

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009631.D
 Acq On : 17 May 2019 01:20
 Operator : JC/SP
 Sample : K2887-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW100-190514

Quant Time: May 17 06:43:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	172452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97367	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	114046	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	5.50	113	84523	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	343137	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	110234	43.43	ug/l	0.00
Spiked Amount			Recovery	=	86.86%	

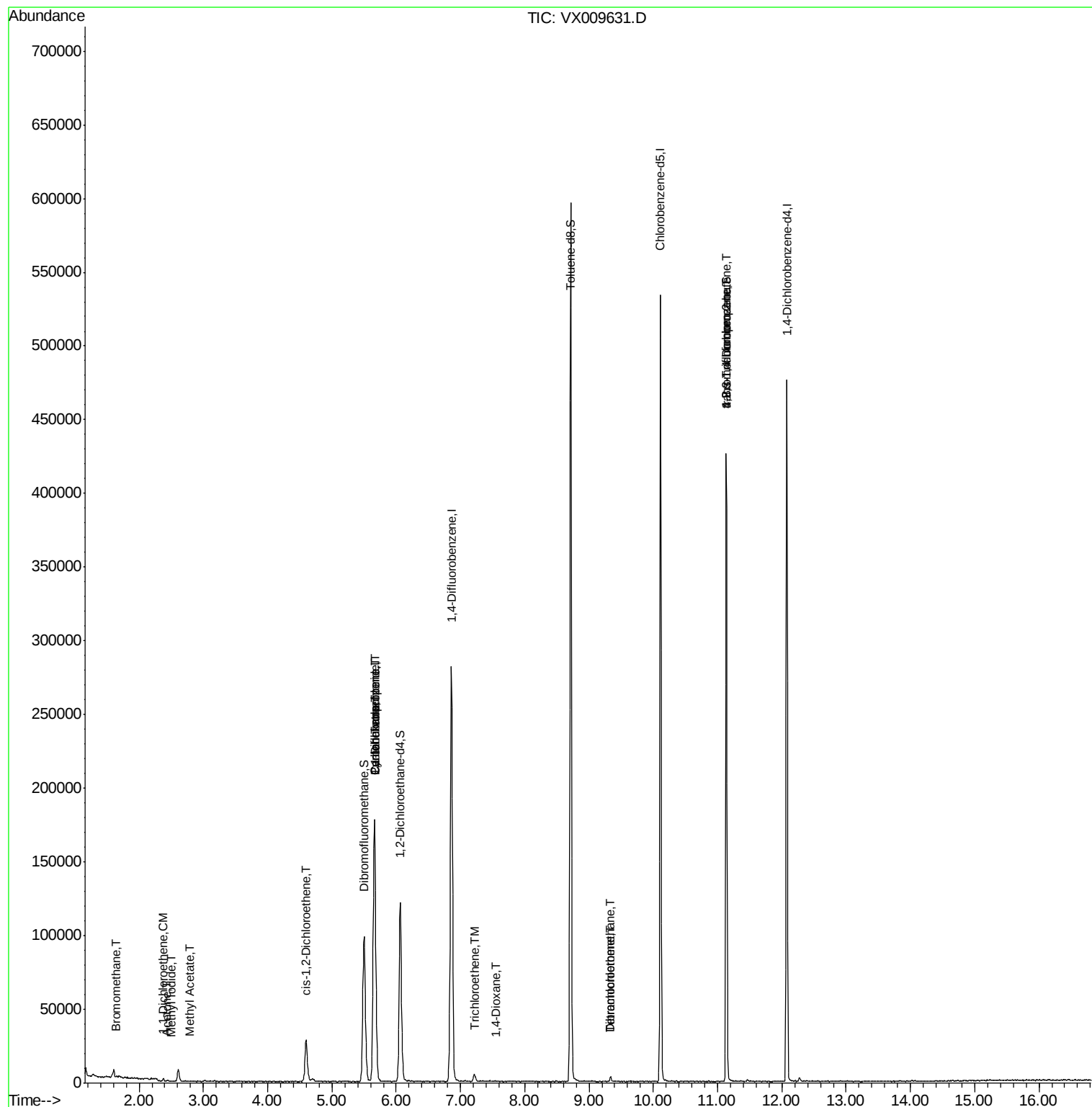
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	286	0.225	ug/l #	54
10) Methyl Iodide	2.51	142	168	4.675	ug/l #	42
12) 1,1-Dichloroethene	2.38	96	616	0.381	ug/l #	65
16) Acetone	2.44	43	972	0.769	ug/l	96
18) Methyl Acetate	2.78	43	895	0.298	ug/l #	67
27) cis-1,2-Dichloroethene	4.60	96	17342	8.279	ug/l	89
28) Bromochloromethane	5.04	49	120	Below Cal	#	20
31) Cyclohexane	5.67	56	3836	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13656	5.339	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16480	7.092	ug/l #	16
44) Trichloroethene	7.22	130	1867	0.976	ug/l	96
49) 1,4-Dioxane	7.56	88	19	0.331	ug/l #	54
60) Dibromochloromethane	9.33	129	620	0.323	ug/l #	11
64) Tetrachloroethene	9.33	164	618	0.378	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	56760	25.131	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	56760	64.301	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051619\
Data File : VX009631.D
Acq On : 17 May 2019 01:20
Operator : JC/SP
Sample : K2887-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS052MW100-190514

Quant Time: May 17 06:43:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

Instrument :

MSVOA_X

ClientSampleId :

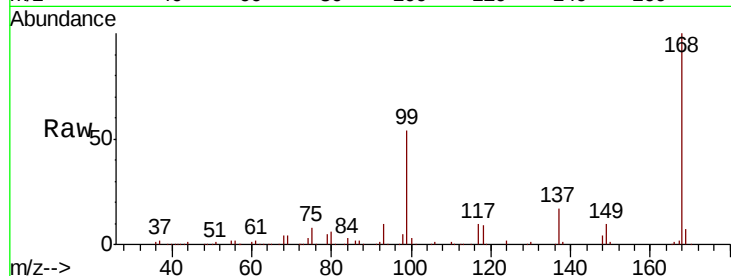
SS052MW100-190514

Tot Ion:168 Resp: 172452

Ion Ratio Lower Upper

168 100

99 54.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.67

60000

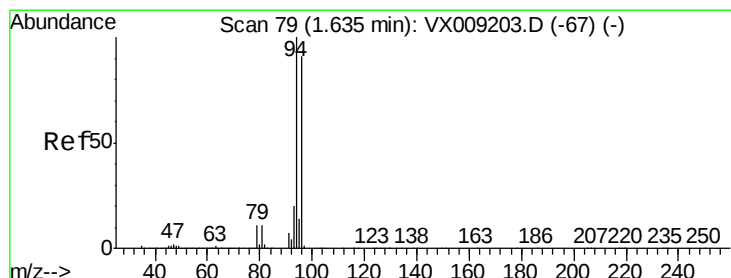
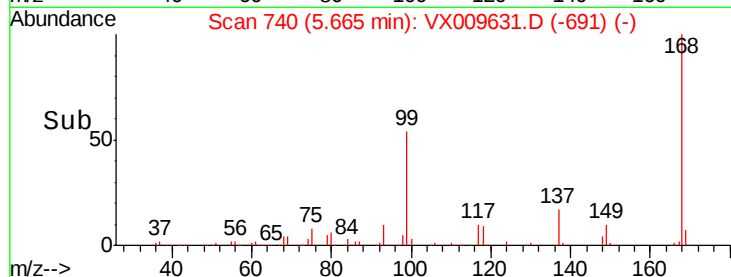
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.225 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009631.D

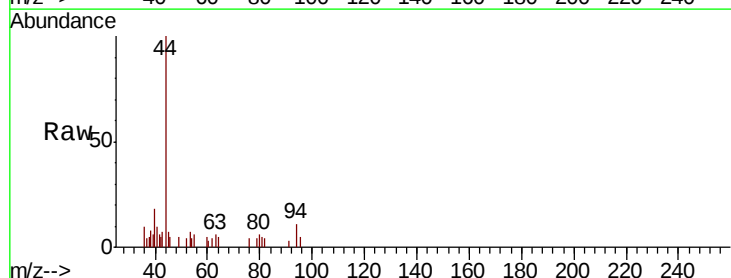
Acq: 17 May 2019 01:20

Tgt Ion: 94 Resp: 286

Ion Ratio Lower Upper

94 100

96 47.2 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX009631.D (-30) (-)

Ion 95.90 (95.60 to 96.60): VX009631.D (-30) (-)

1.64

150

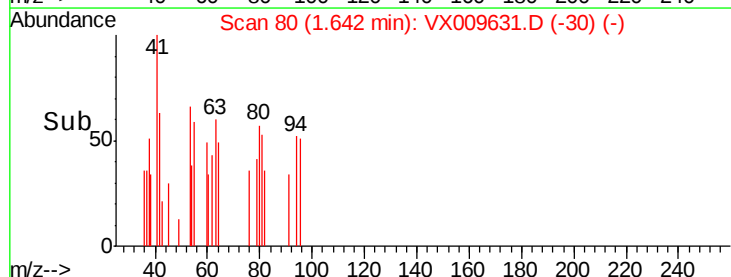
100

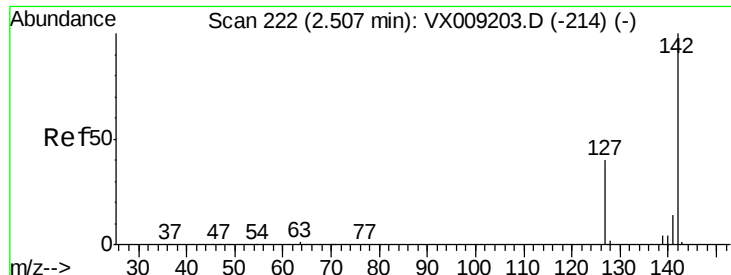
50

0

1.65 1.70

Time-->

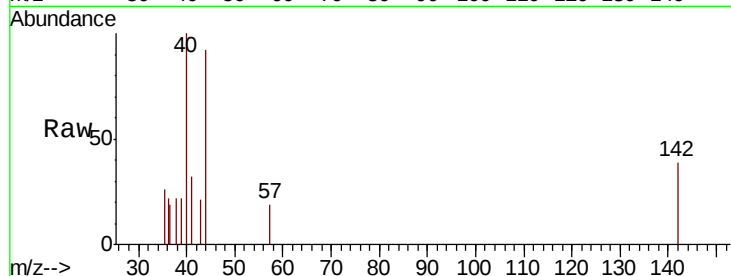




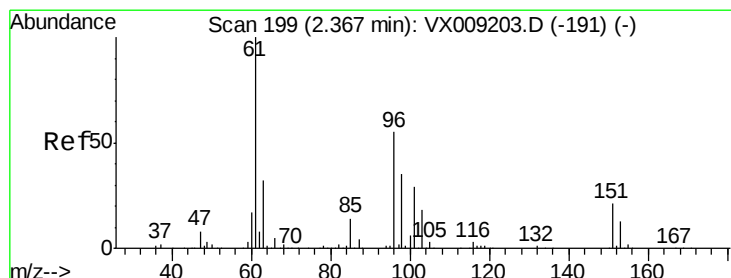
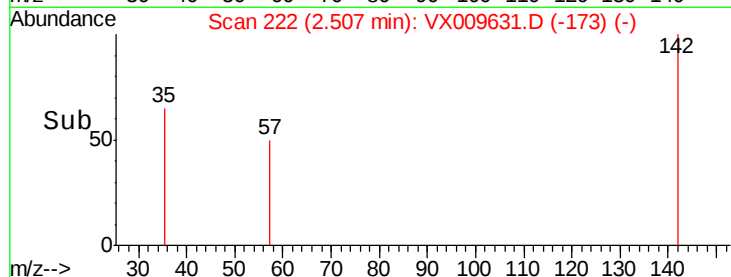
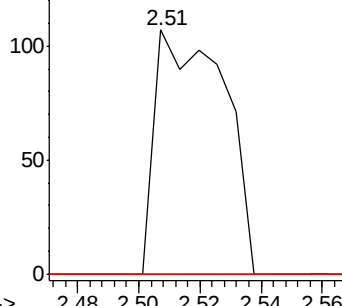
#10
Methvl Iodide
Concen: 4.675 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009631.D
Acq: 17 May 2019 01:20

Instrument :
MSVOA_X
ClientSampleId :
SS052MW100-190514

Tot Ion:142 Resp: 168
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

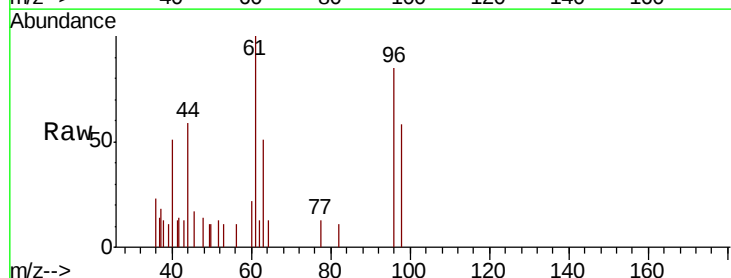


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

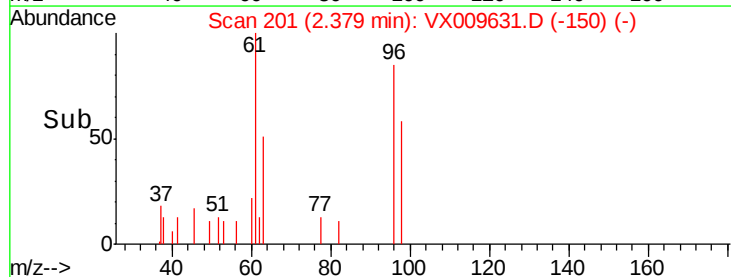
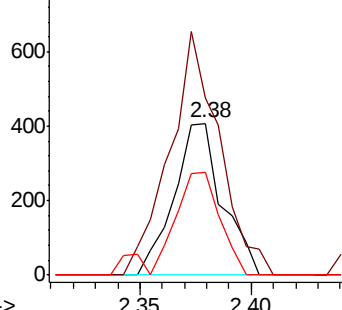


#12
1,1-Dichloroethene
Concen: 0.381 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX009631.D
Acq: 17 May 2019 01:20

Tgt Ion: 96 Resp: 616
Ion Ratio Lower Upper
96 100
61 117.2 144.3 216.5#
98 67.6 50.3 75.5



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





#16

Acetone

Concen: 0.769 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

Instrument :

MSVOA_X

ClientSampleId :

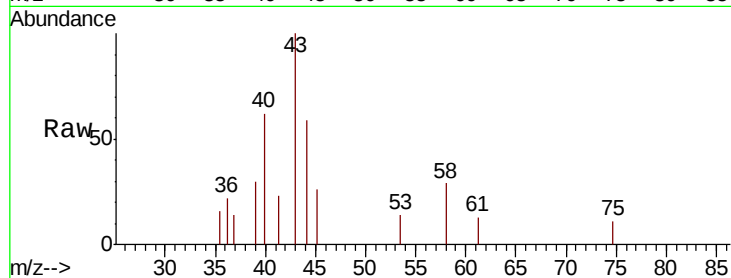
SS052MW100-190514

Tot Ion: 43 Resp: 972

Ion Ratio Lower Upper

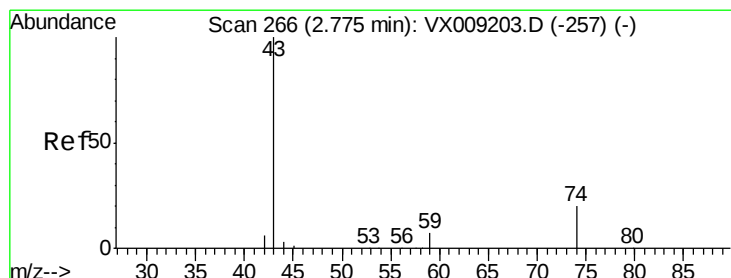
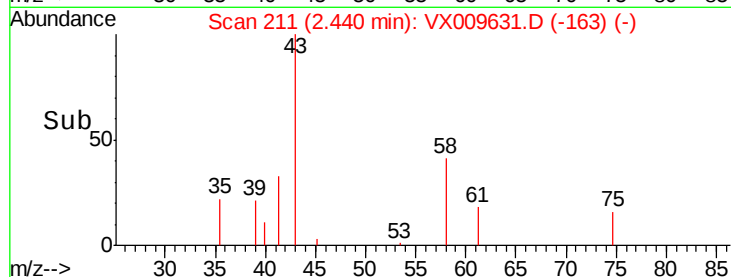
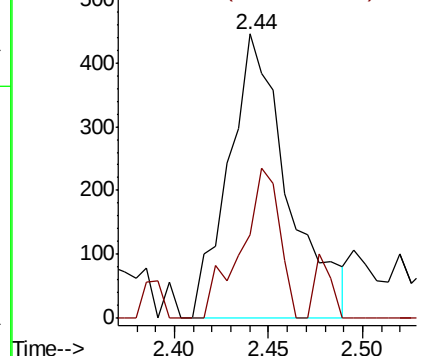
43 100

58 29.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.298 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009631.D

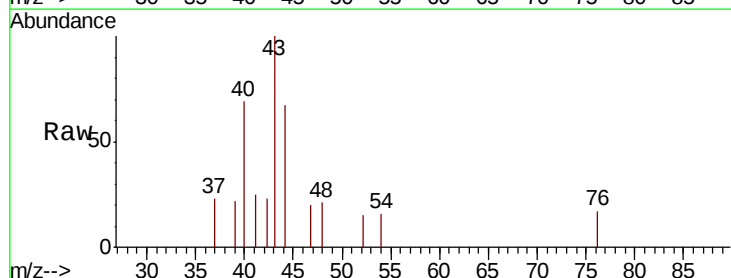
Acq: 17 May 2019 01:20

Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

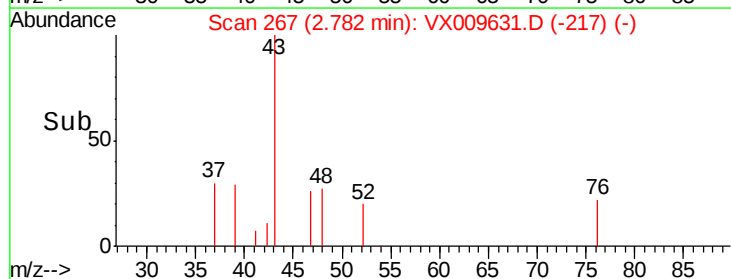
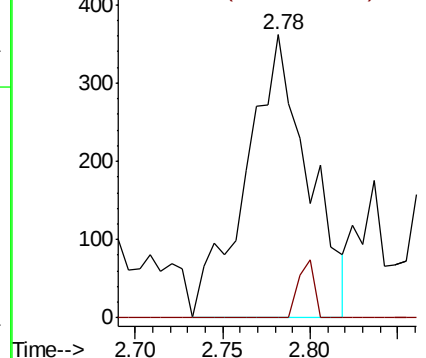
43 100

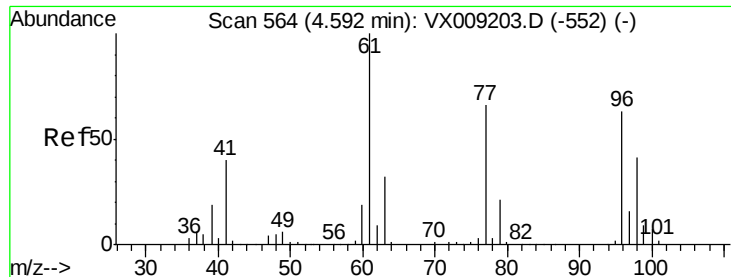
74 5.3 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



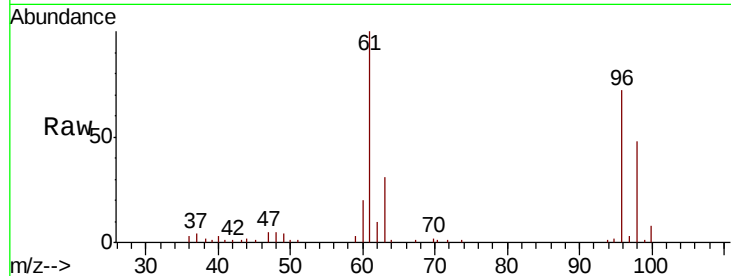


#27

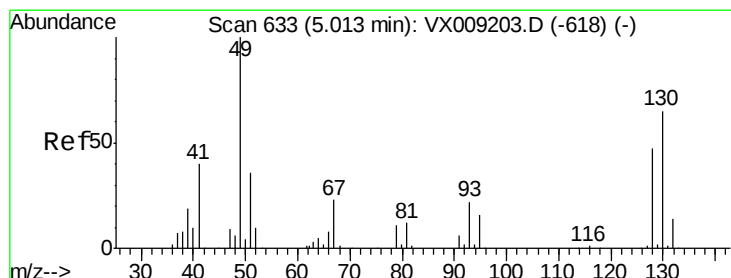
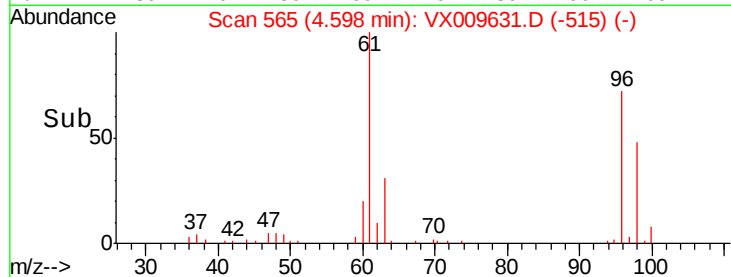
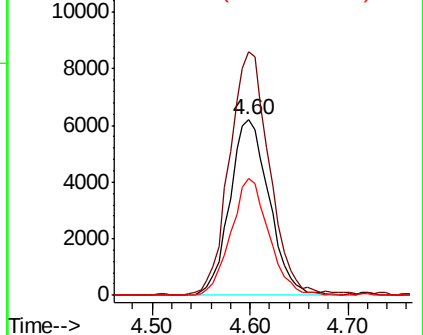
cis-1,2-Dichloroethene
 Concen: 8.279 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009631.D
 Acq: 17 May 2019 01:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW100-190514

Tot Ion: 96 Resp: 17342
 Ion Ratio Lower Upper
 96 100
 61 141.9 0.0 324.0
 98 64.1 0.0 130.4



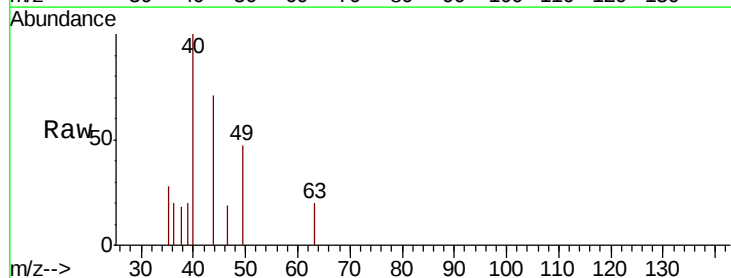
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



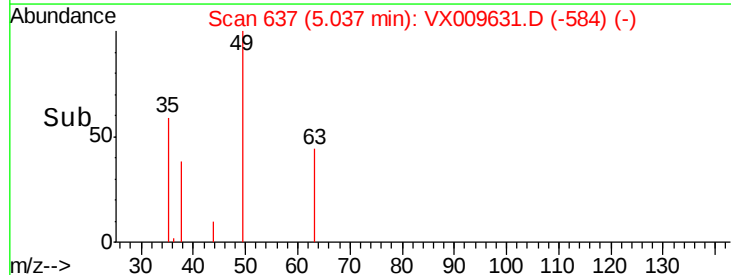
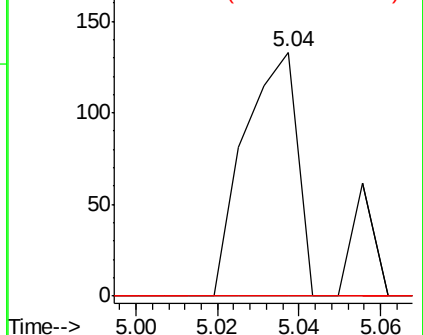
#28

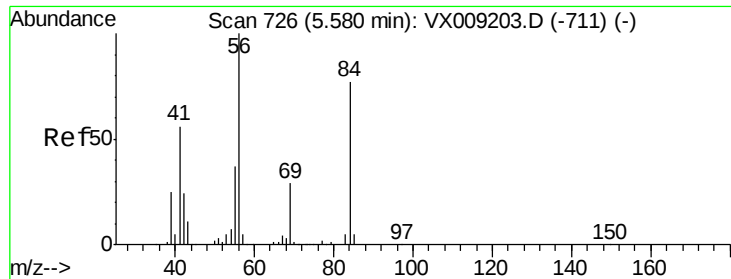
Bromochloromethane
 Concen: Below Cal
 RT: 5.04 min Scan# 637
 Delta R.T. 0.03 min
 Lab File: VX009631.D
 Acq: 17 May 2019 01:20

Tgt Ion: 49 Resp: 120
 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

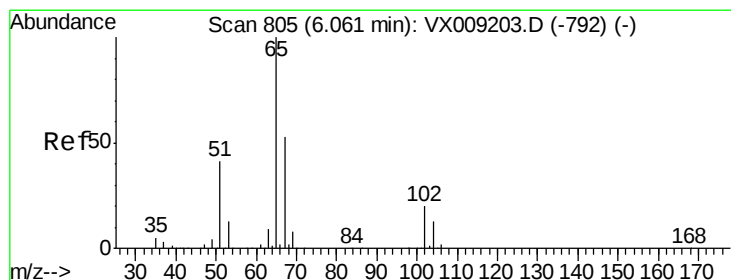
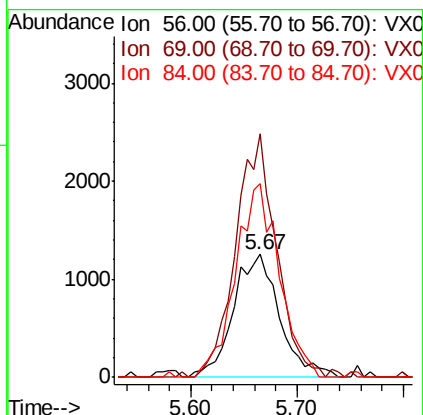
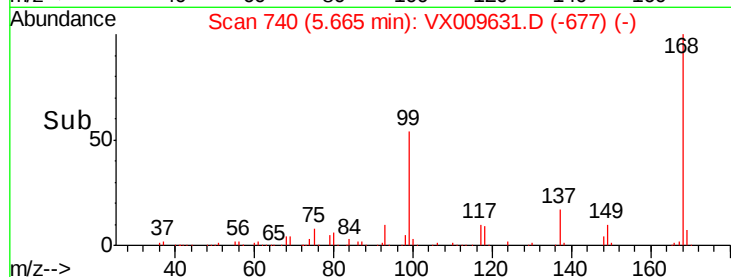
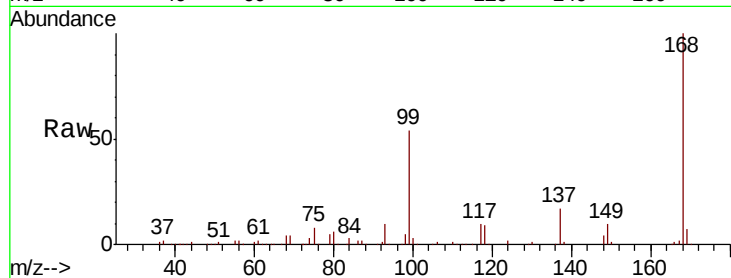




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009631.D
Acq: 17 May 2019 01:20

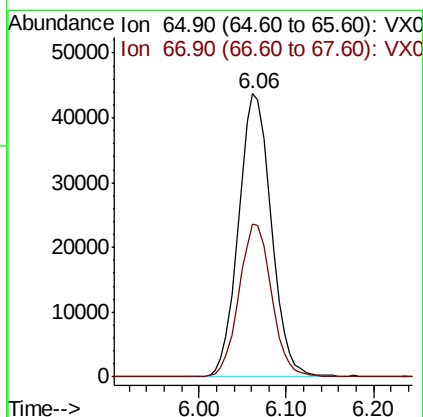
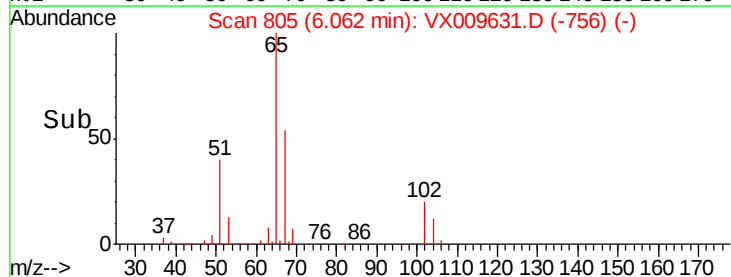
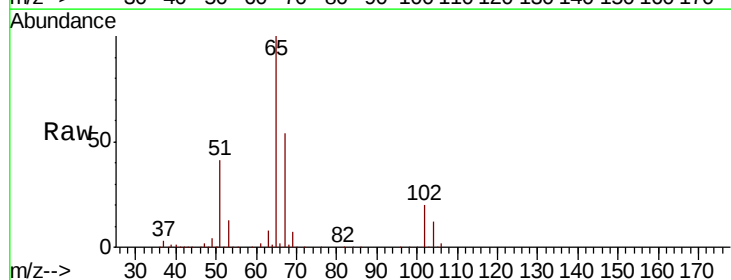
Instrument :
MSVOA_X
ClientSampleId :
SS052MW100-190514

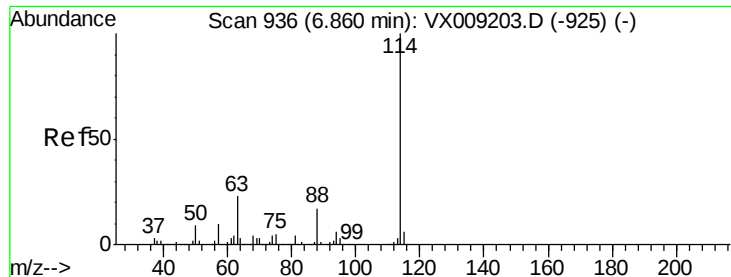
Tot Ion: 56 Resp: 3836
Ion Ratio Lower Upper
56 100
69 197.7 23.4 35.0#
84 157.8 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.444 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009631.D
Acq: 17 May 2019 01:20

Tgt Ion: 65 Resp: 114046
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-190514

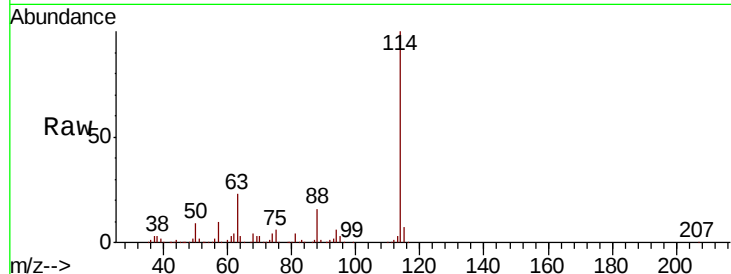
Tot Ion:114 Resp: 275218

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

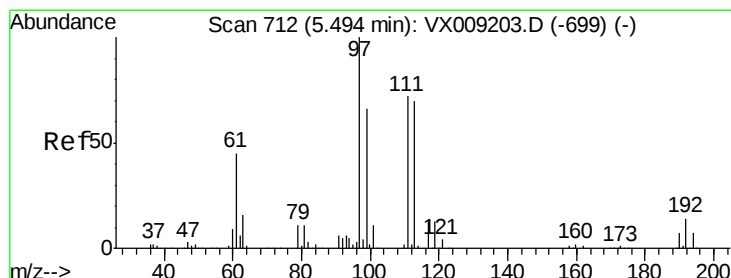
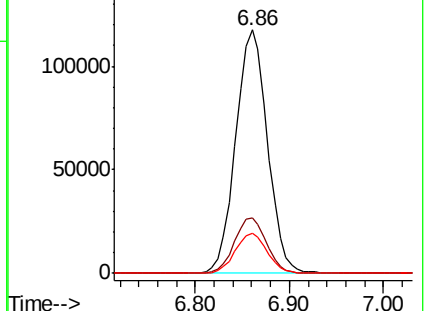
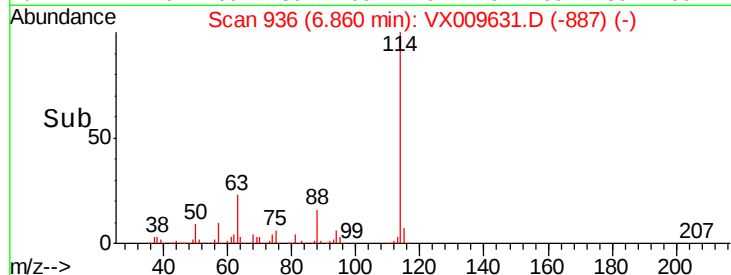
88 16.4 0.0 33.2



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: 48.854 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

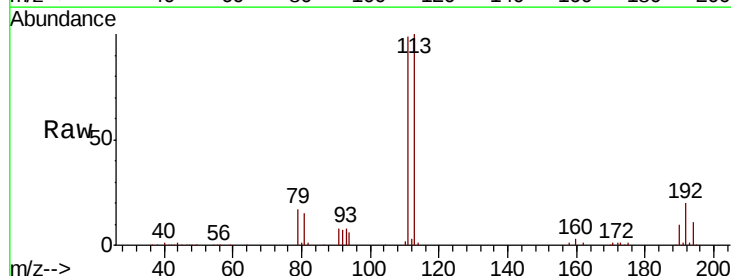
Tgt Ion:113 Resp: 84523

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

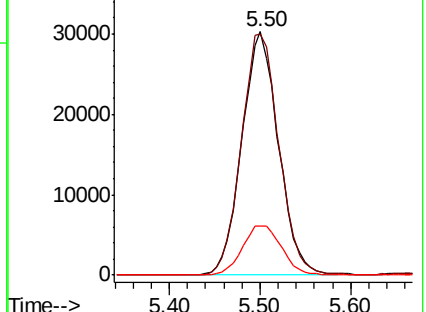
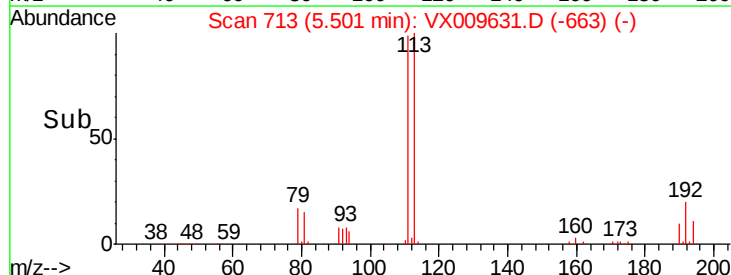
192 21.8 17.0 25.6

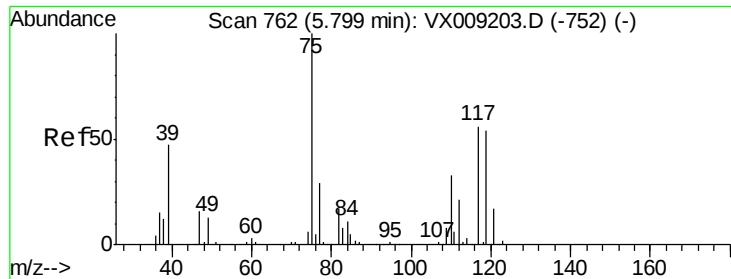


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

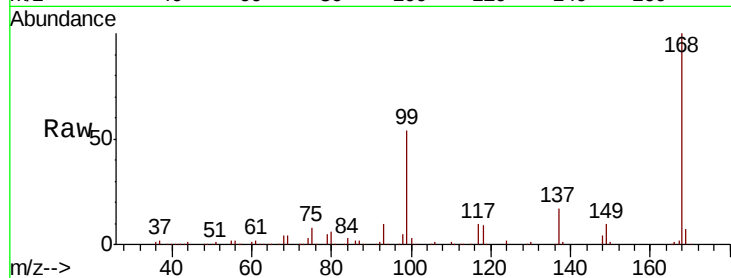




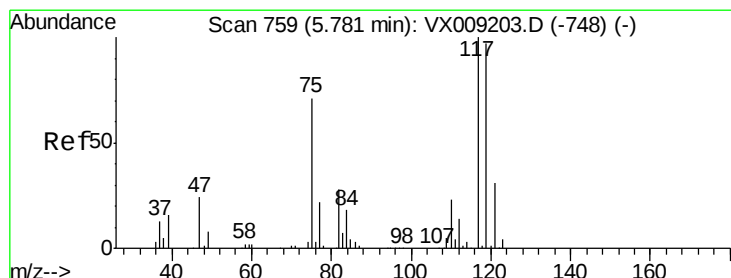
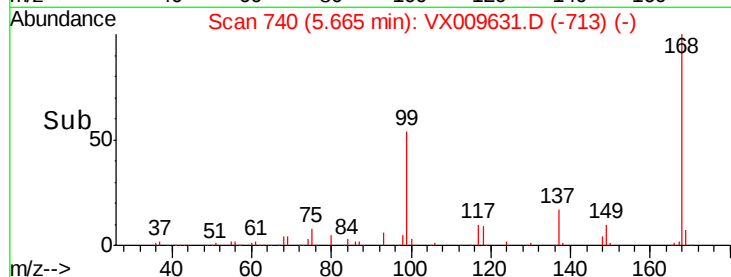
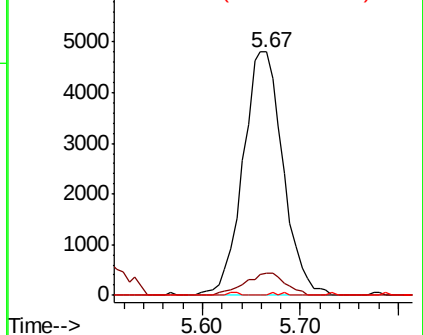
#36
 1,1-Dichloropropene
 Concen: 5.339 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009631.D
 Acq: 17 May 2019 01:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW100-190514

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.9	50.6#
77	0.1	24.8	37.2#

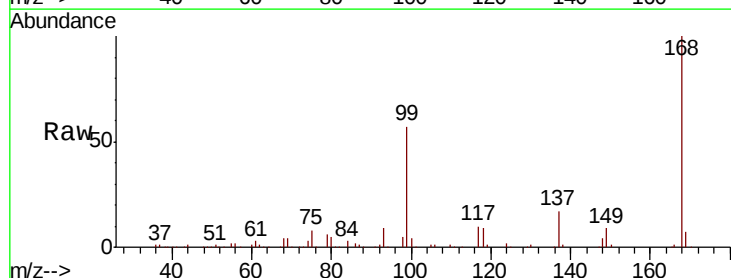


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

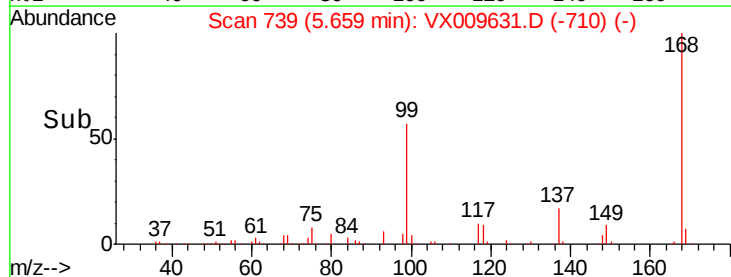
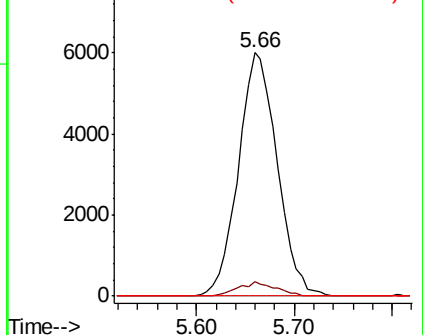


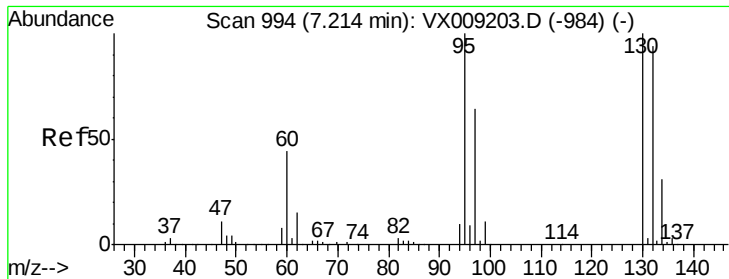
#38
 Carbon Tetrachloride
 Concen: 7.092 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009631.D
 Acq: 17 May 2019 01:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	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

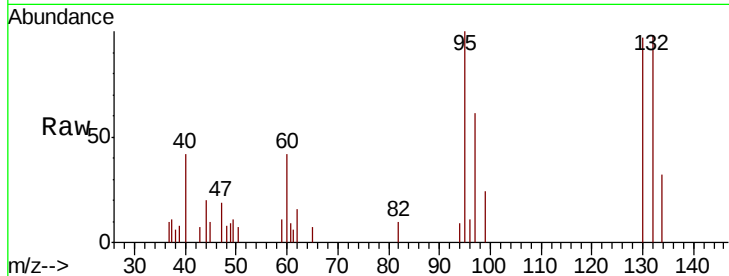




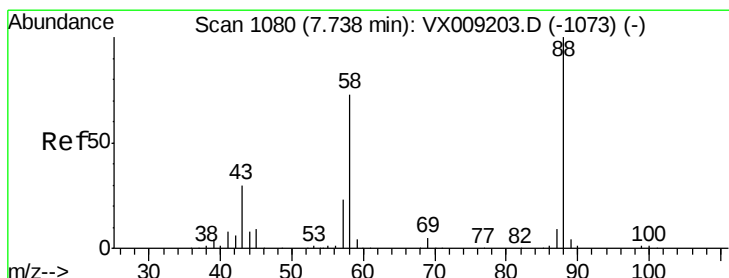
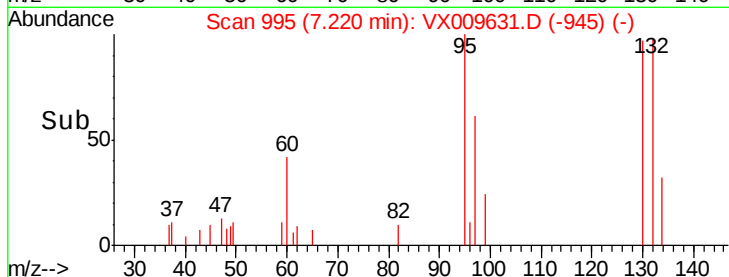
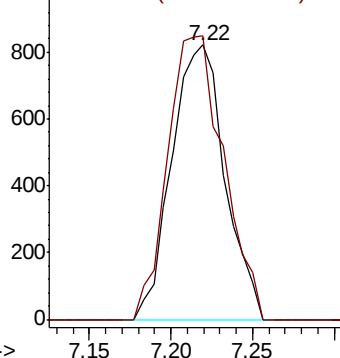
#44
 Trichloroethene
 Concen: 0.976 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX009631.D
 Acq: 17 May 2019 01:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW100-190514

Tot Ion:130 Resp: 1867
 Ion Ratio Lower Upper
 130 100
 95 103.2 0.0 199.2

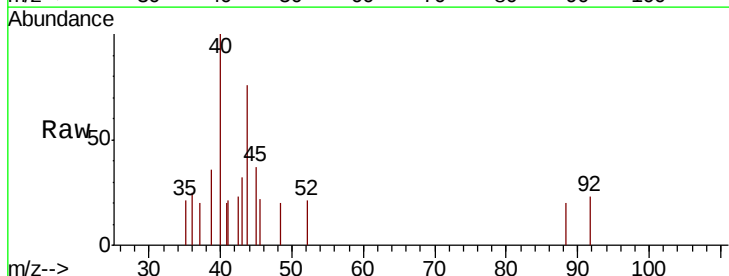


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

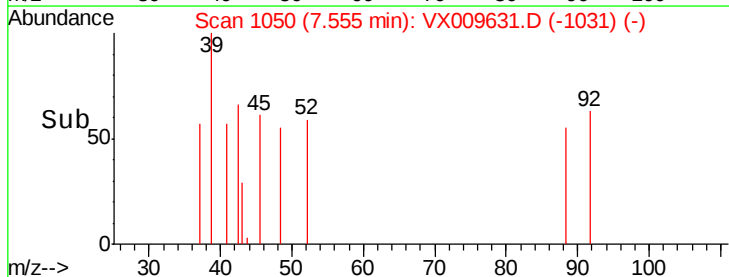
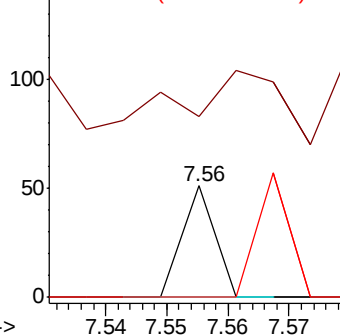


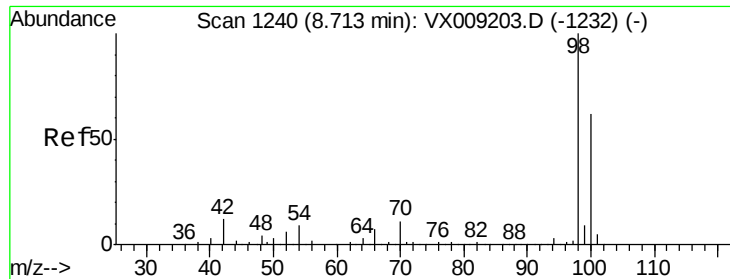
#49
 1,4-Dioxane
 Concen: 0.331 ug/l
 RT: 7.56 min Scan# 1050
 Delta R.T. -0.18 min
 Lab File: VX009631.D
 Acq: 17 May 2019 01:20

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.6 42.8#
 58 110.5 61.7 92.5#



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

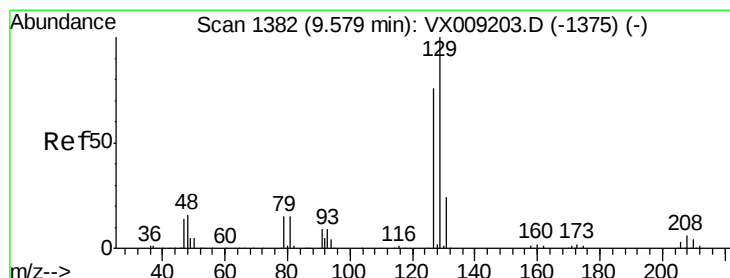
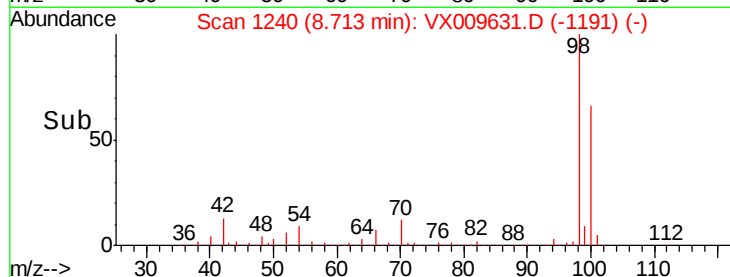
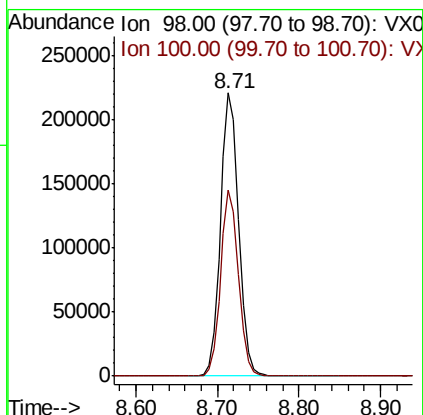
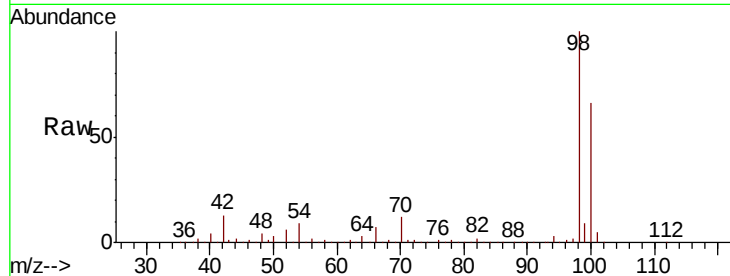




#50
Toluene-d8
Concen: 49.125 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009631.D
Acq: 17 May 2019 01:20

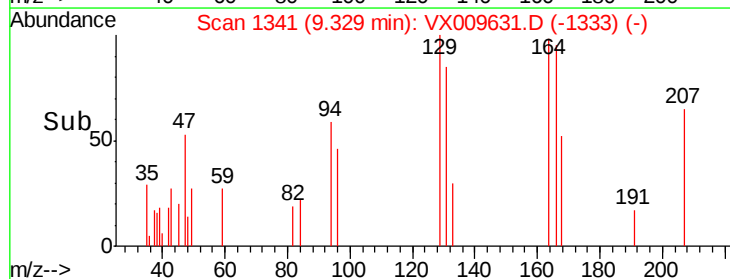
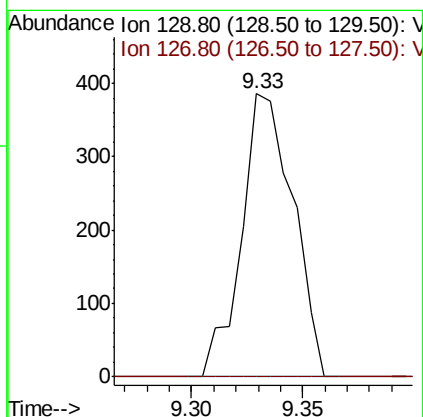
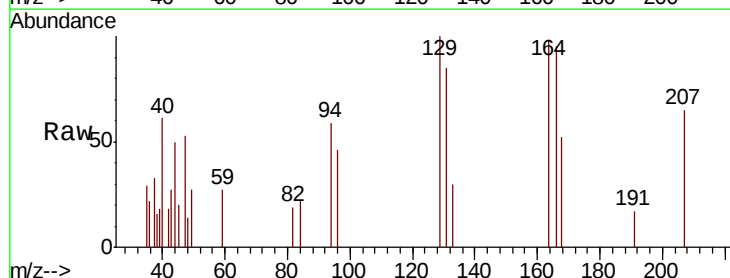
Instrument :
MSVOA_X
ClientSampleId :
SS052MW100-190514

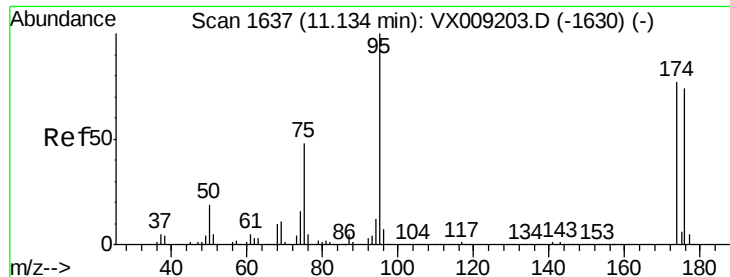
Tot Ion: 98 Resp: 343137
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#60
Dibromochloromethane
Concen: 0.323 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.25 min
Lab File: VX009631.D
Acq: 17 May 2019 01:20

Tgt Ion: 129 Resp: 620
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 43.432 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-190514

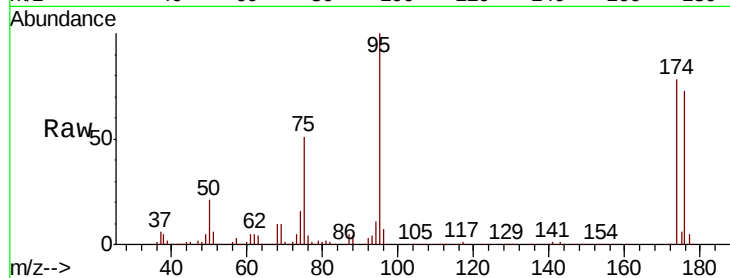
Tot Ion: 95 Resp: 110234

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

176 80.0 0.0 159.2

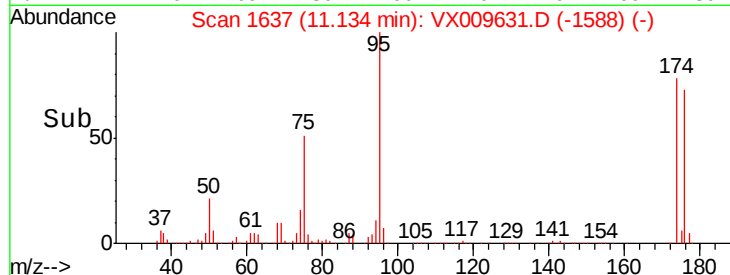


Abundance Ion 94.90 (94.60 to 95.60): VX009631.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009631.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009631.D (-1588) (-)

Time-->



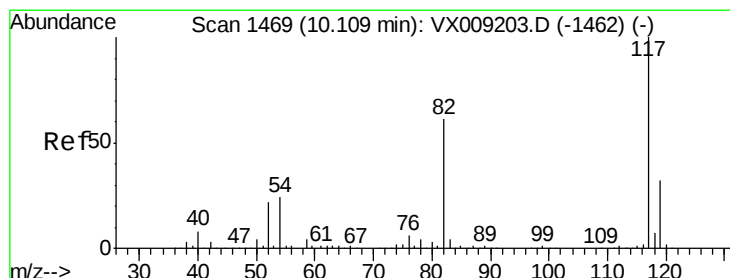
Abundance

Ion 94.90 (94.60 to 95.60): VX009631.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009631.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009631.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

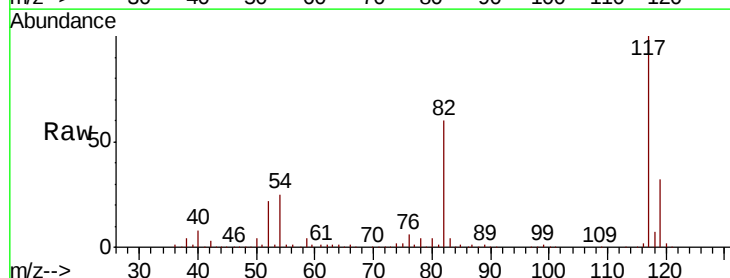
Tgt Ion: 117 Resp: 238530

Ion Ratio Lower Upper

117 100

82 60.4 48.8 73.2

119 32.4 25.8 38.6

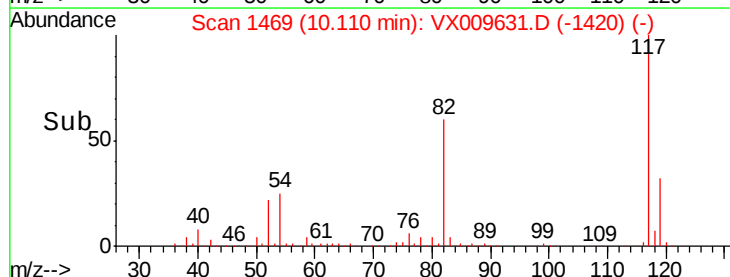


Abundance Ion 116.90 (116.60 to 117.60): VX009631.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009631.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009631.D (-1420) (-)

Time-->



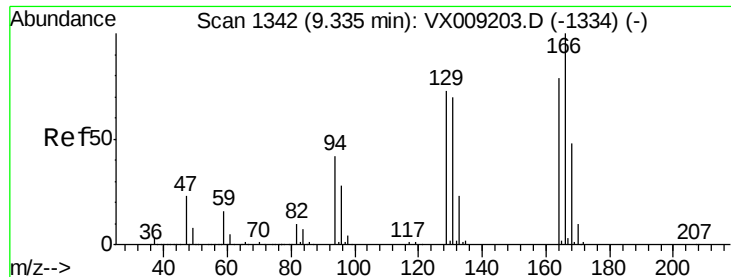
Abundance

Ion 116.90 (116.60 to 117.60): VX009631.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009631.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009631.D (-1420) (-)

Time-->



#64

Tetrachloroethene

Concen: 0.378 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW100-190514

Tot Ion:164 Resp: 618

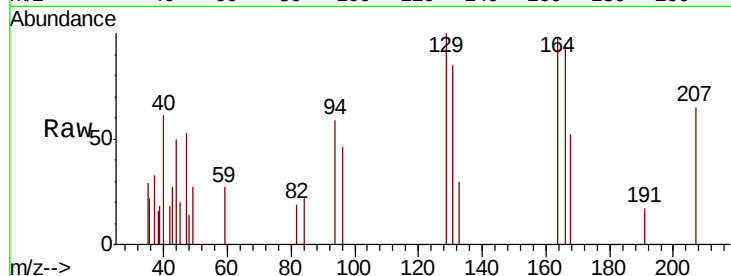
Ion Ratio Lower Upper

164 100

166 96.8 101.2 151.8#

129 102.1 74.3 111.5

131 87.3 71.0 106.6



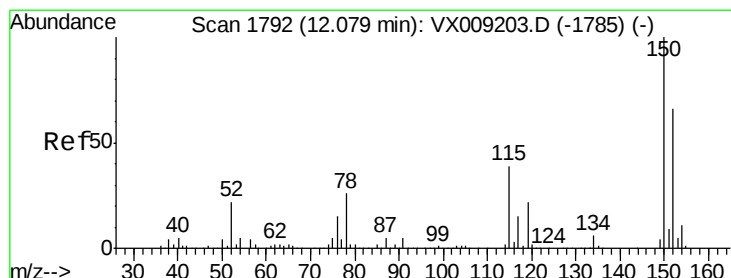
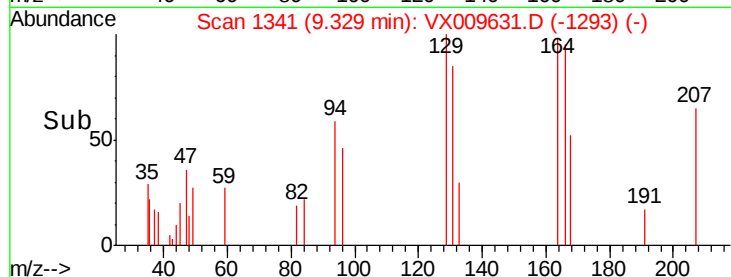
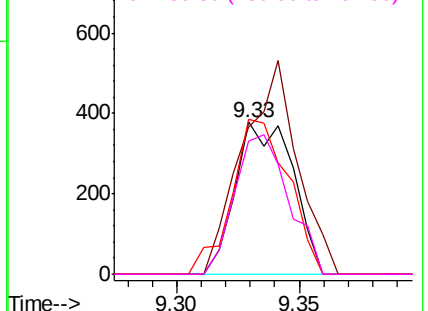
Abundance

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: VX009631.D

Acq: 17 May 2019 01:20

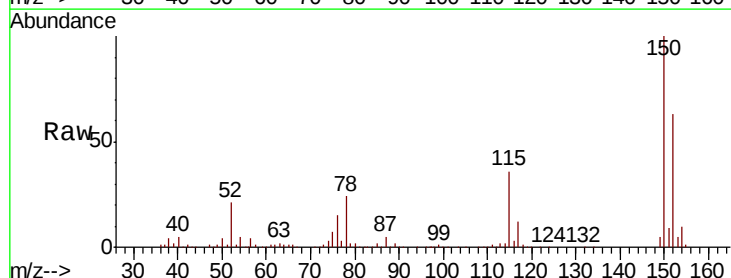
Tgt Ion:152 Resp: 97367

Ion Ratio Lower Upper

152 100

115 59.3 41.2 123.6

150 158.5 0.0 346.4

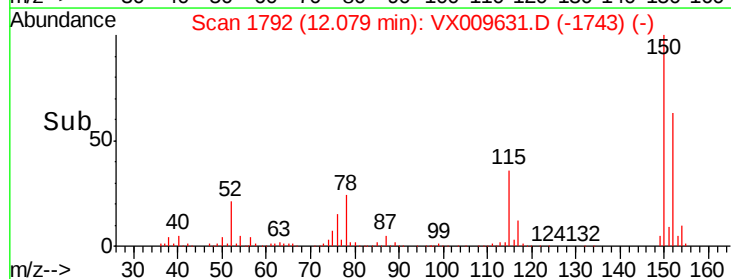
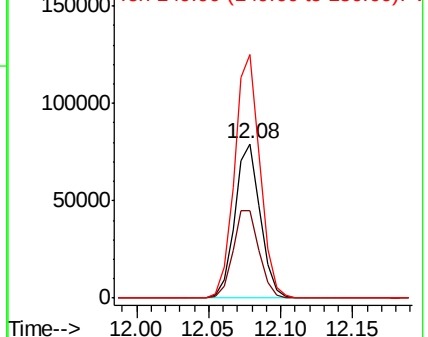


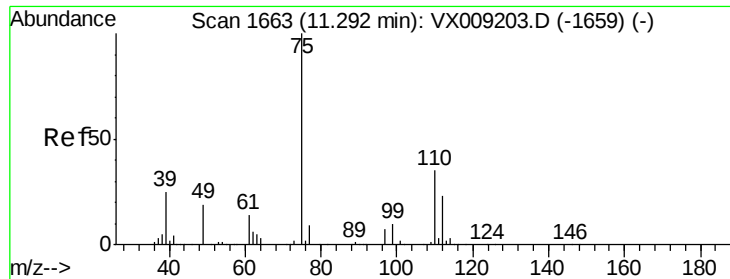
Abundance

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: 25.131 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

Instrument :

MSVOA_X

ClientSampleId :

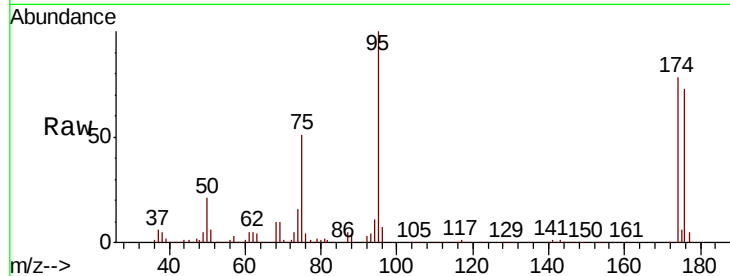
SS052MW100-190514

Tot Ion: 75 Resp: 56760

Ion Ratio Lower Upper

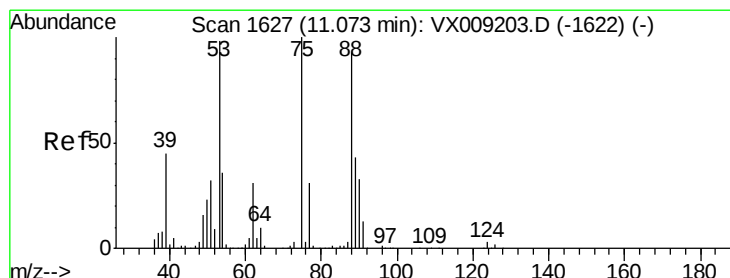
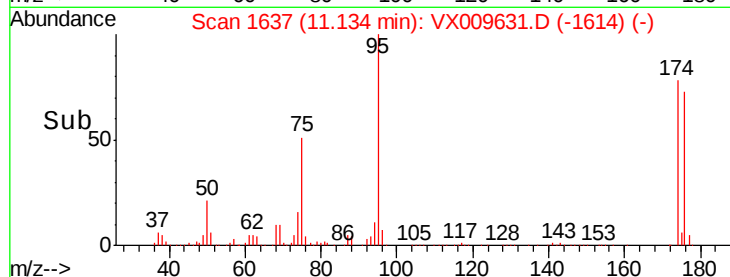
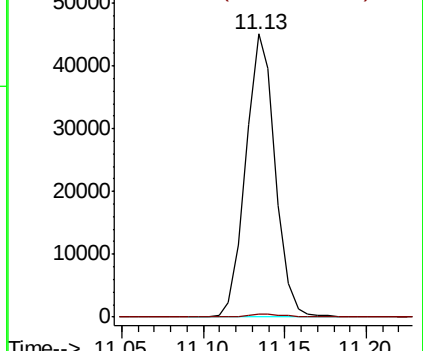
75 100

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: 64.301 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009631.D

Acq: 17 May 2019 01:20

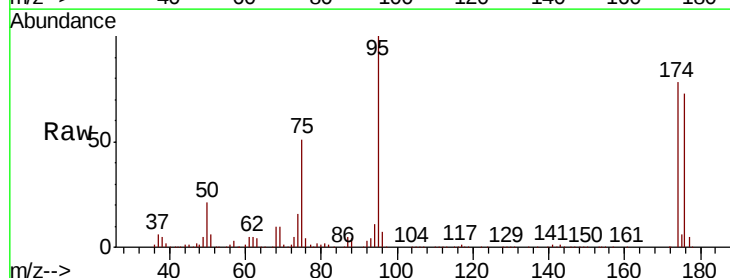
Tgt Ion: 75 Resp: 56760

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

