

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050319\
 Data File : VX009320.D
 Acq On : 03 May 2019 19:24
 Operator : JC/SP
 Sample : K2687-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052OW376-190502

Quant Time: May 03 23:20:13 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	5.67	168	196341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118316	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	131945	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	5.50	113	96310	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	398866	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	130625	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	

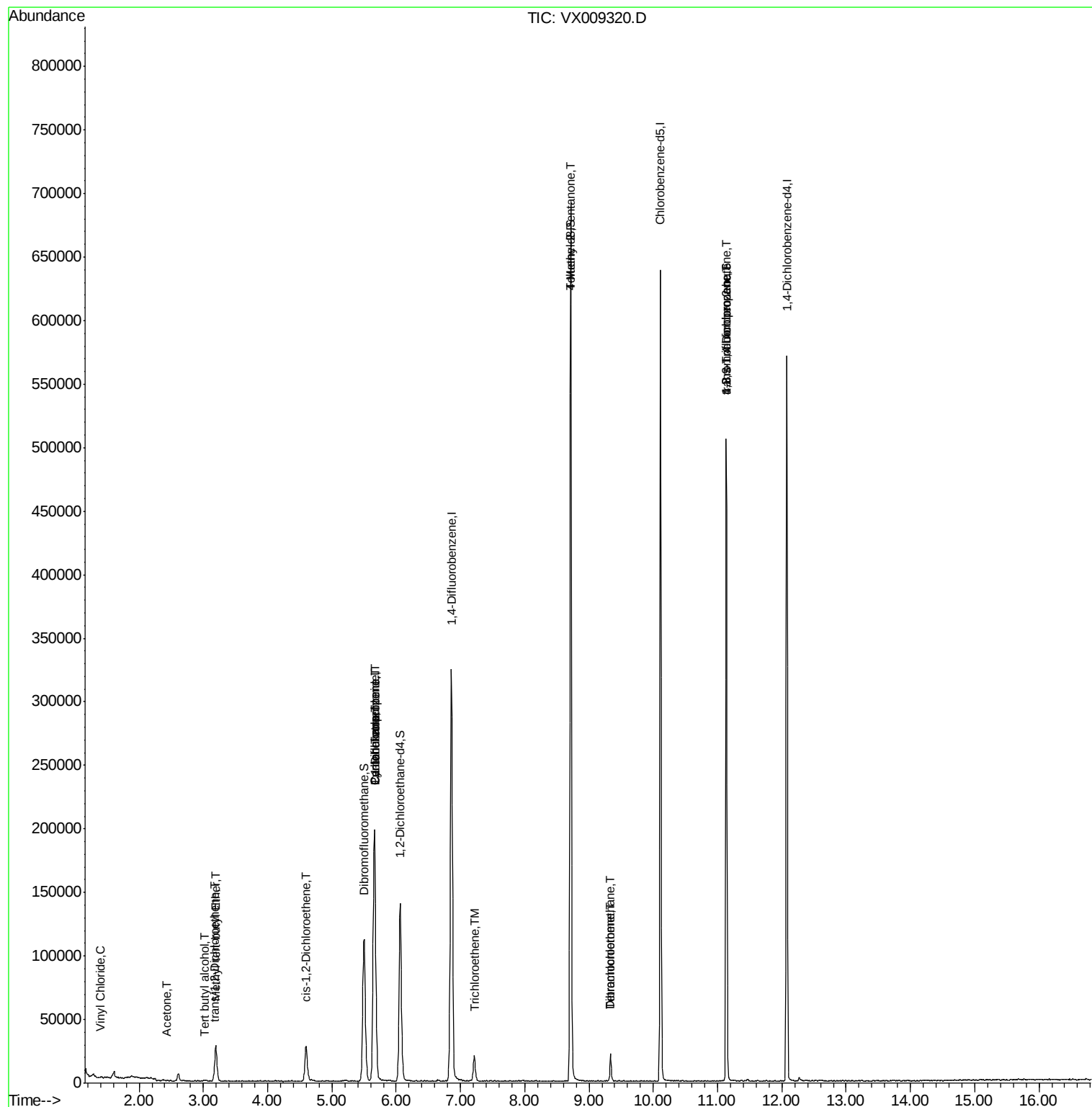
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	636	0.264	ug/l #	65
11) Tert butyl alcohol	3.02	59	490	0.790	ug/l #	73
16) Acetone	2.44	43	663	0.461	ug/l #	73
19) Methyl tert-butyl Ether	3.19	73	29949	4.186	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	558	0.279	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	17242	7.230	ug/l	87
28) Bromochloromethane	5.05	49	22	Below Cal	#	20
31) Cyclohexane	5.66	56	4208	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15459	5.210	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18643	6.916	ug/l #	15
44) Trichloroethene	7.21	130	7611	3.428	ug/l	97
51) 4-Methyl-2-Pentanone	8.71	43	2112	0.489	ug/l #	1
60) Dibromochloromethane	9.34	129	3941	1.772	ug/l #	11
64) Tetrachloroethene	9.34	164	4079	2.121	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	66520	24.238	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66520	62.015	ug/l #	10

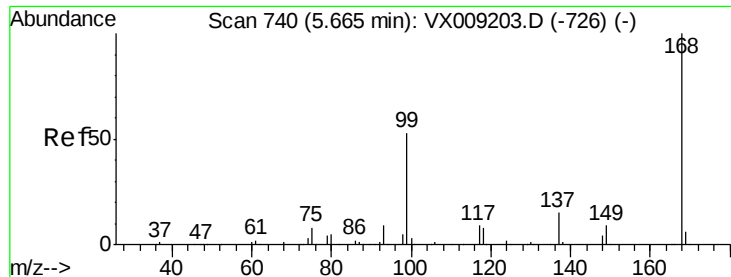
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009320.D

Acq: 03 May 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

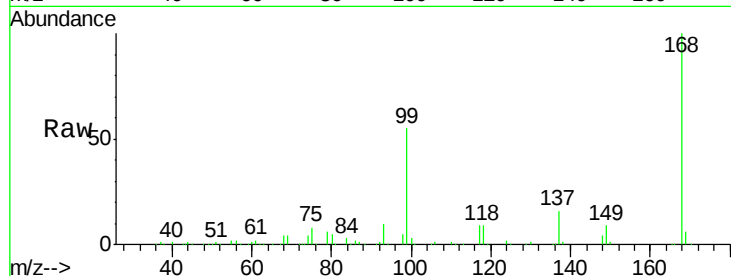
SS052OW376-190502

Tot Ion:168 Resp: 196341

Ion Ratio Lower Upper

168 100

99 55.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

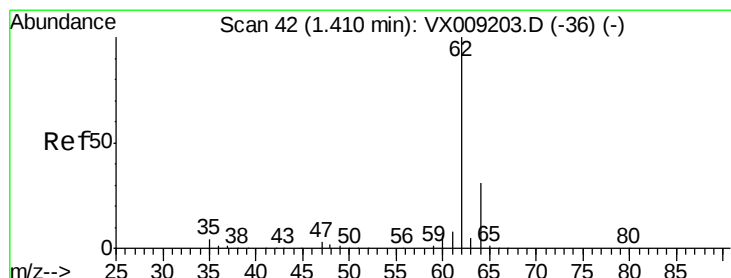
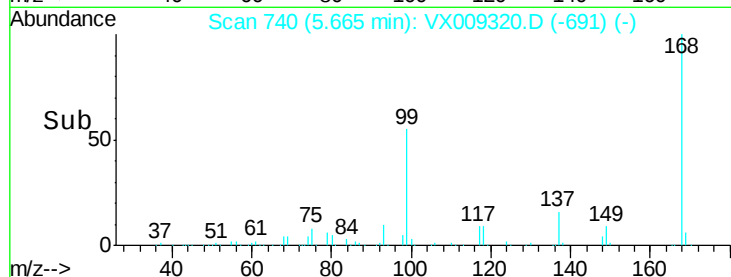
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.264 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009320.D

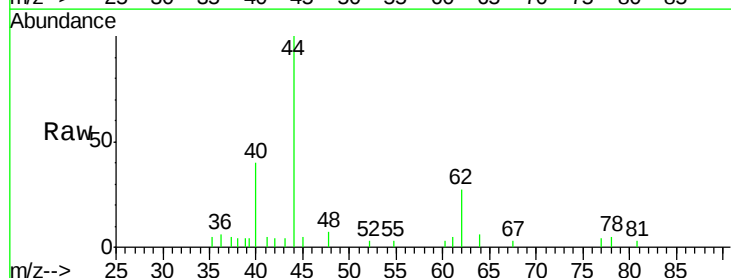
Acq: 03 May 2019 19:24

Tgt Ion: 62 Resp: 636

Ion Ratio Lower Upper

62 100

64 11.5 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

600

500

400

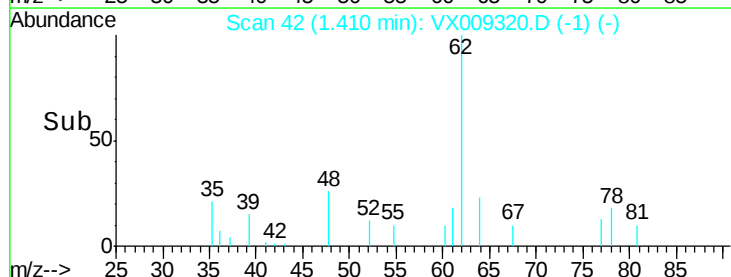
300

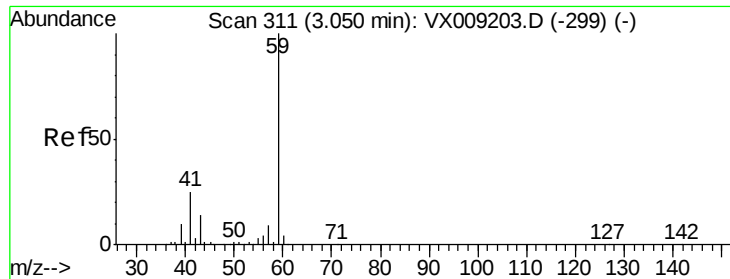
200

100

0

Time--> 1.40 1.45

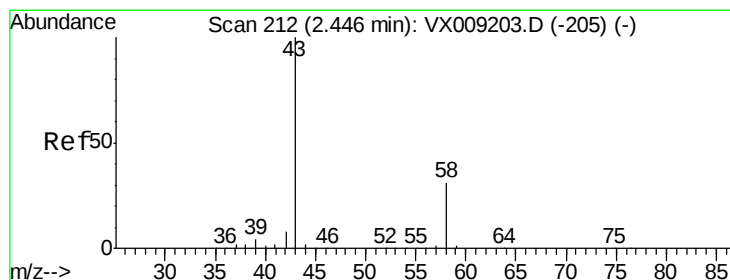
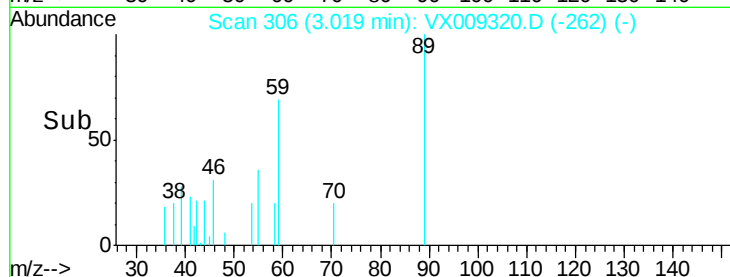
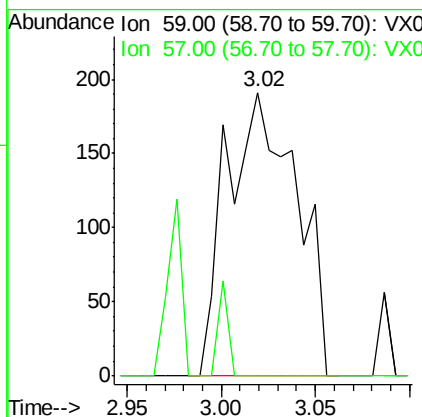
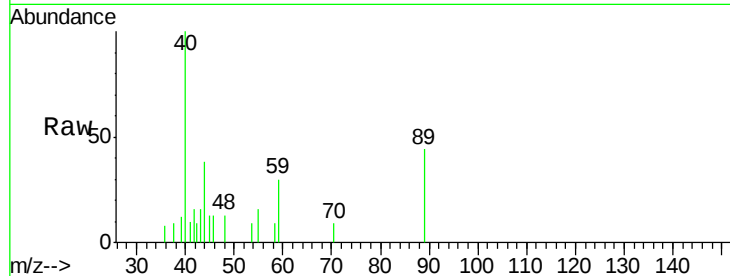




#11
Tert butyl alcohol
Concen: 0.790 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009320.D
Acq: 03 May 2019 19:24

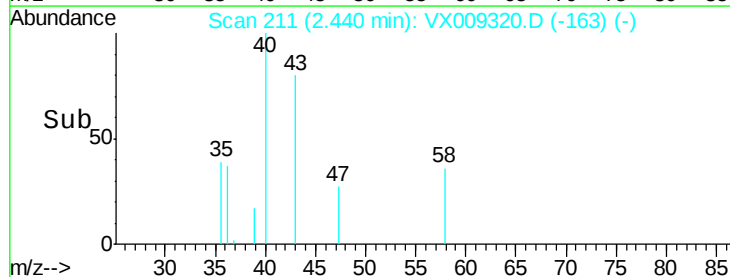
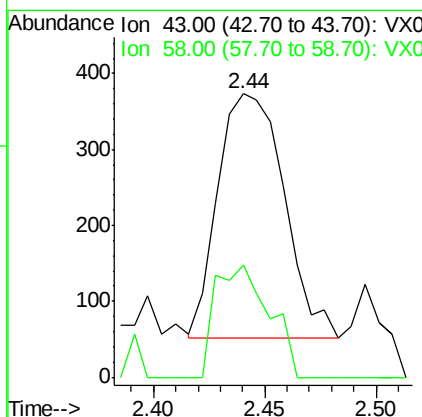
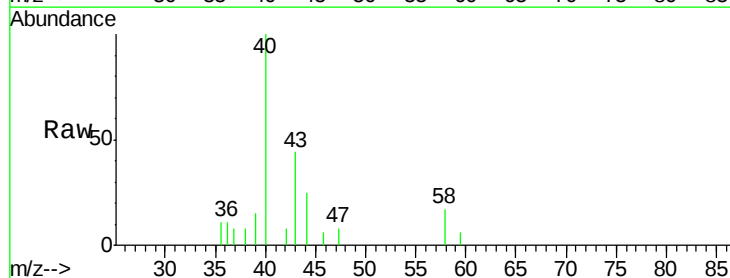
Instrument :
MSVOA_X
ClientSampleId :
SS052OW376-190502

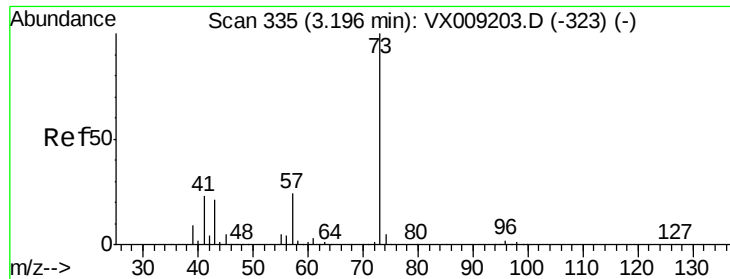
Tot Ion: 59 Resp: 490
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 0.461 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009320.D
Acq: 03 May 2019 19:24

Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
58 45.8 24.9 37.3#

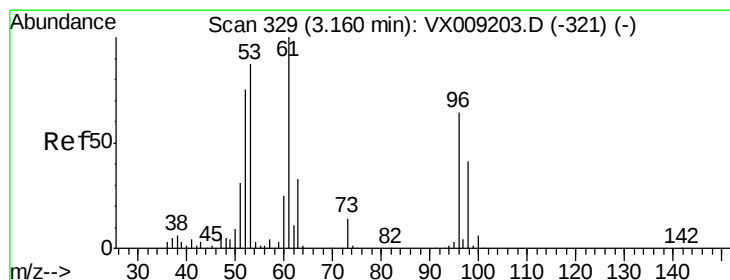
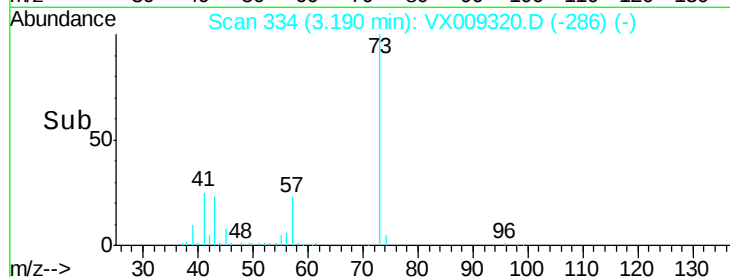
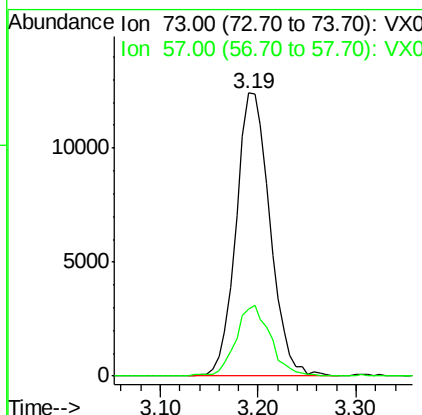
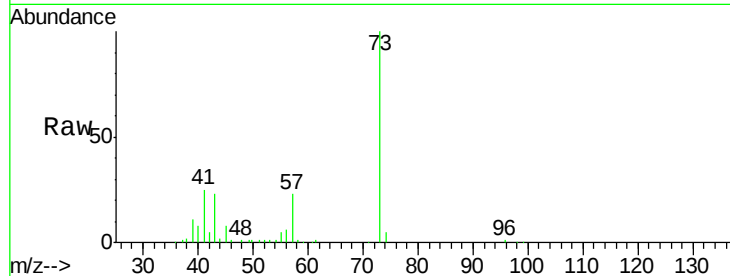




#19
Methvl tert-butvl Ether
Concen: 4.186 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009320.D
Acq: 03 May 2019 19:24

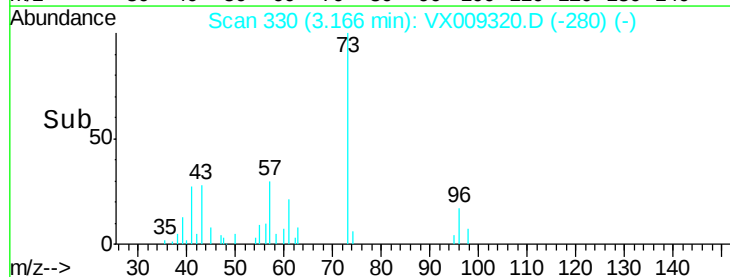
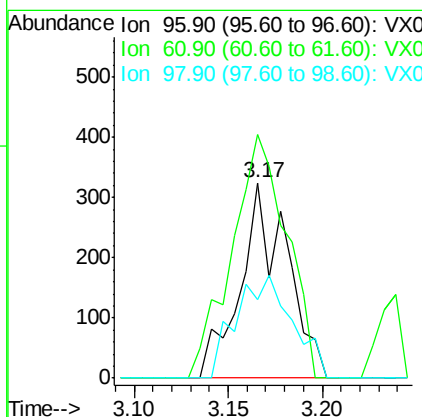
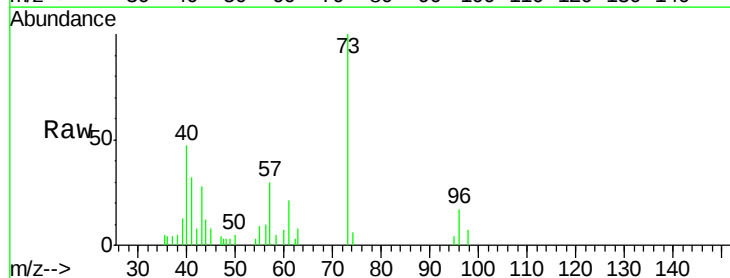
Instrument :
MSVOA_X
ClientSampleId :
SS052OW376-190502

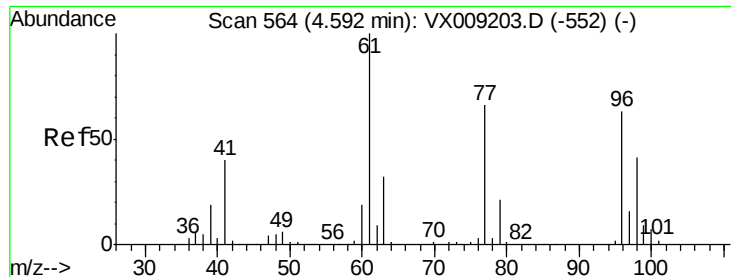
Tot Ion: 73 Resp: 29949
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9



#21
trans-1,2-Dichloroethene
Concen: 0.279 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009320.D
Acq: 03 May 2019 19:24

Tgt Ion: 96 Resp: 558
Ion Ratio Lower Upper
96 100
61 124.7 124.5 186.7
98 40.1 50.4 75.6#



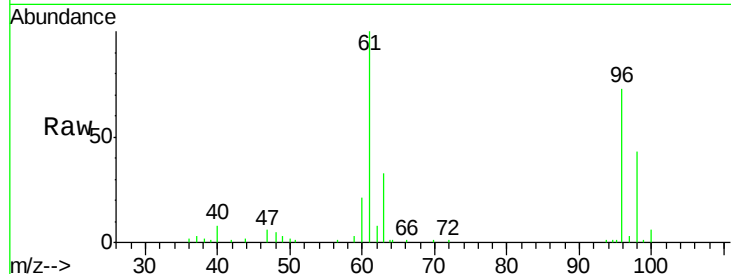


#27

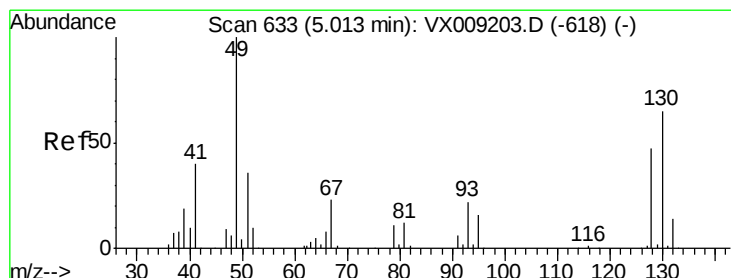
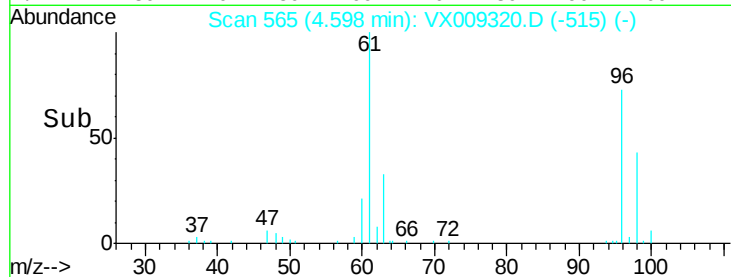
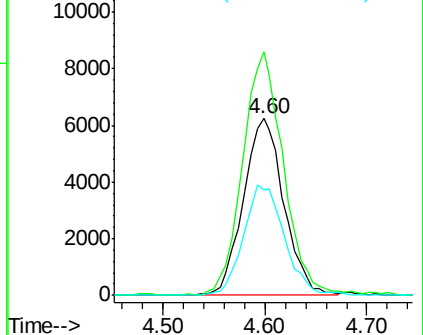
cis-1,2-Dichloroethene
Concen: 7.230 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009320.D
Acq: 03 May 2019 19:24

Instrument :
MSVOA_X
ClientSampleId :
SS052OW376-190502

Tot Ion: 96 Resp: 17242
Ion Ratio Lower Upper
96 100
61 139.6 0.0 324.0
98 63.1 0.0 130.4



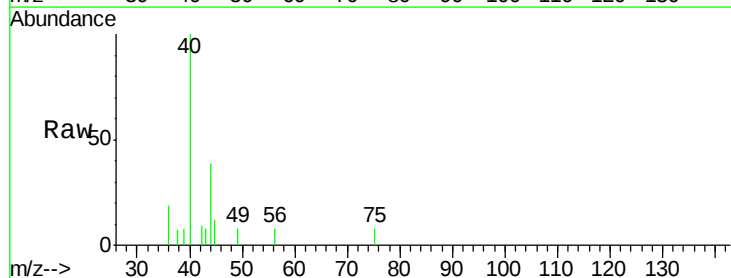
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



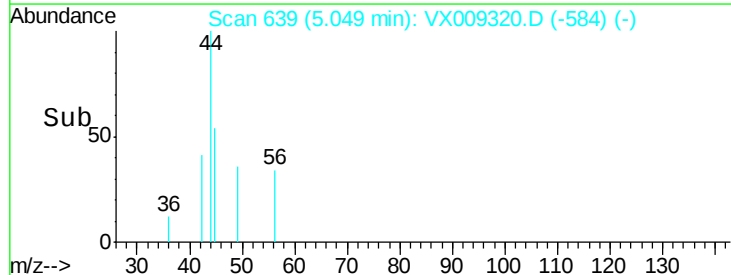
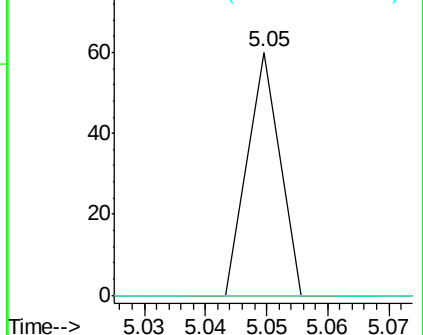
#28

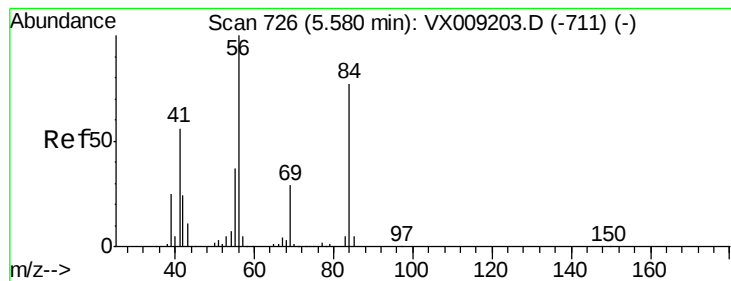
Bromochloromethane
Concen: Below Cal
RT: 5.05 min Scan# 639
Delta R.T. 0.04 min
Lab File: VX009320.D
Acq: 03 May 2019 19:24

Tgt Ion: 49 Resp: 22
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





#31

Cyclohexane

Concen: 1.062 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS052OW376-190502

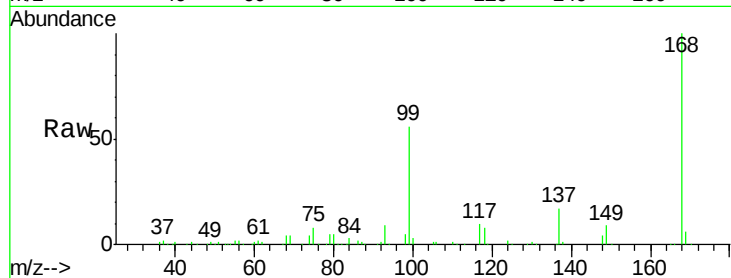
Tot Ion: 56 Resp: 4208

Ion Ratio Lower Upper

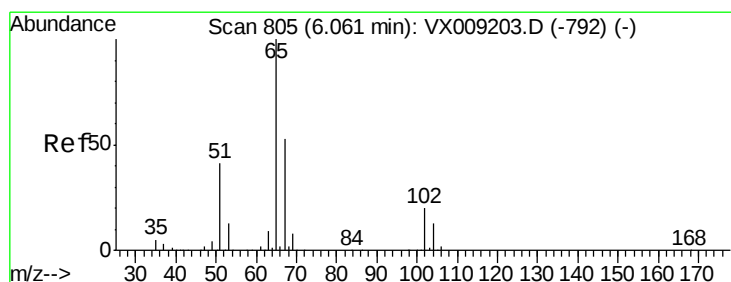
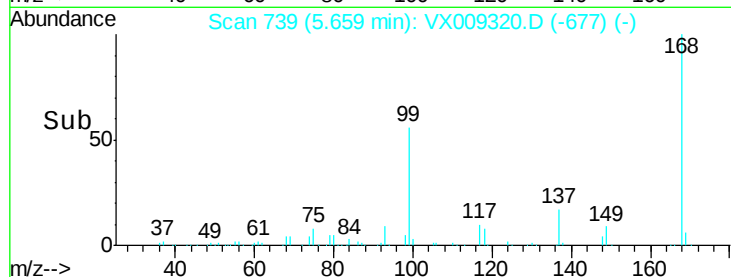
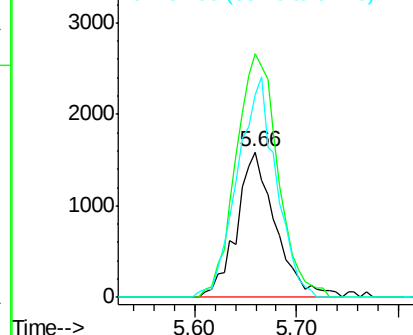
56 100

69 167.3 23.4 35.0#

84 138.9 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



#33

1,2-Dichloroethane-d4

Concen: 49.228 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009320.D

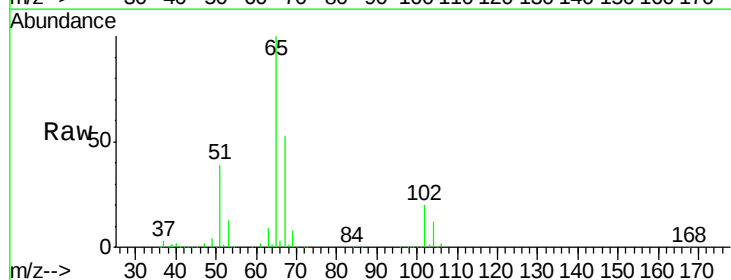
Acq: 03 May 2019 19:24

Tgt Ion: 65 Resp: 131945

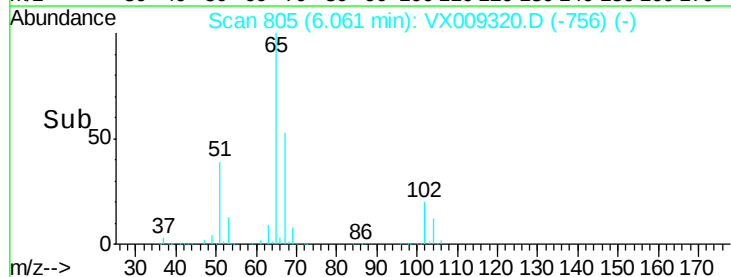
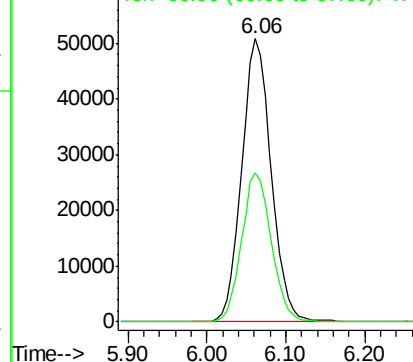
Ion Ratio Lower Upper

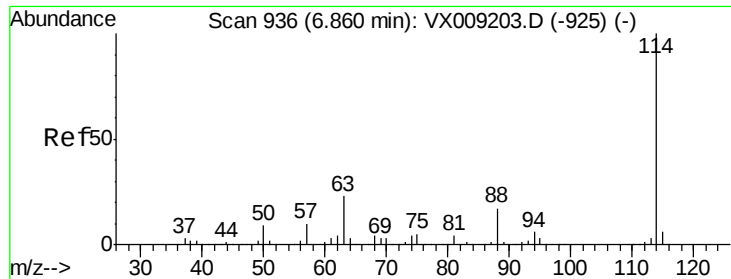
65 100

67 53.4 0.0 106.6



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

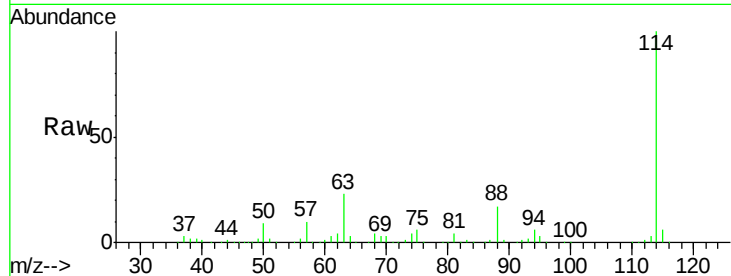




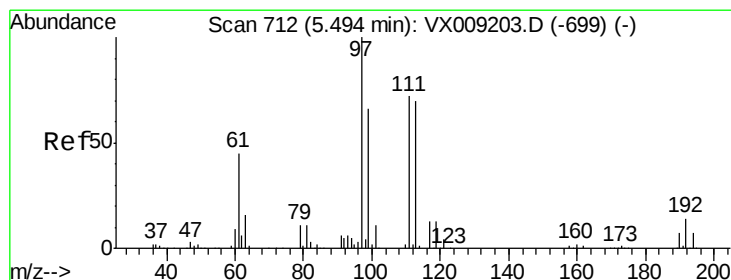
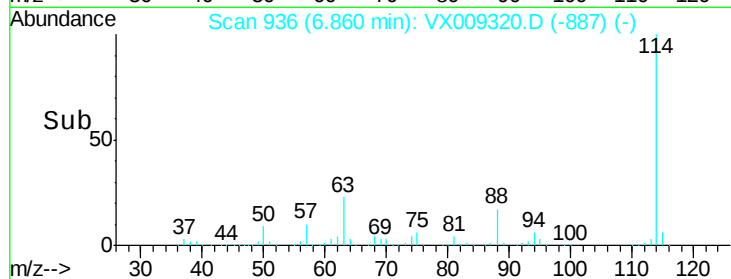
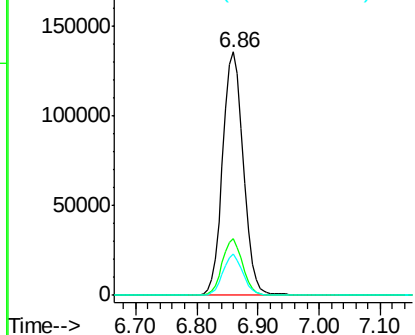
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009320.D
 Acq: 03 May 2019 19:24

Instrument :
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 SS052OW376-190502

Tot Ion:114 Resp: 319281
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 17.0 0.0 33.2

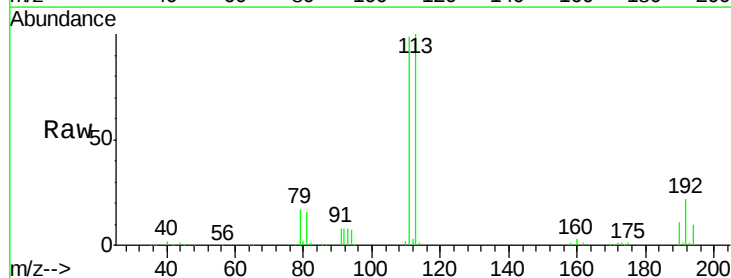


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

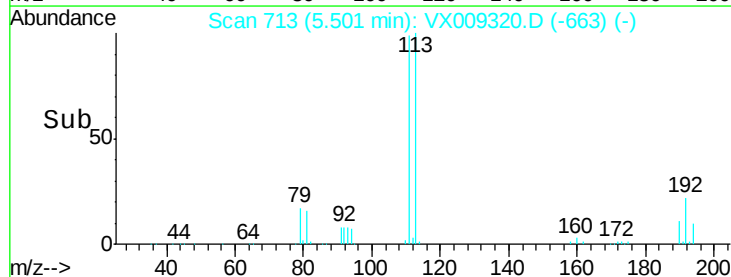
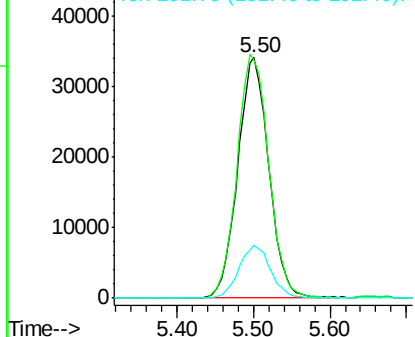


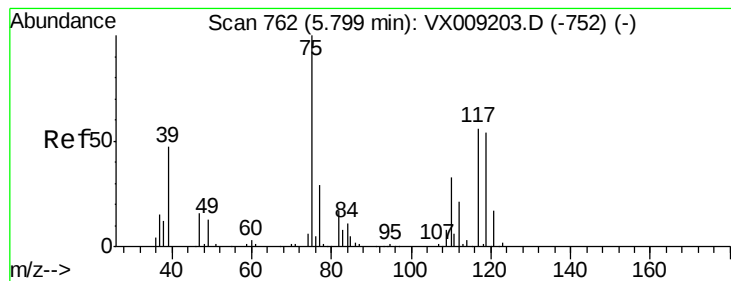
#35
 Dibromofluoromethane
 Concen: 47.984 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009320.D
 Acq: 03 May 2019 19:24

Tgt Ion:113 Resp: 96310
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 22.2 17.0 25.6



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: 5.210 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS052OW376-190502

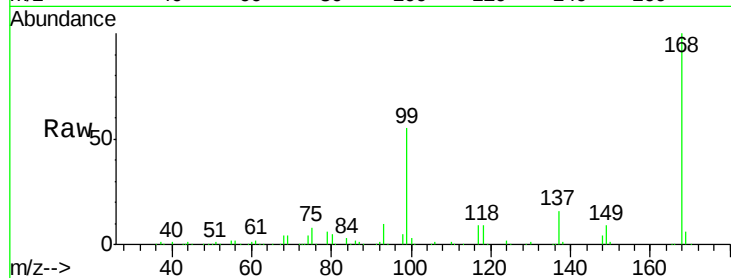
Tot Ion: 75 Resp: 15459

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.6#

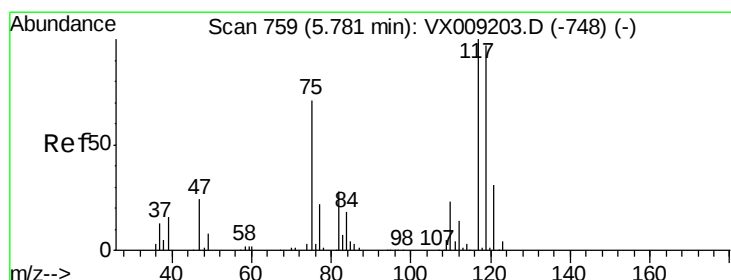
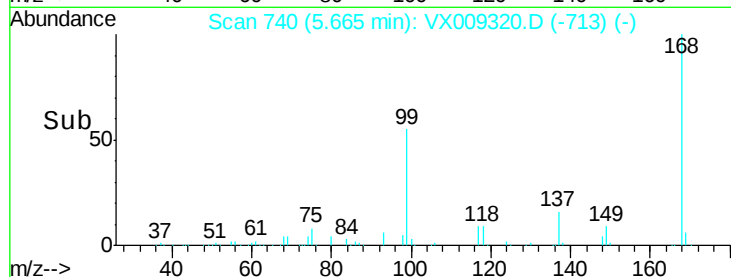
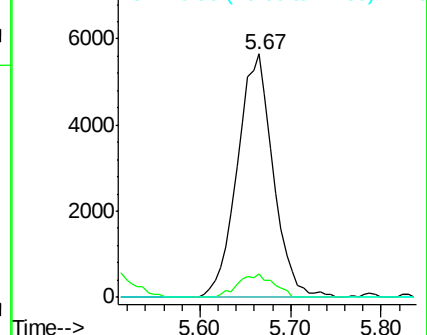
77 0.0 24.8 37.2#



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: 6.916 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

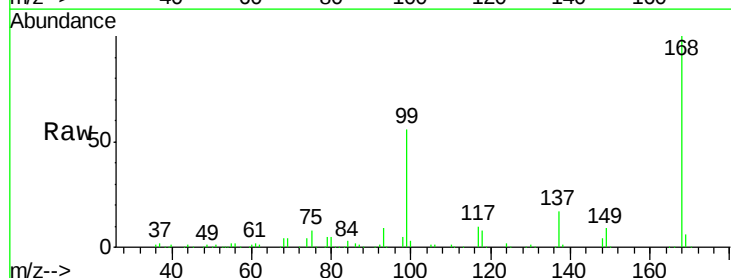
Tgt Ion: 117 Resp: 18643

Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

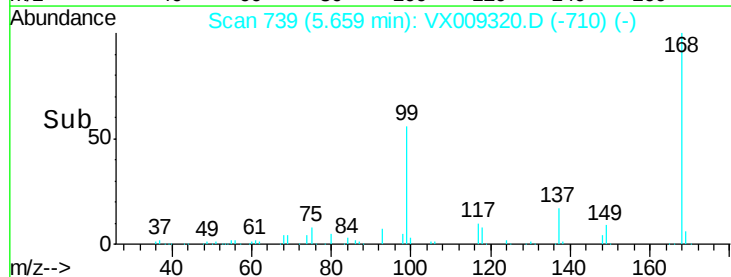
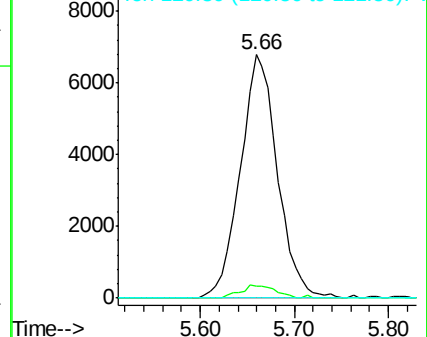
121 0.0 24.7 37.1#

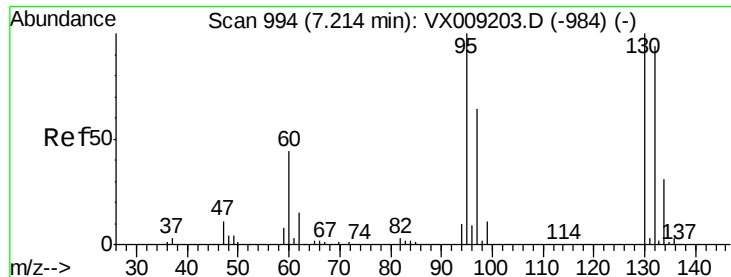


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

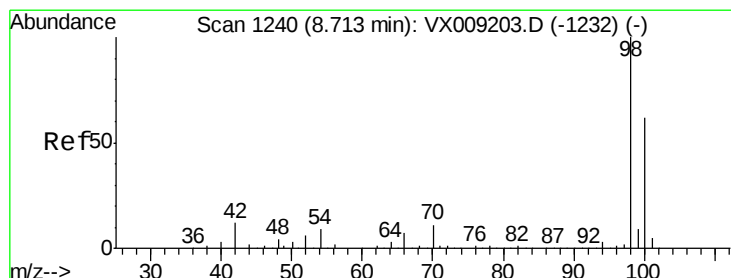
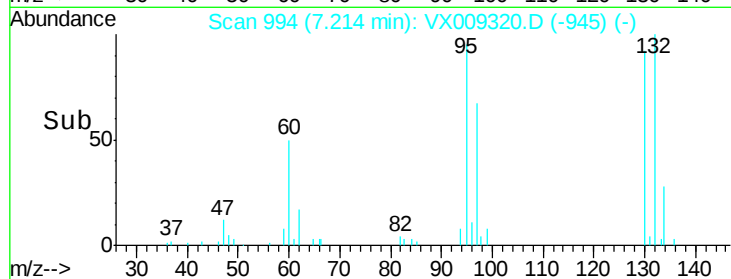
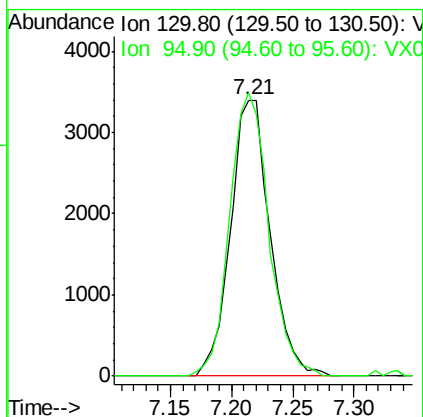
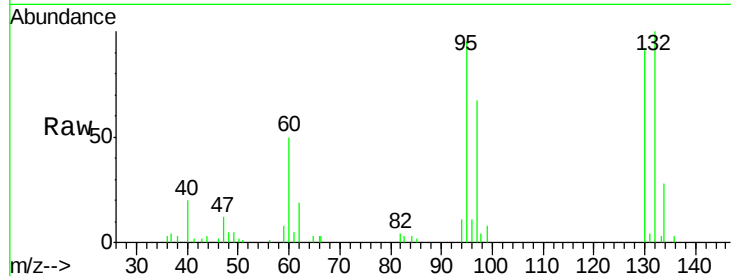




#44
 Trichloroethene
 Concen: 3.428 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009320.D
 Acq: 03 May 2019 19:24

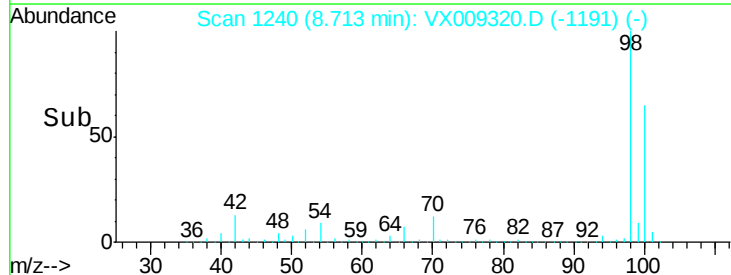
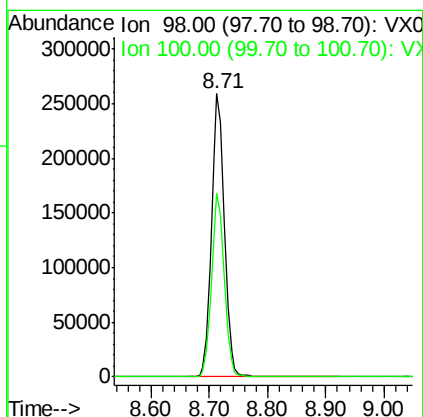
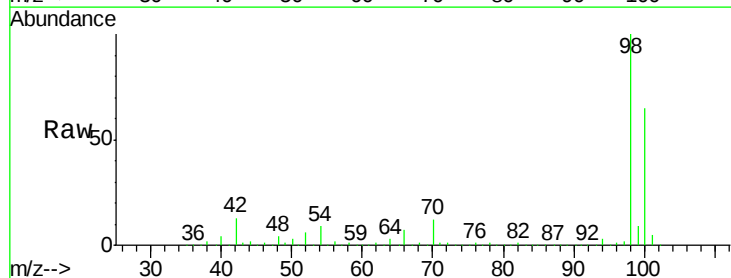
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052OW376-190502

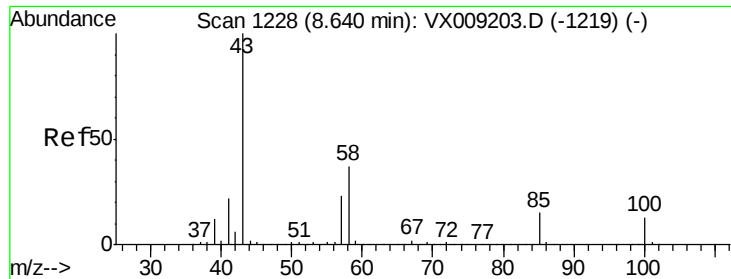
Tot Ion:130 Resp: 7611
 Ion Ratio Lower Upper
 130 100
 95 102.5 0.0 199.2



#50
 Toluene-d8
 Concen: 49.223 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009320.D
 Acq: 03 May 2019 19:24

Tgt Ion: 98 Resp: 398866
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.489 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

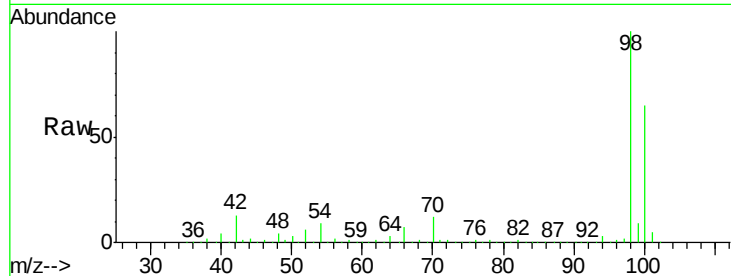
SS052OW376-190502

Tot Ion: 43 Resp: 2112

Ion Ratio Lower Upper

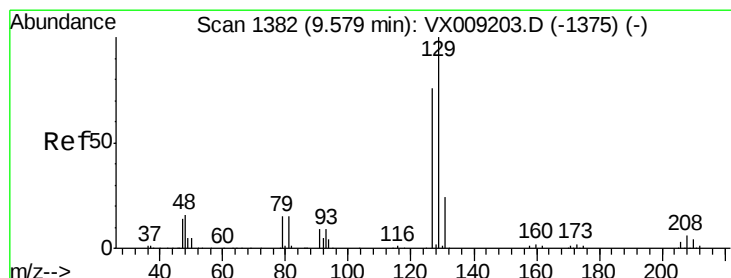
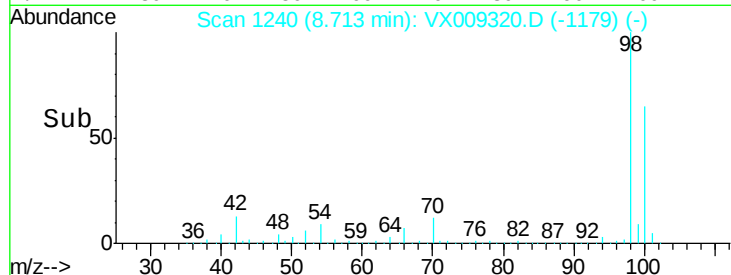
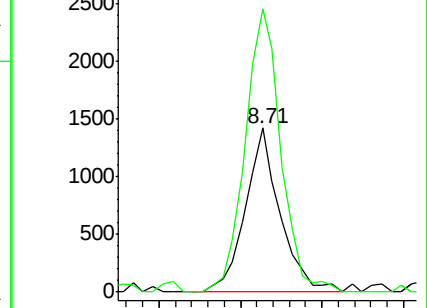
43 100

58 176.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX009320.D (-1179) (-)

Ion 58.00 (57.70 to 58.70): VX009320.D (-1179) (-)



#60

Dibromochloromethane

Concen: 1.772 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009320.D

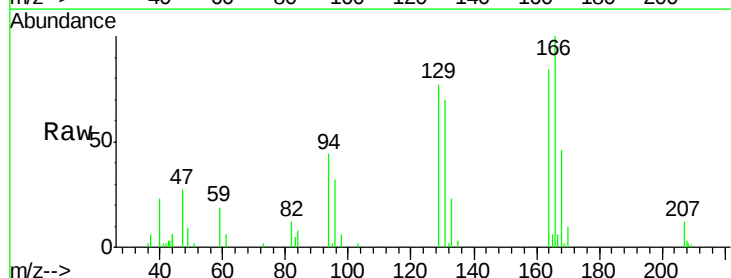
Acq: 03 May 2019 19:24

Tgt Ion: 129 Resp: 3941

Ion Ratio Lower Upper

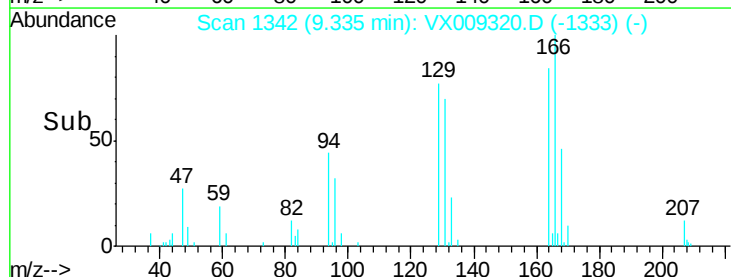
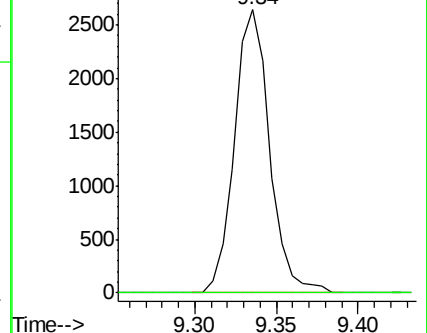
129 100

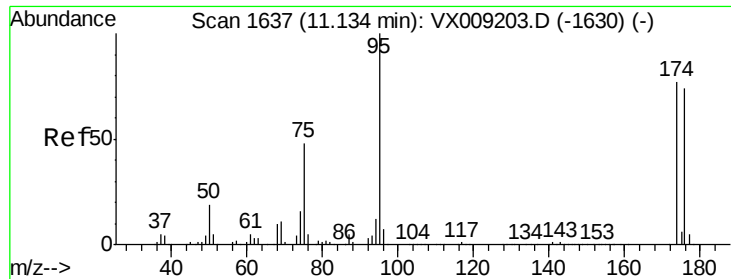
127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): VX009320.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX009320.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 44.364 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS052OW376-190502

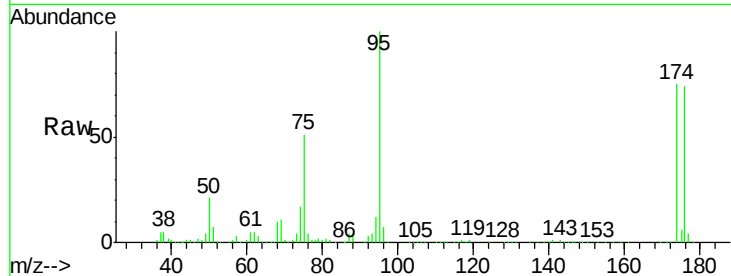
Tot Ion: 95 Resp: 130625

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

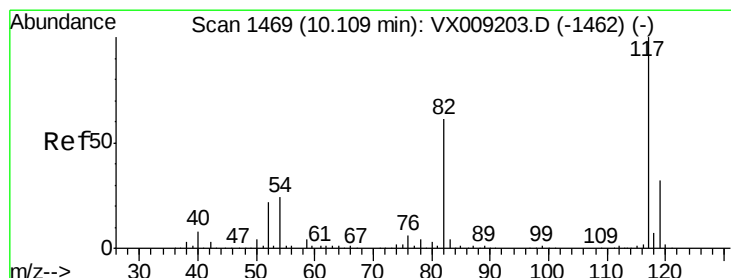
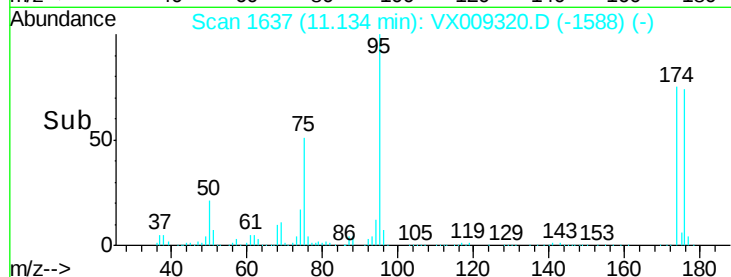
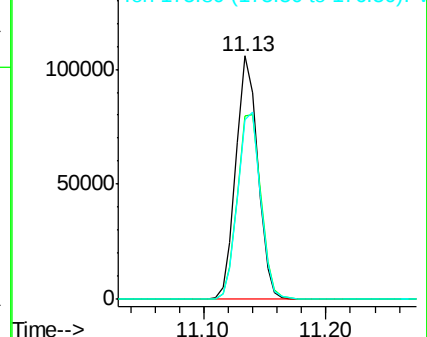
176 80.1 0.0 159.2



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: VX009320.D

Acq: 03 May 2019 19:24

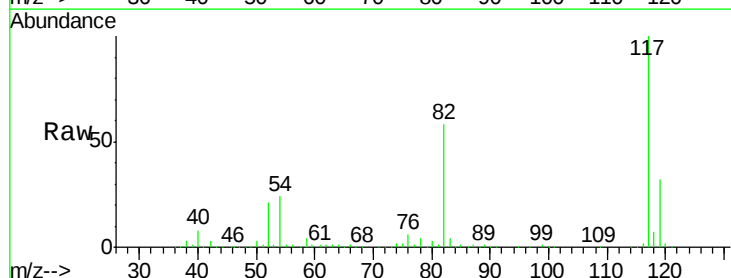
Tgt Ion: 117 Resp: 280360

Ion Ratio Lower Upper

117 100

82 58.4 48.8 73.2

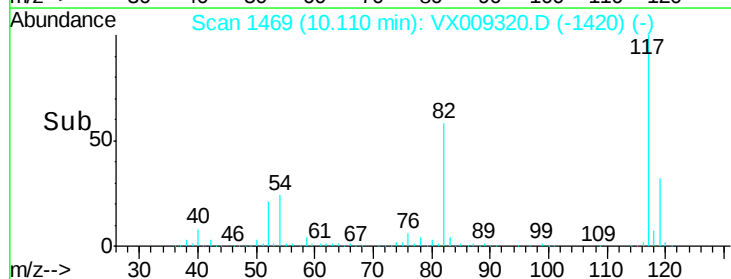
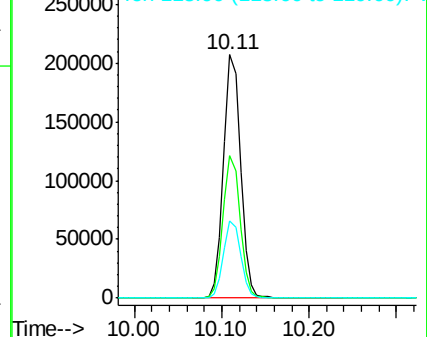
119 31.6 25.8 38.6

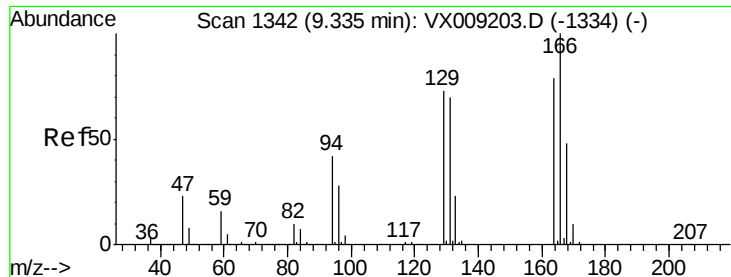


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 2.121 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

SS052OW376-190502

Tot Ion:164 Resp: 4079

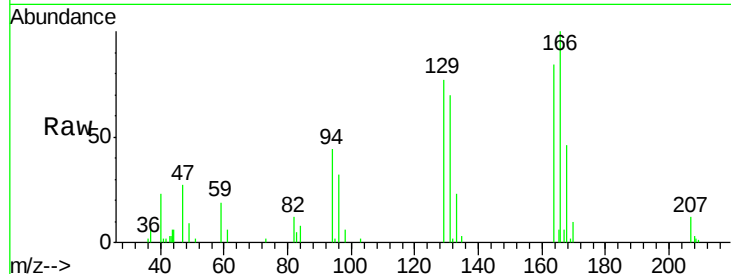
Ion Ratio Lower Upper

164 100

166 118.7 101.2 151.8

129 91.4 74.3 111.5

131 83.3 71.0 106.6

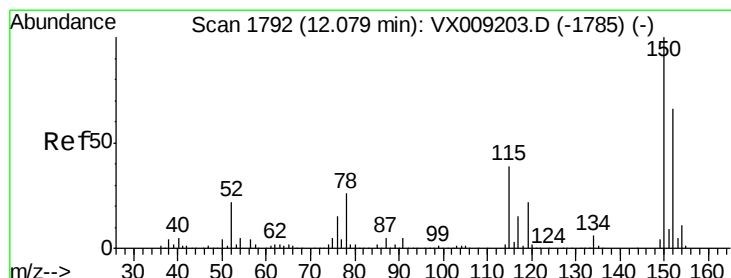
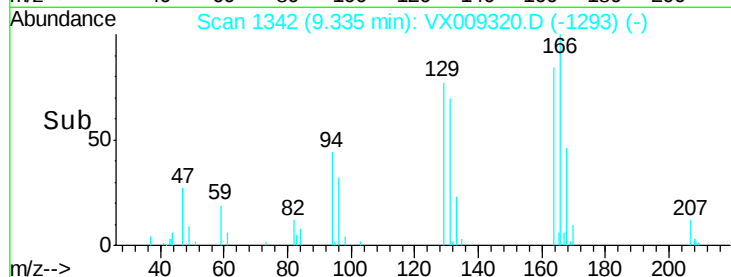
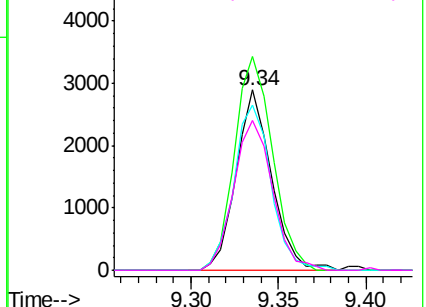


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX009320.D

Acq: 03 May 2019 19:24

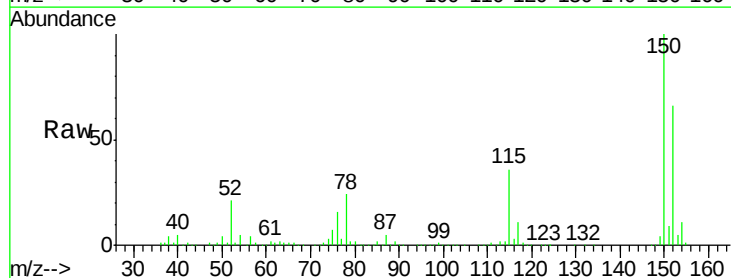
Tgt Ion:152 Resp: 118316

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

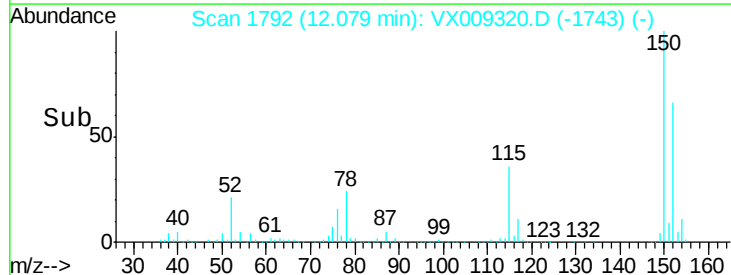
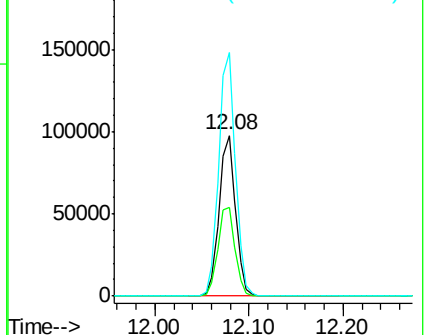
150 154.4 0.0 346.4

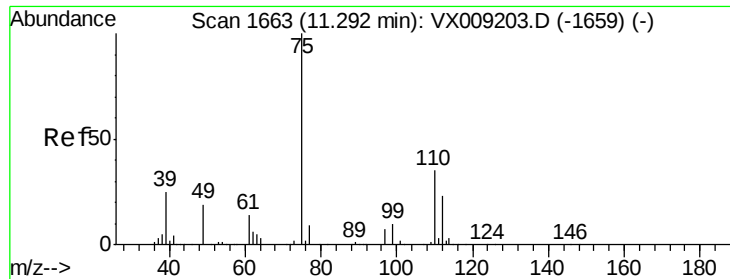


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.238 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

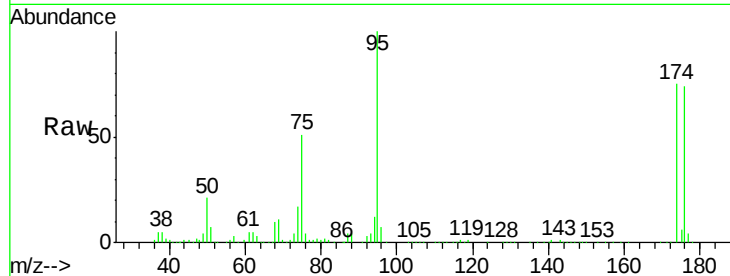
SS052OW376-190502

Tot Ion: 75 Resp: 66520

Ion Ratio Lower Upper

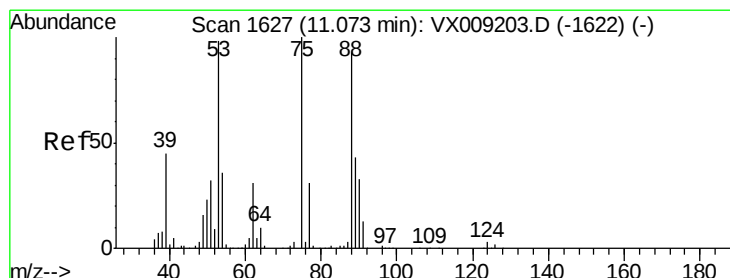
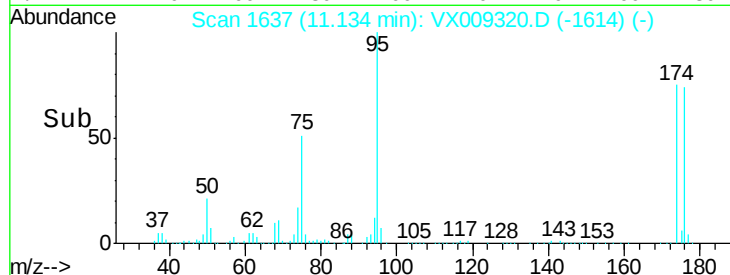
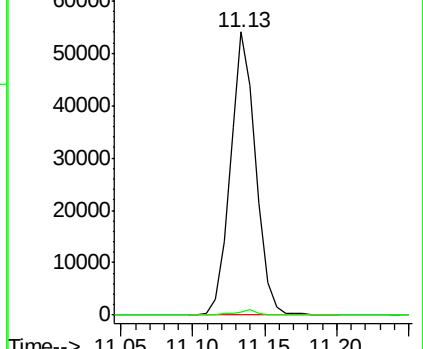
75 100

77 1.5 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: 62.015 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009320.D

Acq: 03 May 2019 19:24

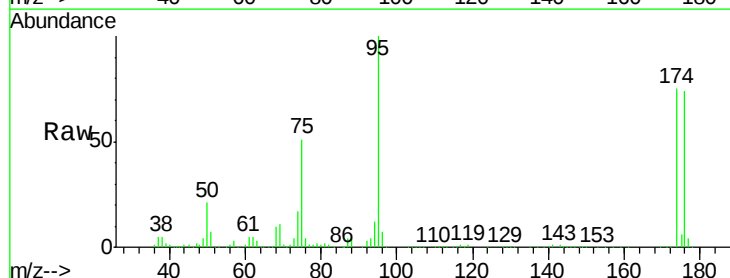
Tgt Ion: 75 Resp: 66520

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 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

