

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009317.D
 Acq On : 03 May 2019 18:14
 Operator : JC/SP
 Sample : K2662-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW608-190430

Quant Time: May 03 23:19:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	195539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119630	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	128443	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	5.50	113	94802	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.71	98	392500	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	131324	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

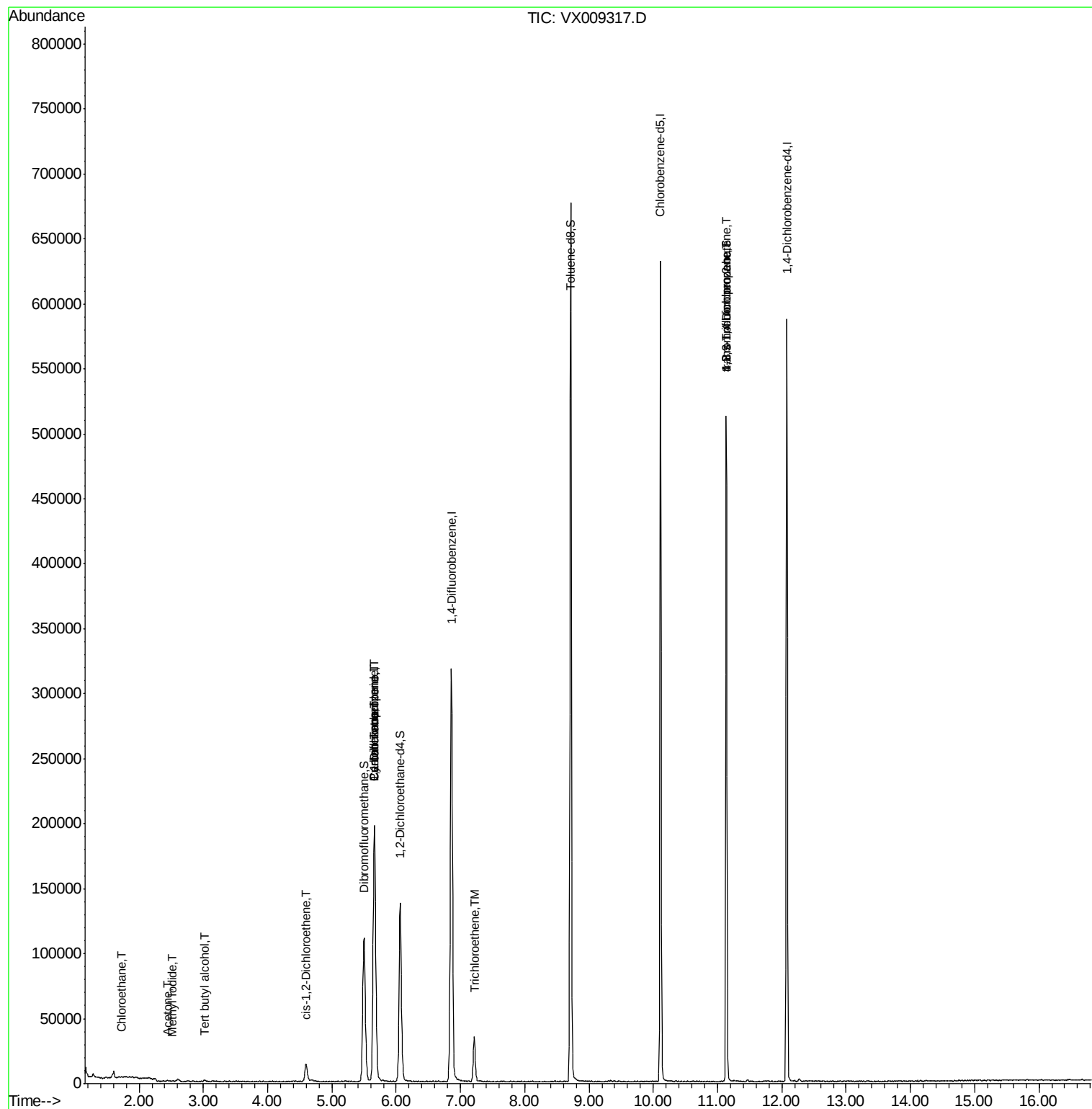
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	1678	1.089	ug/l #	43
10) Methyl Iodide	2.53	142	118	4.644	ug/l #	61
11) Tert butyl alcohol	3.02	59	659	1.067	ug/l #	81
16) Acetone	2.44	43	859	0.599	ug/l #	86
27) cis-1,2-Dichloroethene	4.59	96	8482	3.571	ug/l	91
28) Bromochloromethane	4.99	49	106	Below Cal	#	20
31) Cyclohexane	5.67	56	4305	1.091	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14747	5.035	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18434	6.927	ug/l #	16
44) Trichloroethene	7.21	130	13644	6.226	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	66574	23.991	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66574	61.384	ug/l #	10

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

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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: VX009317.D

Acq: 03 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

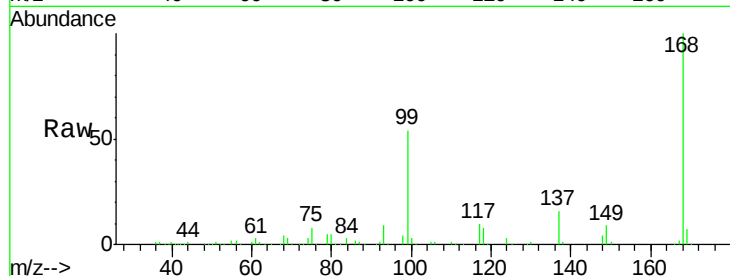
SS050MW608-190430

Tot Ion:168 Resp: 195539

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

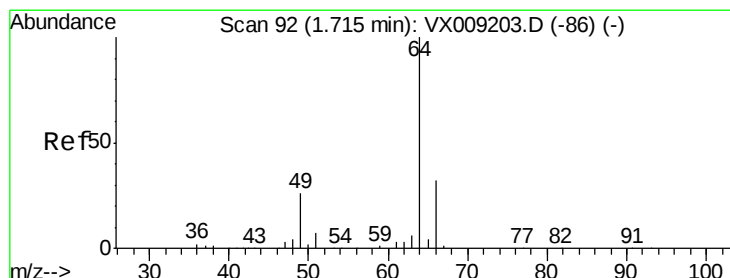
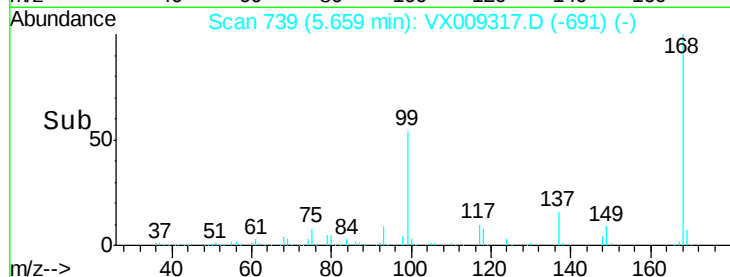
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.089 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009317.D

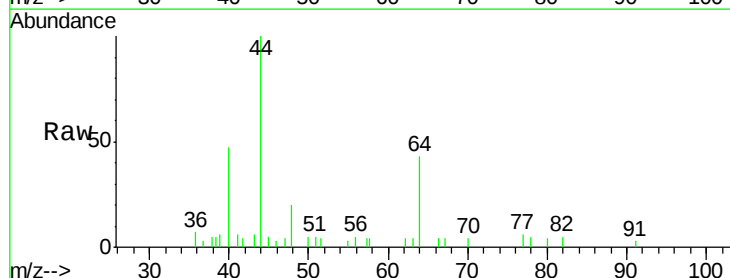
Acq: 03 May 2019 18:14

Tgt Ion: 64 Resp: 1678

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1000

800

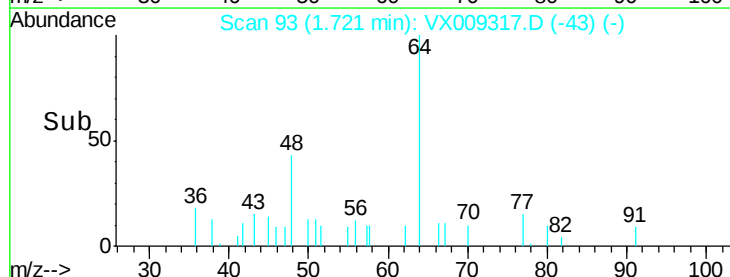
600

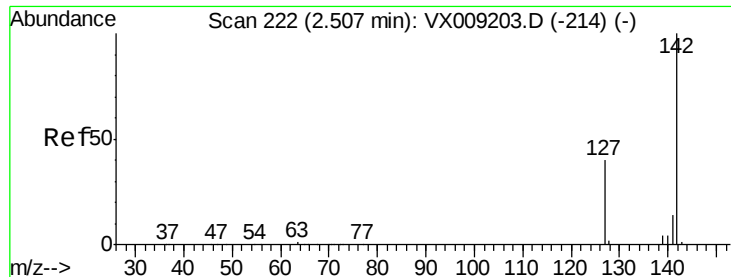
400

200

0

Time--> 1.60 1.65 1.70 1.75

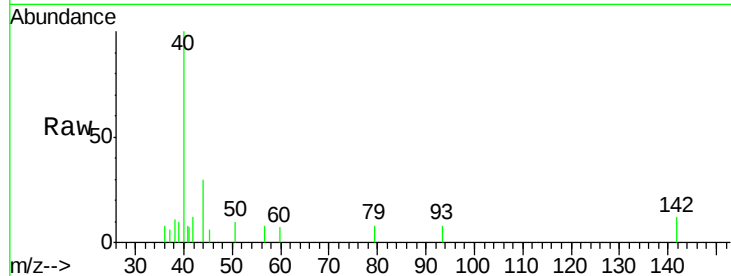




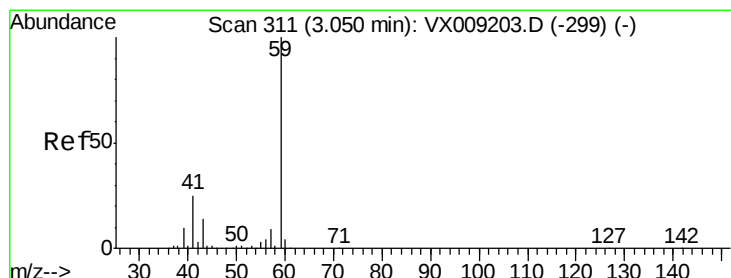
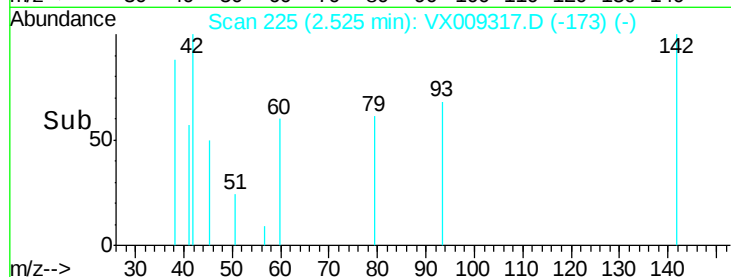
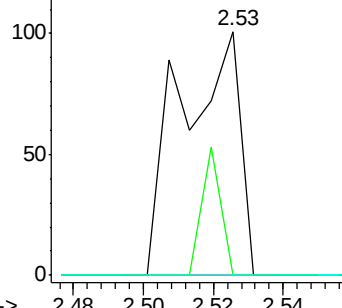
#10
Methvl Iodide
Concen: 4.644 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009317.D
Acq: 03 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
SS050MW608-190430

Tot Ion:142 Resp: 118
Ion Ratio Lower Upper
142 100
127 16.1 32.7 49.1#
141 0.0 11.5 17.3#

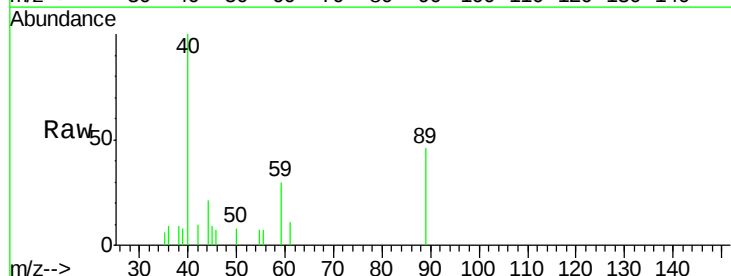


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

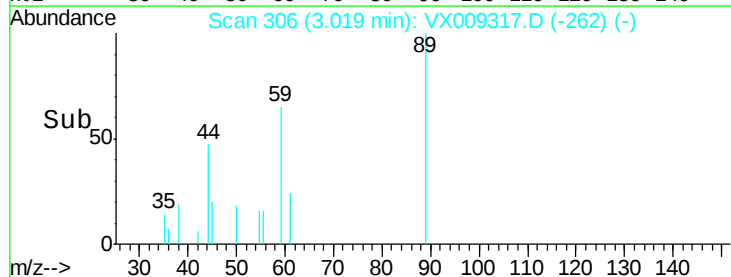
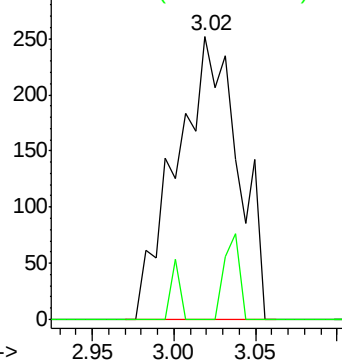


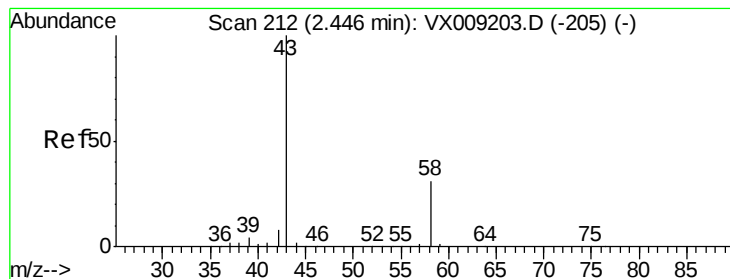
#11
Tert butyl alcohol
Concen: 1.067 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009317.D
Acq: 03 May 2019 18:14

Tgt Ion: 59 Resp: 659
Ion Ratio Lower Upper
59 100
57 3.0 8.2 12.2#



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





#16

Acetone

Concen: 0.599 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

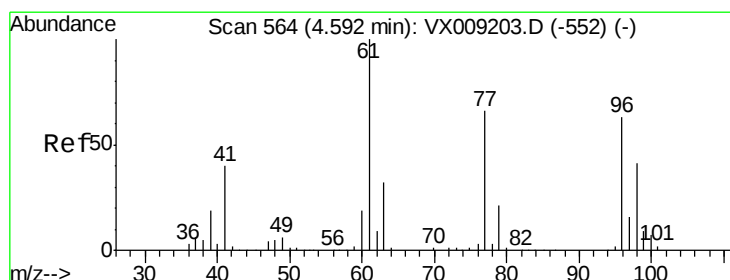
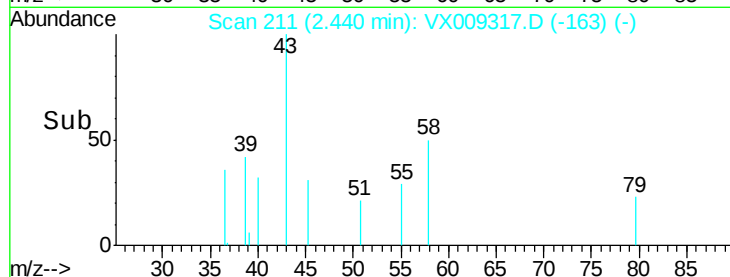
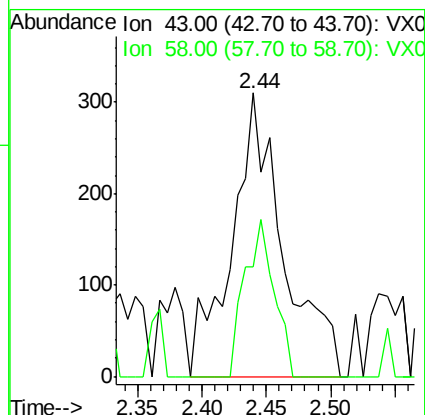
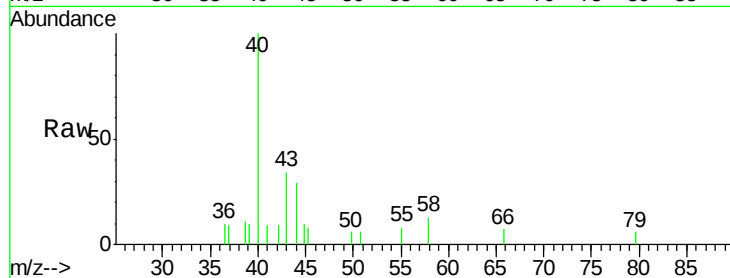
SS050MW608-190430

Tot Ion: 43 Resp: 859

Ion Ratio Lower Upper

43 100

58 38.7 24.9 37.3#



#27

cis-1,2-Dichloroethene

Concen: 3.571 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

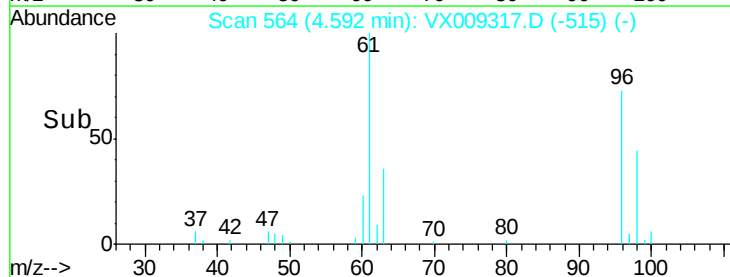
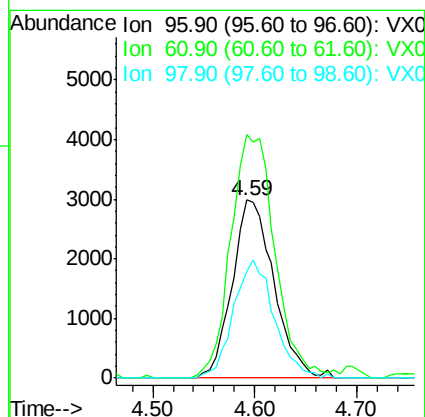
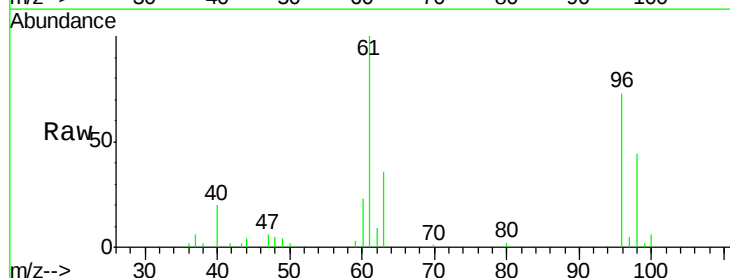
Tgt Ion: 96 Resp: 8482

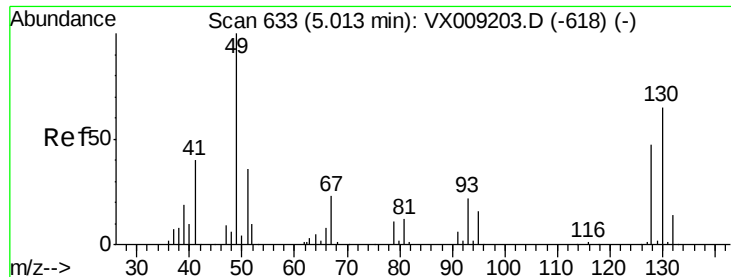
Ion Ratio Lower Upper

96 100

61 144.6 0.0 324.0

98 64.9 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

SS050MW608-190430

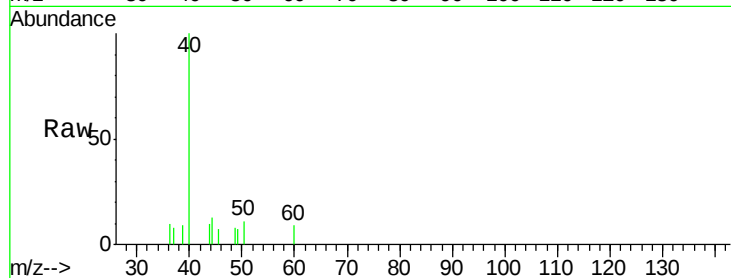
Tot Ion: 49 Resp: 106

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#

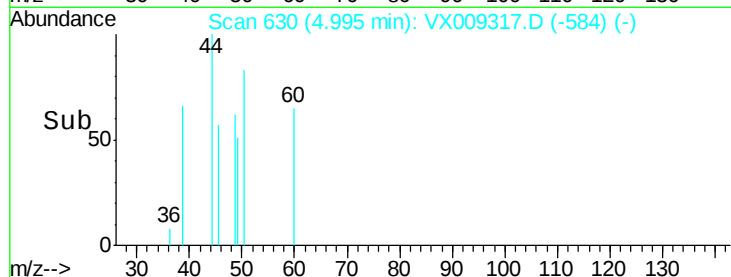


Abundance Ion 48.90 (48.60 to 49.60): VX0

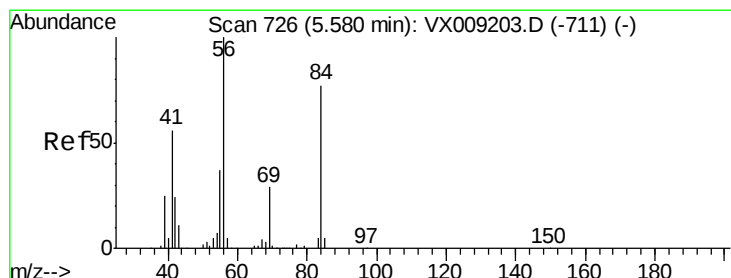
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#31

Cyclohexane

Concen: 1.091 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

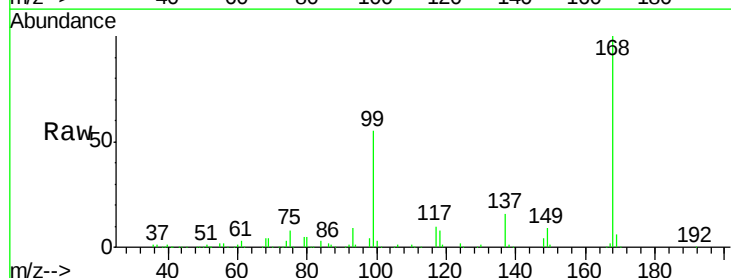
Tgt Ion: 56 Resp: 4305

Ion Ratio Lower Upper

56 100

69 176.6 23.4 35.0#

84 151.6 61.9 92.9#

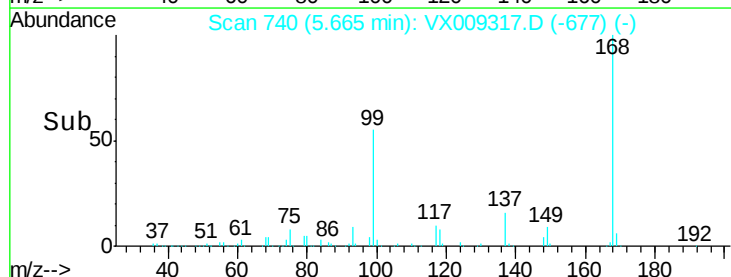


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.118 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

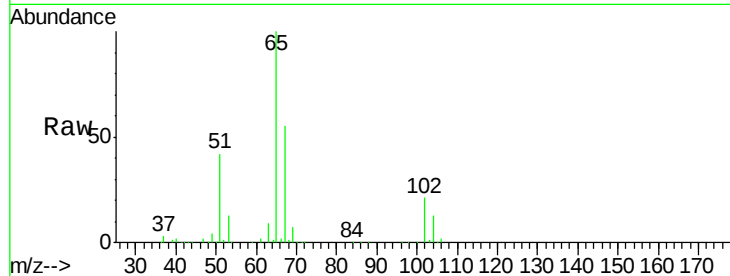
SS050MW608-190430

Tot Ion: 65 Resp: 128443

Ion Ratio Lower Upper

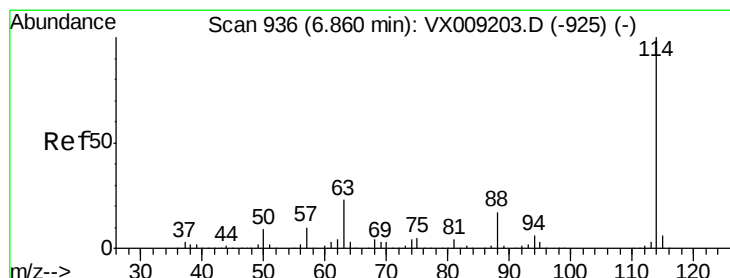
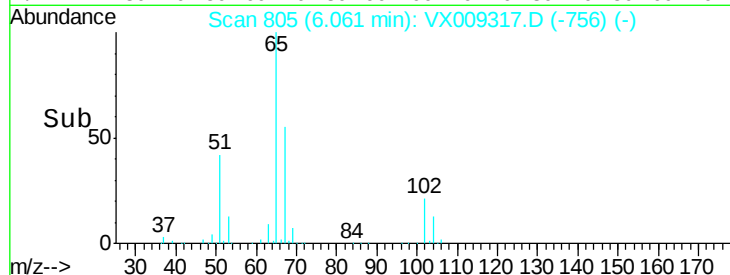
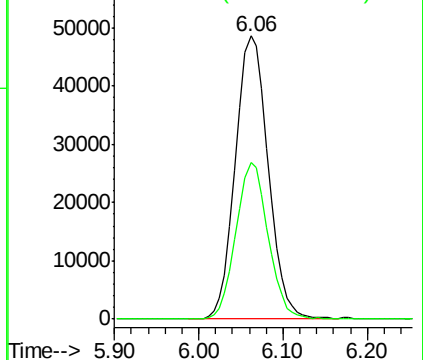
65 100

67 54.1 0.0 106.6



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: VX009317.D

Acq: 03 May 2019 18:14

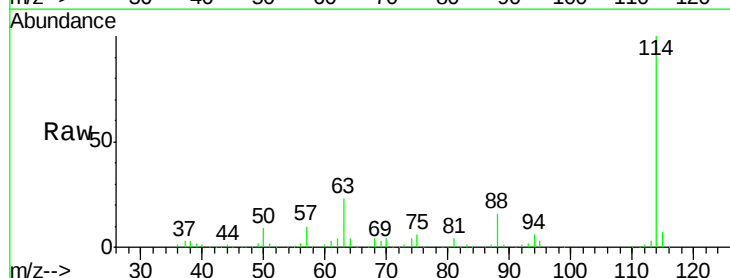
Tgt Ion: 114 Resp: 315189

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

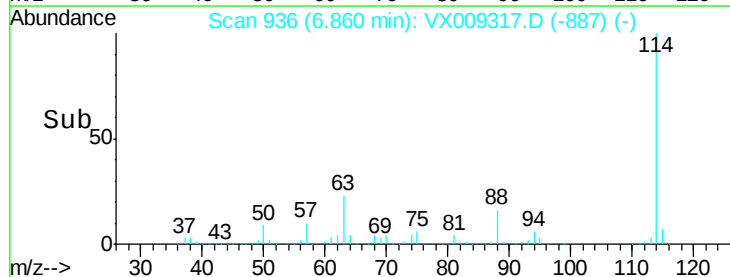
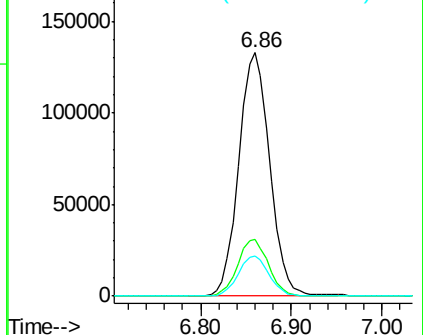
88 16.3 0.0 33.2

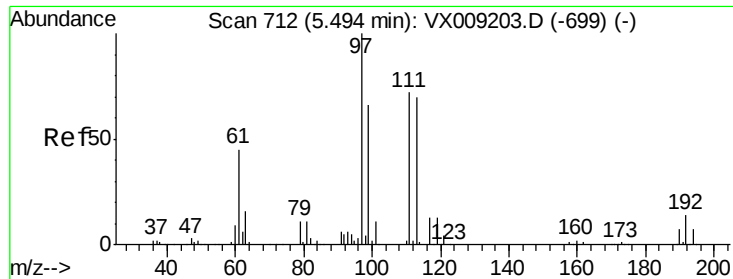


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.846 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

Instrument :

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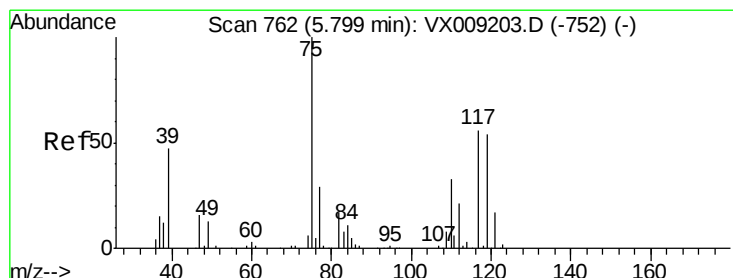
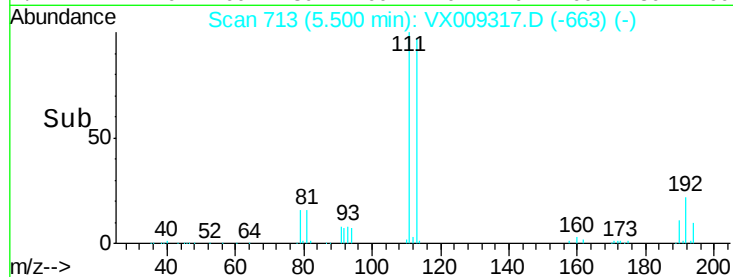
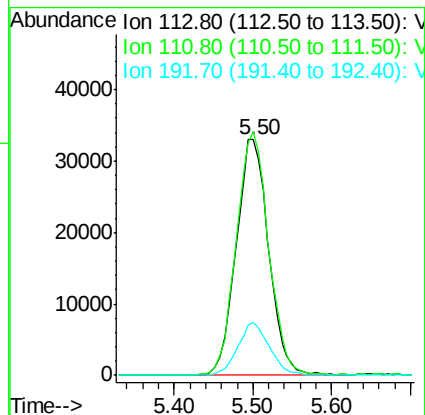
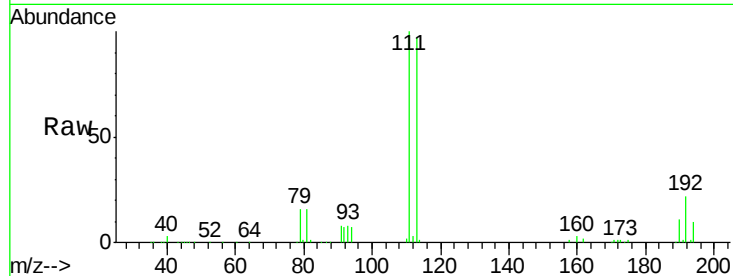
Tot Ion:113 Resp: 94802

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 21.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

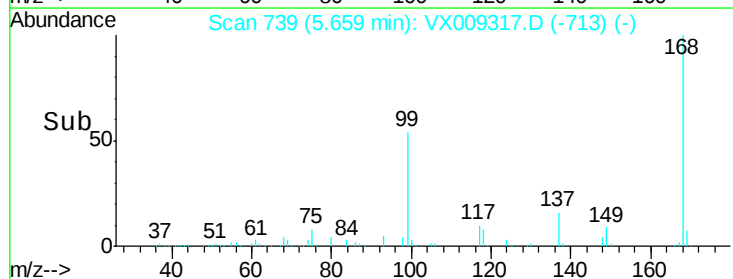
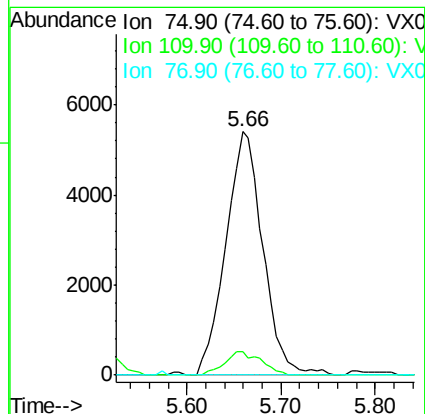
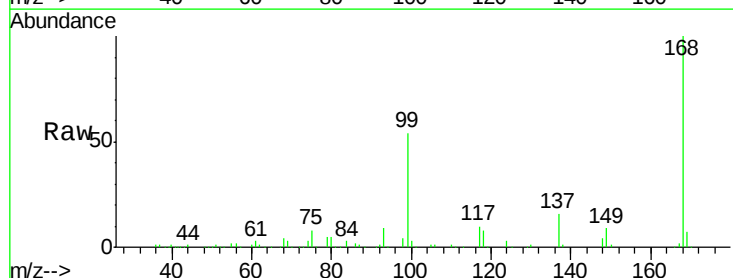
Tgt Ion: 75 Resp: 14747

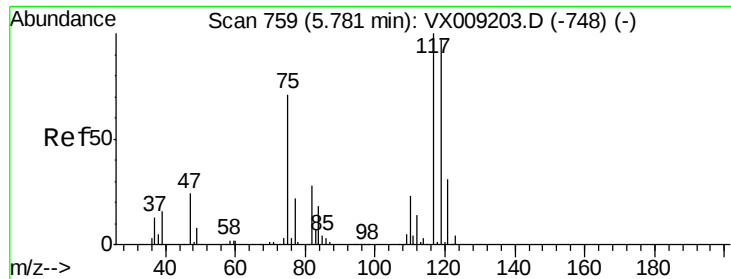
Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

77 0.0 24.8 37.2#

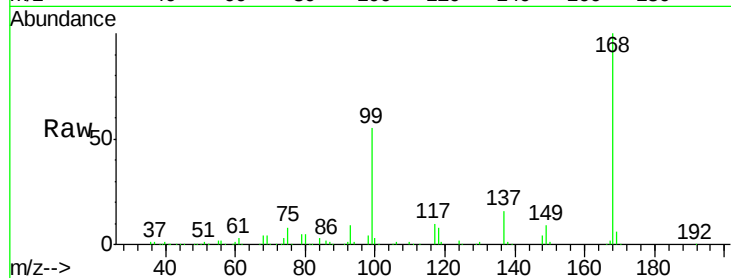




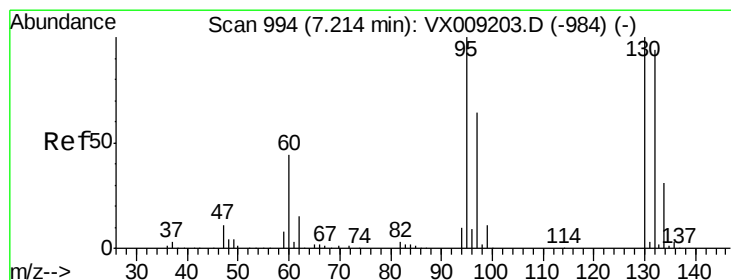
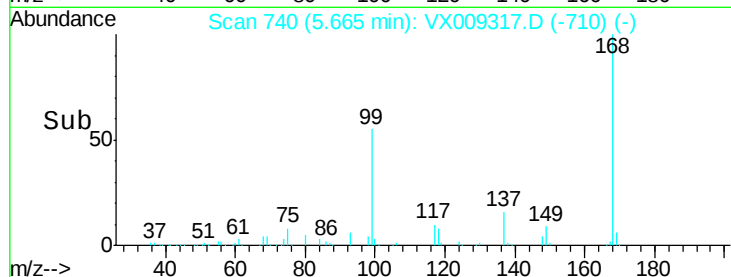
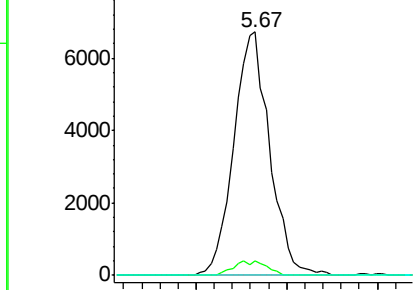
#38
Carbon Tetrachloride
Concen: 6.927 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009317.D
Acq: 03 May 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
SS050MW608-190430

Tot Ion:117 Resp: 18434
Ion Ratio Lower Upper
117 100
119 5.7 77.5 116.3#
121 0.0 24.7 37.1#

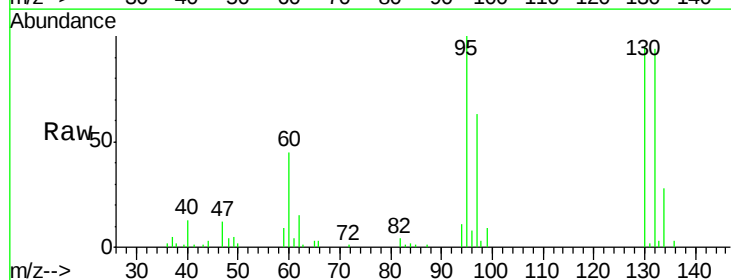


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

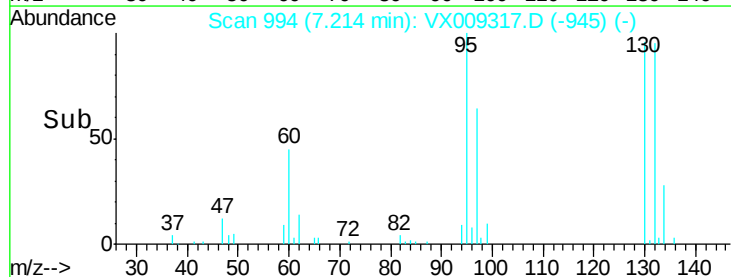
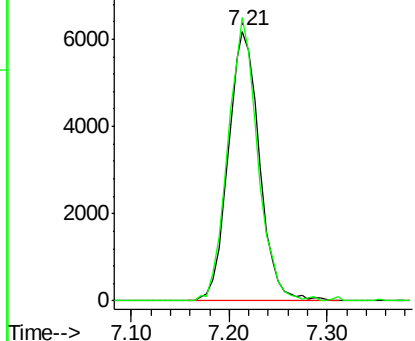


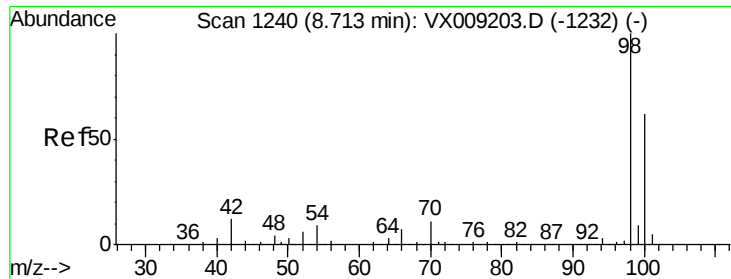
#44
Trichloroethene
Concen: 6.226 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009317.D
Acq: 03 May 2019 18:14

Tgt Ion:130 Resp: 13644
Ion Ratio Lower Upper
130 100
95 105.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.066 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

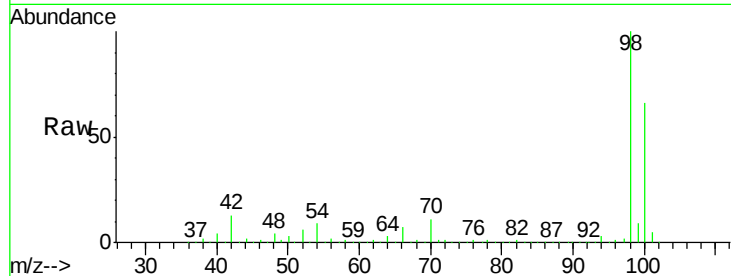
SS050MW608-190430

Tot Ion: 98 Resp: 392500

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX009317.D (-1191) (-)

Ion 100.00 (99.70 to 100.70): VX009317.D (-1191) (-)

8.71

250000

200000

150000

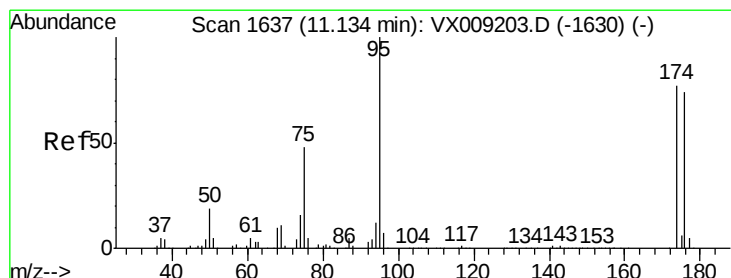
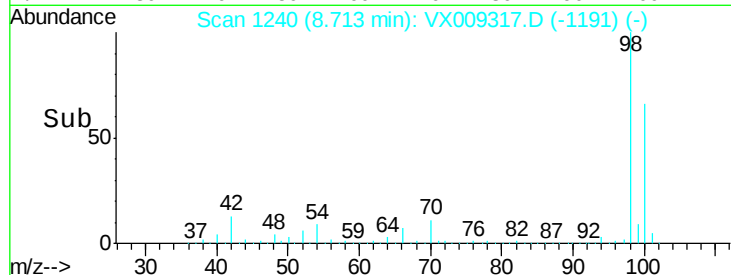
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.180 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

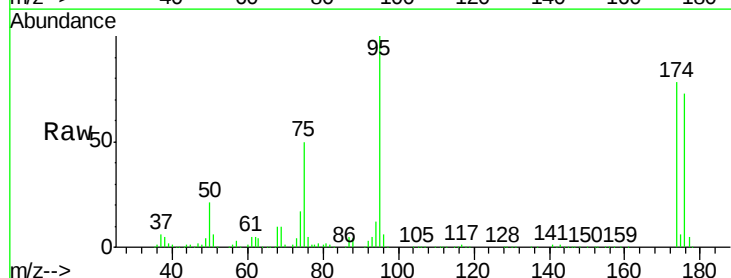
Tgt Ion: 95 Resp: 131324

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

176 78.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009317.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009317.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009317.D (-1588) (-)

11.13

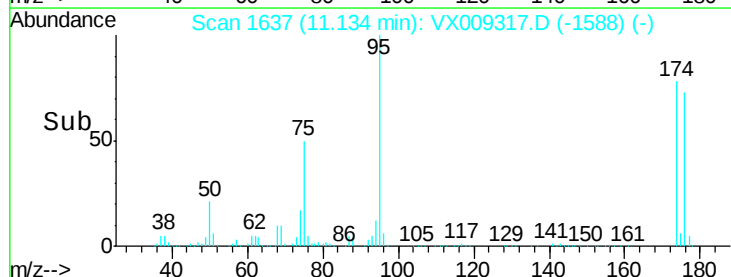
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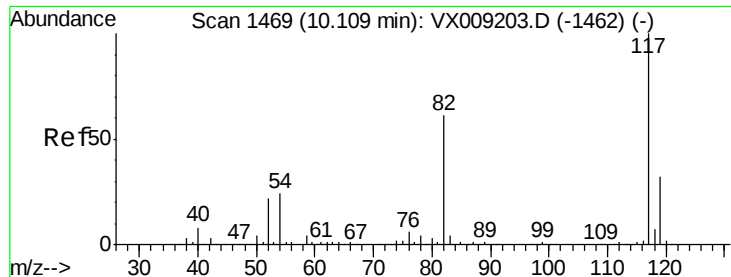
50000

0

11.10 11.20

Time-->

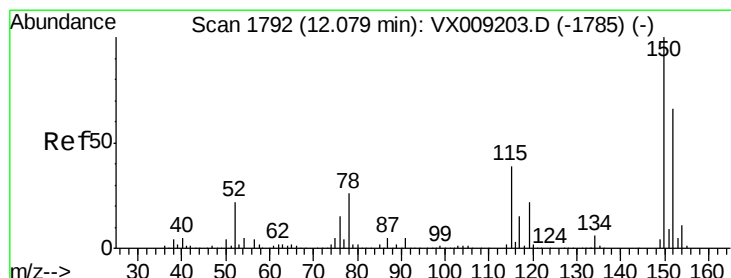
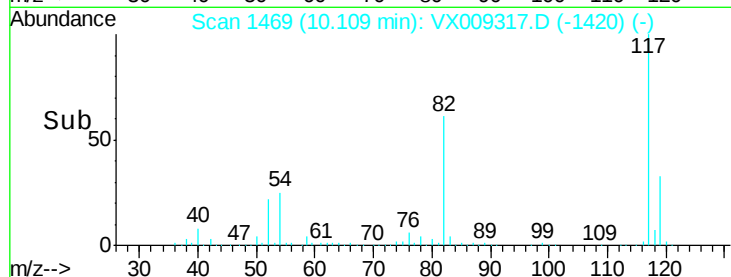
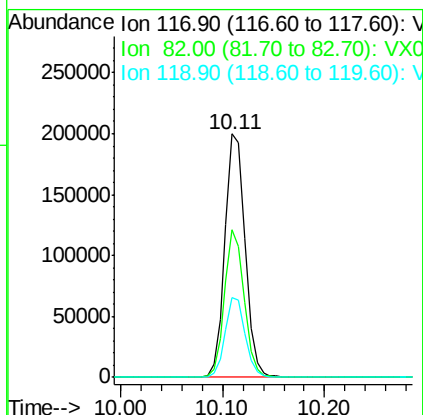
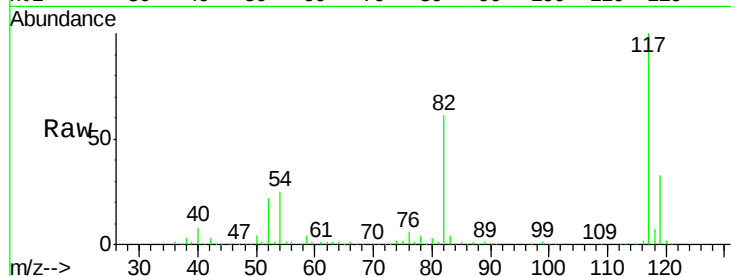




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009317.D
Acq: 03 May 2019 18:14

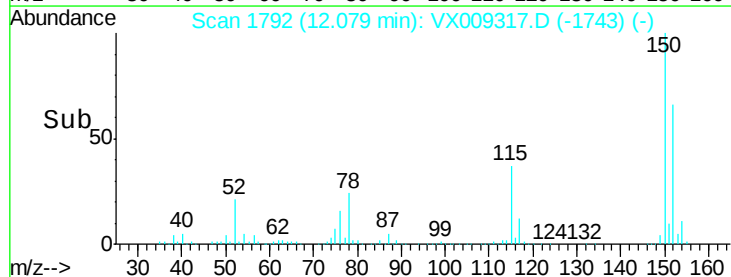
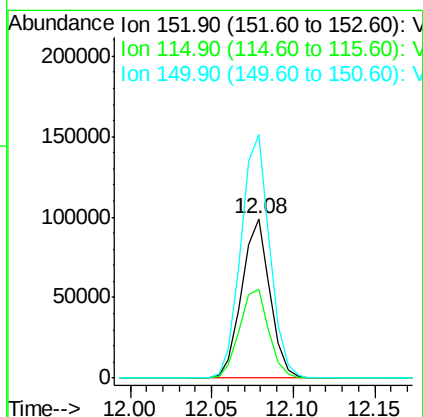
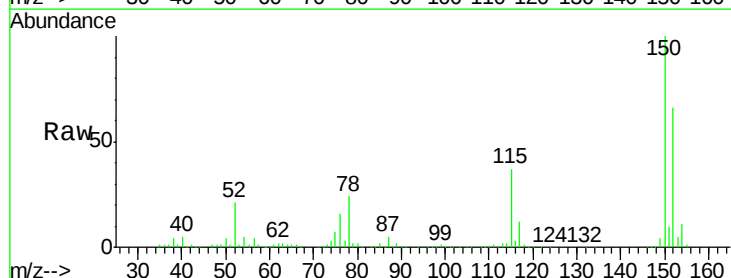
Instrument :
MSVOA_X
ClientSampleId :
SS050MW608-190430

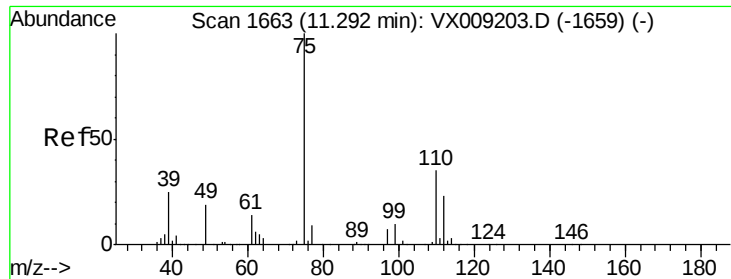
Tot Ion:117 Resp: 275764
Ion Ratio Lower Upper
117 100
82 60.9 48.8 73.2
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009317.D
Acq: 03 May 2019 18:14

Tgt Ion:152 Resp: 119630
Ion Ratio Lower Upper
152 100
115 58.3 41.2 123.6
150 156.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.991 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

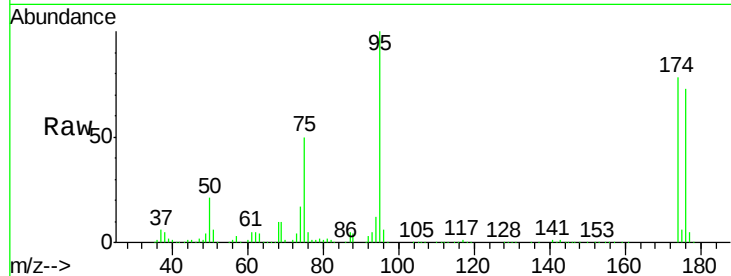
SS050MW608-190430

Tot Ion: 75 Resp: 66574

Ion Ratio Lower Upper

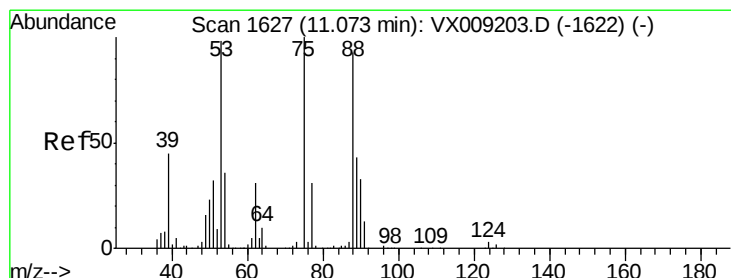
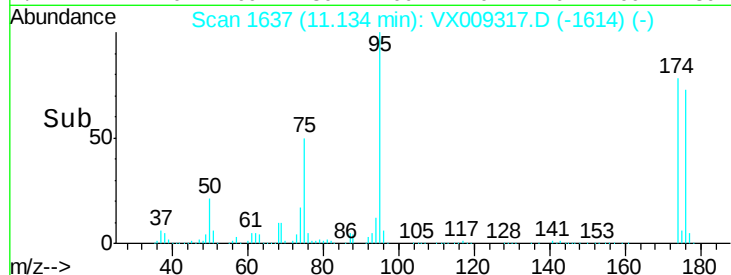
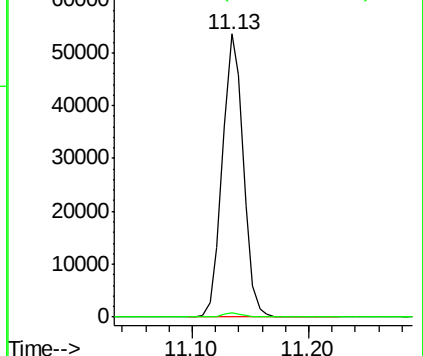
75 100

77 1.3 22.1 66.1#



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: 61.384 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009317.D

Acq: 03 May 2019 18:14

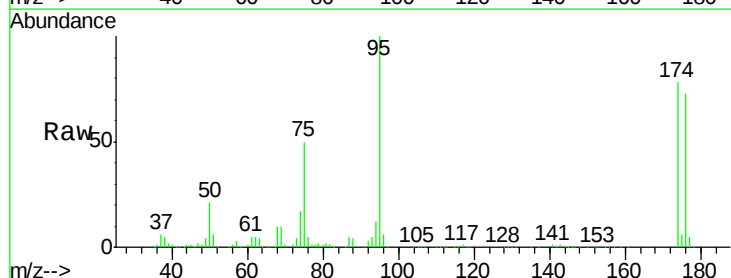
Tgt Ion: 75 Resp: 66574

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

