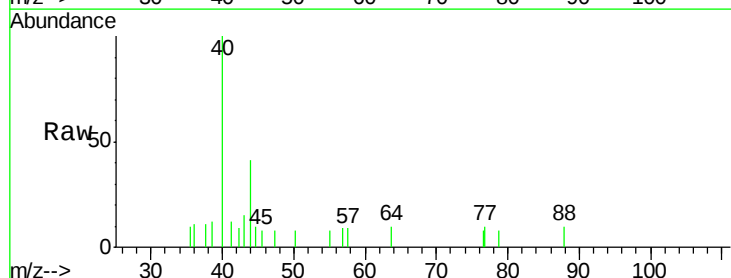
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 240.0 29.3 43.9#

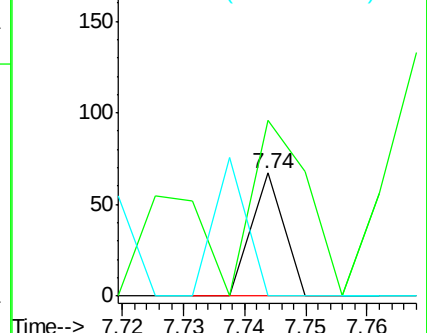
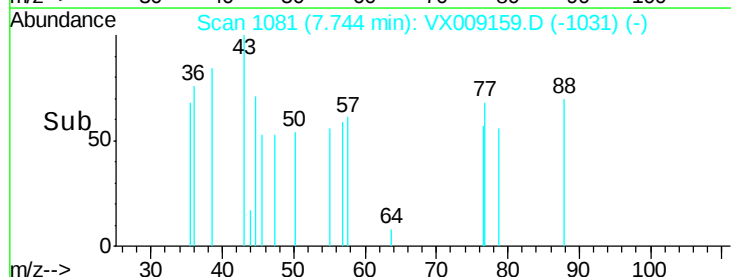
58 112.0 62.6 93.8#

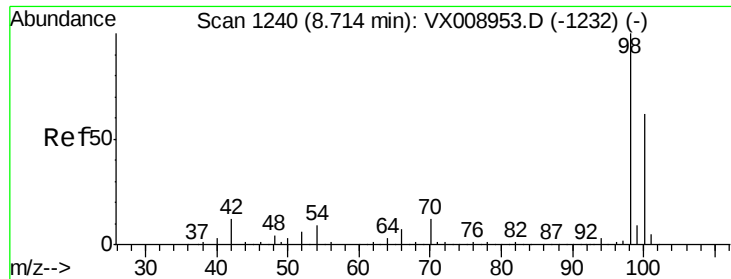


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.931 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

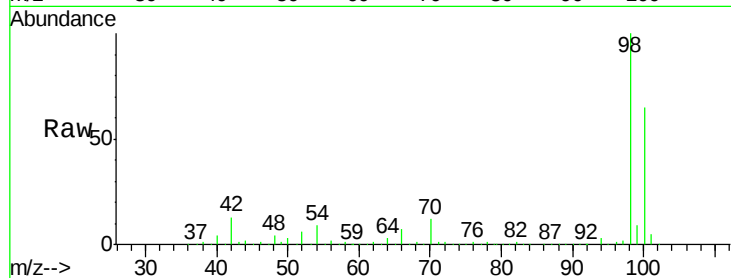
S37-0018

Tot Ion: 98 Resp: 428498

Ion Ratio Lower Upper

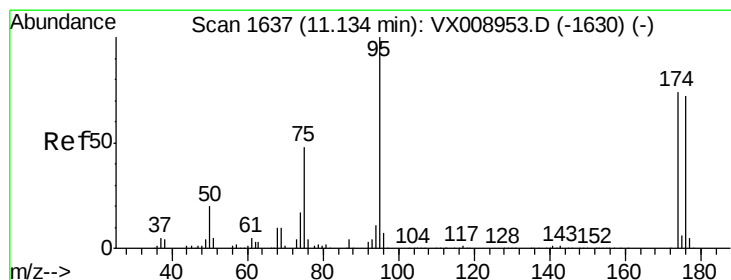
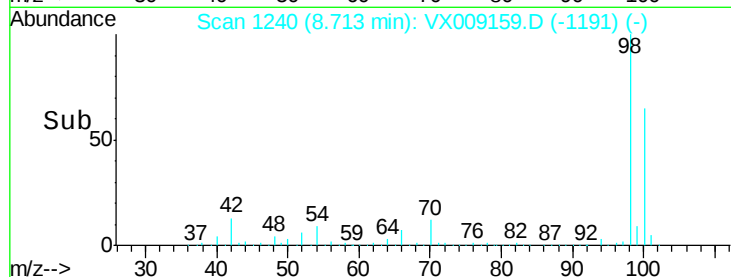
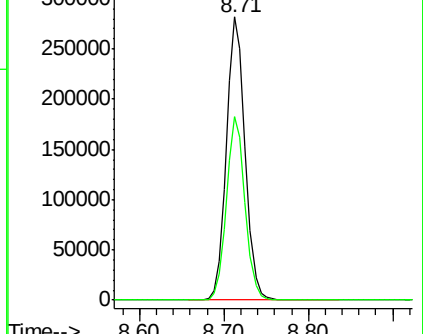
98 100

100 64.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.179 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

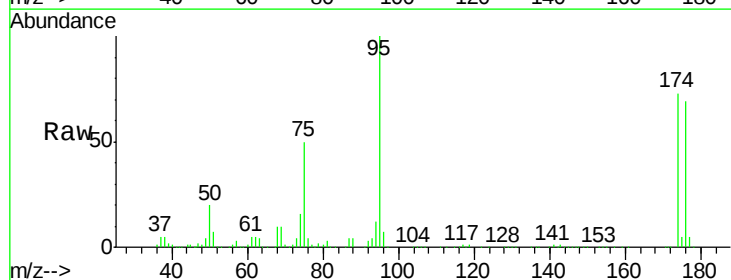
Tgt Ion: 95 Resp: 142756

Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.6

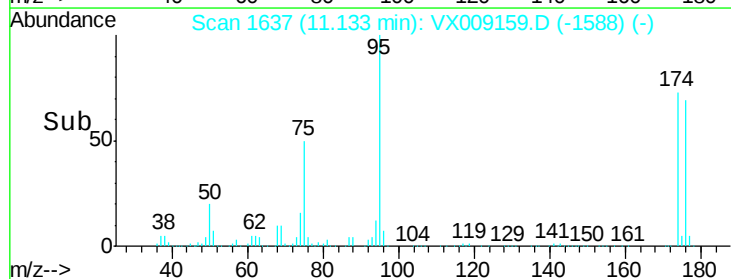
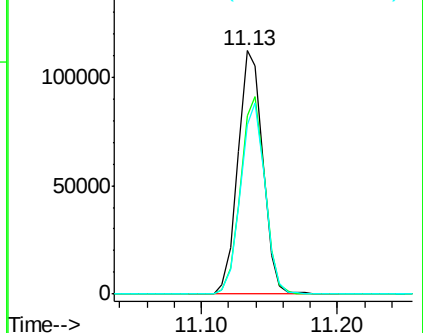
176 77.4 0.0 154.8

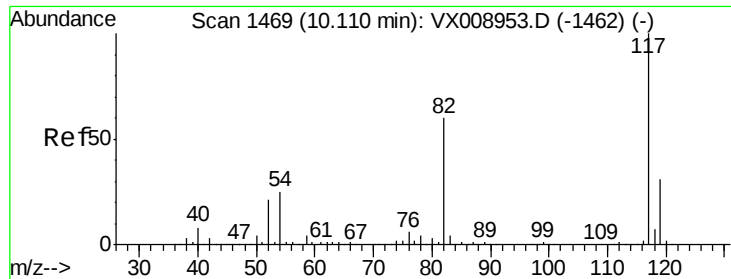


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009159.D

Acq: 25 Apr 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

S37-0018

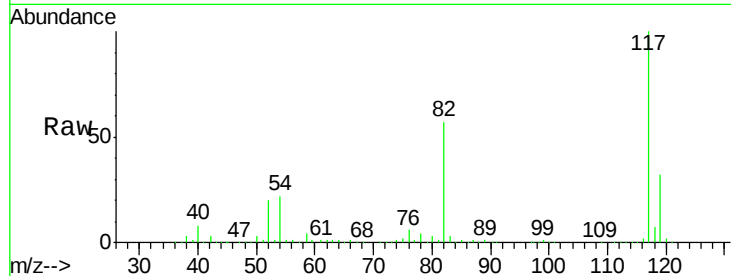
Tot Ion:117 Resp: 296793

Ion Ratio Lower Upper

117 100

82 56.8 48.2 72.4

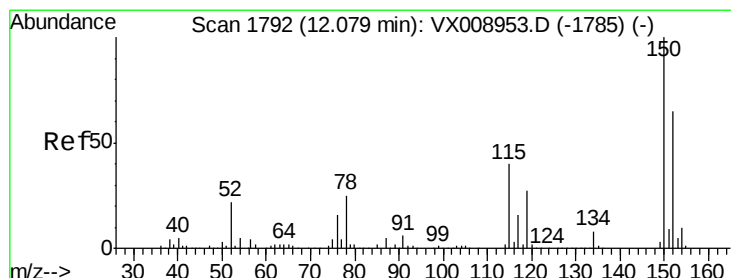
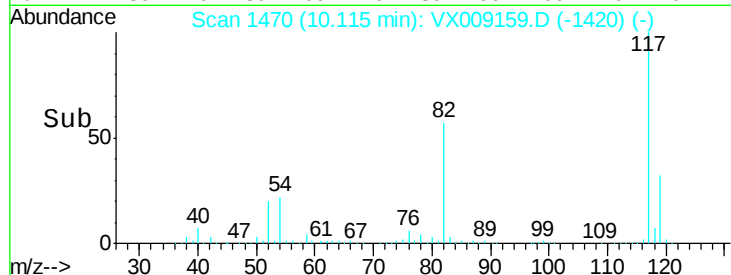
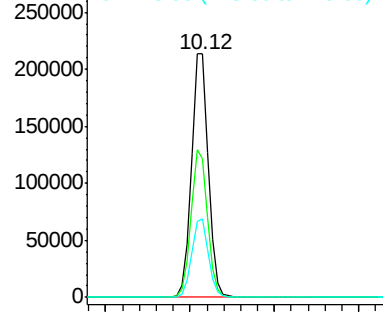
119 32.2 25.0 37.6



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: VX009159.D

Acq: 25 Apr 2019 13:58

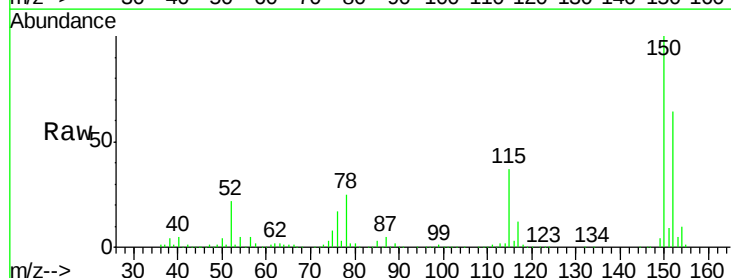
Tgt Ion:152 Resp: 126059

Ion Ratio Lower Upper

152 100

115 59.2 41.4 124.2

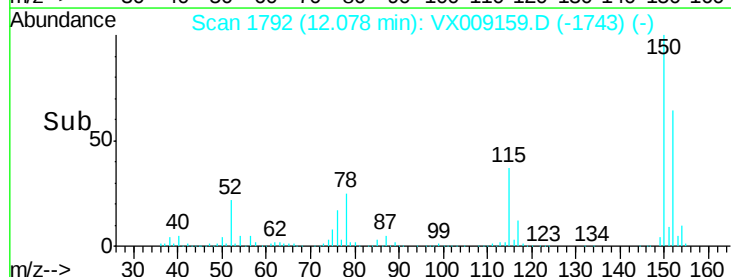
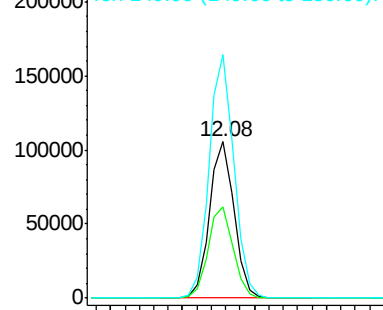
150 156.7 0.0 349.8

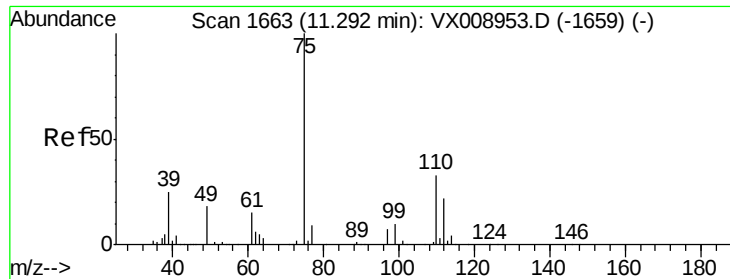


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

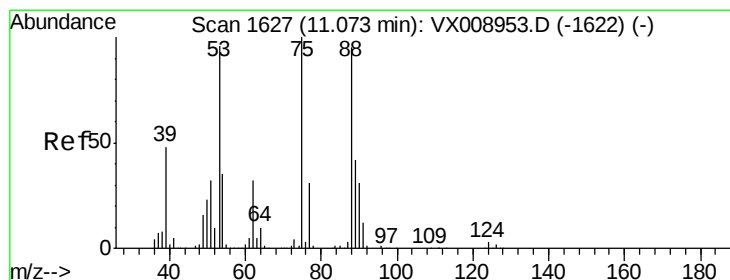
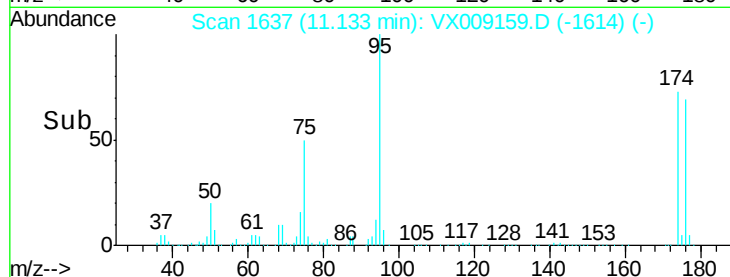
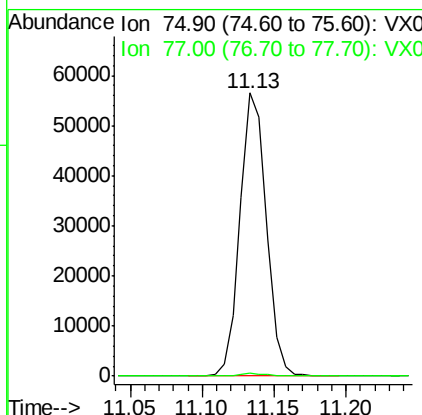
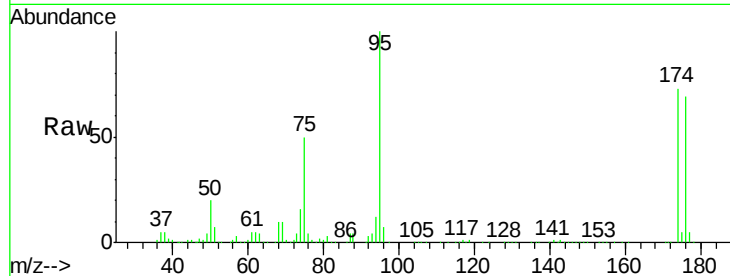




#76
 1,2,3-Trichloropropane
 Concen: 23.384 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009159.D
 Acq: 25 Apr 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

Tot Ion: 75 Resp: 71979
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.034 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009159.D
 Acq: 25 Apr 2019 13:58

Tgt Ion: 75 Resp: 71979
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 36.0 54.0#

