

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009495.D
 Acq On : 10 May 2019 20:50
 Operator : JC/SP
 Sample : K2783-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW720-190508

Quant Time: May 11 03:32:02 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	180099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	116178	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	5.50	113	87946	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.71	98	356780	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.13	95	116508	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

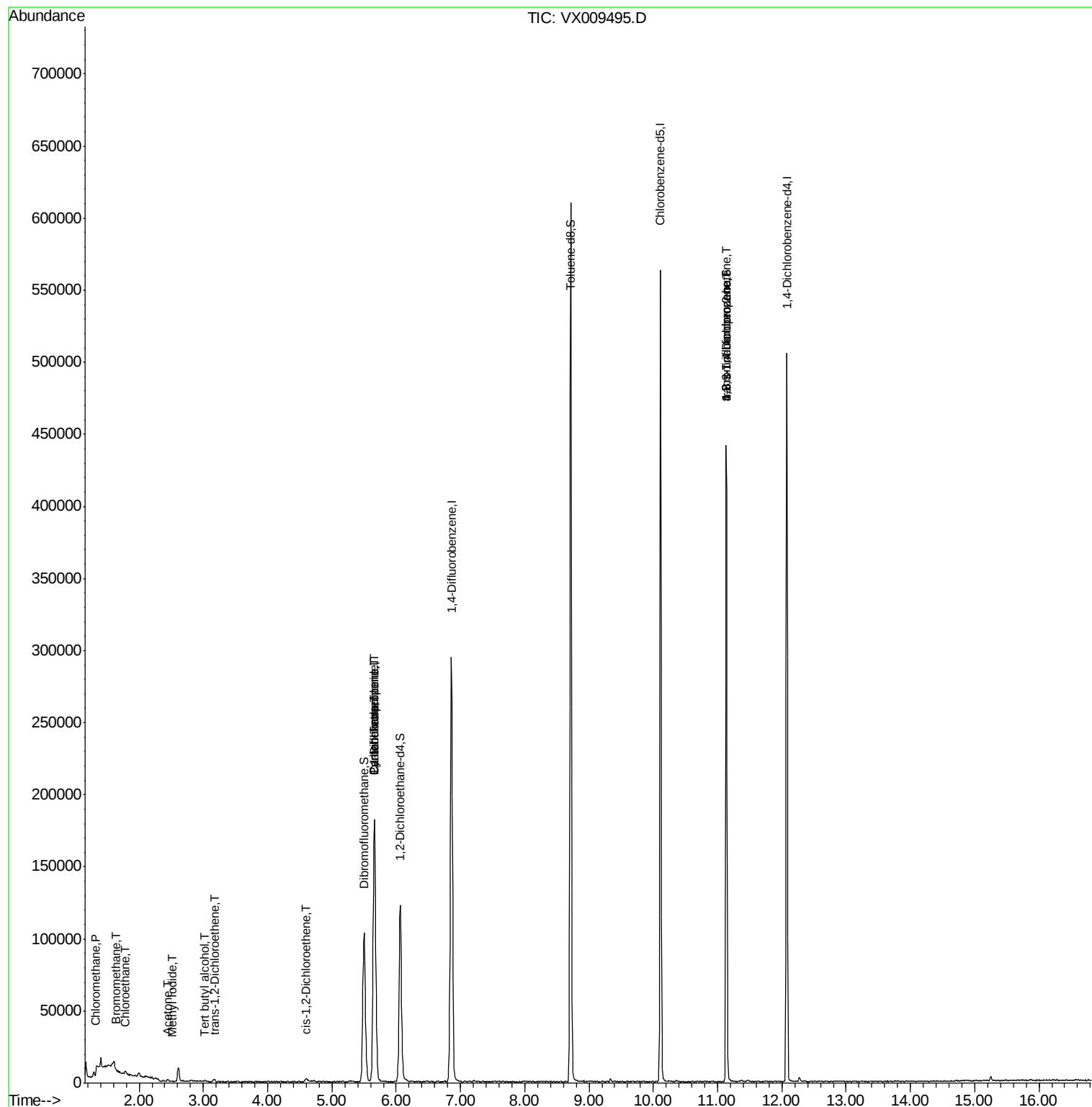
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	759	0.335	ug/l #	85
5) Bromomethane	1.64	94	272	0.205	ug/l	90
6) Chloroethane	1.78	64	360	0.254	ug/l #	66
10) Methyl Iodide	2.51	142	91	4.636	ug/l #	42
11) Tert butyl alcohol	3.01	59	775	1.362	ug/l #	79
16) Acetone	2.45	43	1446	1.095	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	431	0.235	ug/l #	69
27) cis-1,2-Dichloroethene	4.60	96	1243	0.568	ug/l	86
28) Bromochloromethane	5.09	49	40	Below Cal	#	20
31) Cyclohexane	5.67	56	3989	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13581	5.067	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16563	6.801	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	59716	24.536	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59716	62.779	ug/l #	10

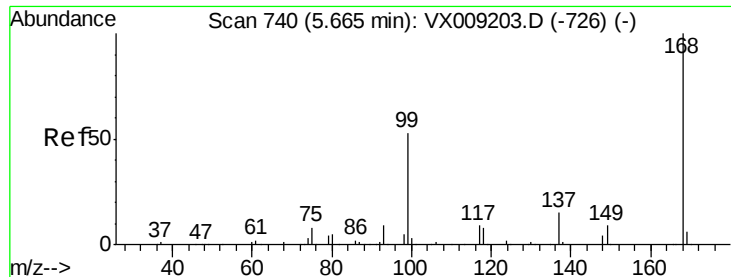
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009495.D

Acq: 10 May 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

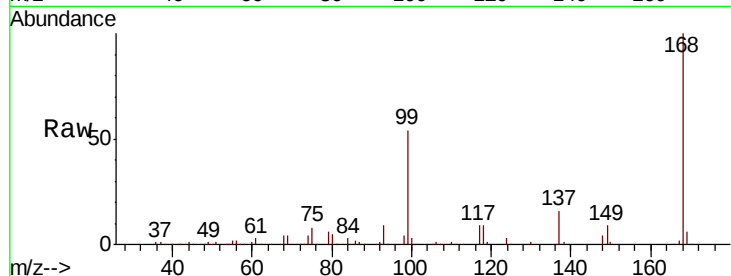
SS052MW720-190508

Tot Ion:168 Resp: 180099

Ion Ratio Lower Upper

168 100

99 53.5 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

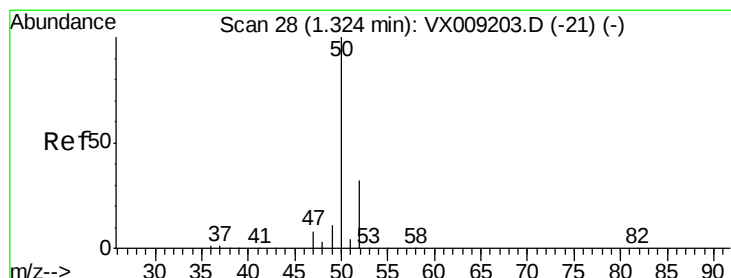
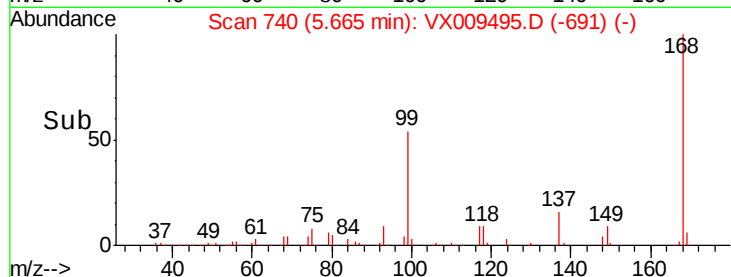
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.335 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009495.D

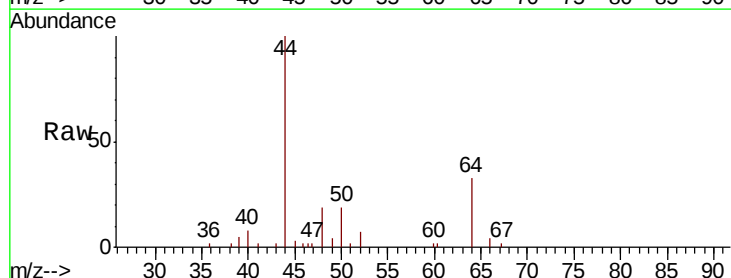
Acq: 10 May 2019 20:50

Tgt Ion: 50 Resp: 759

Ion Ratio Lower Upper

50 100

52 40.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

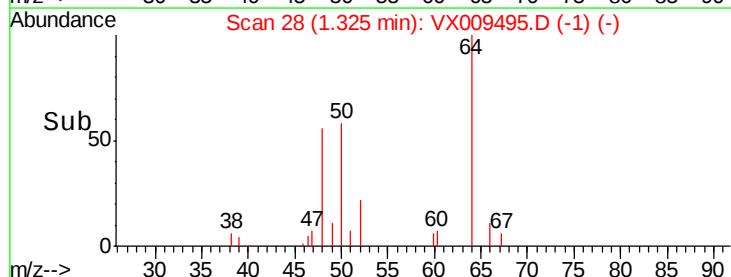
600

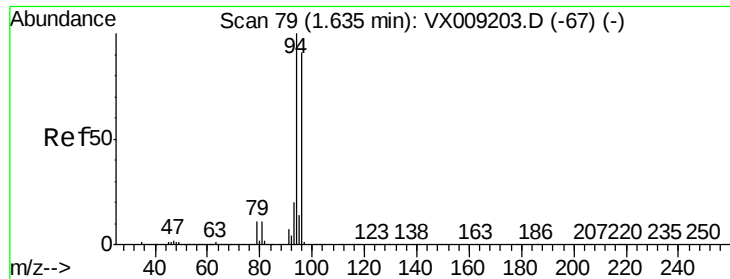
400

200

0

Time-->





#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009495.D

Acq: 10 May 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

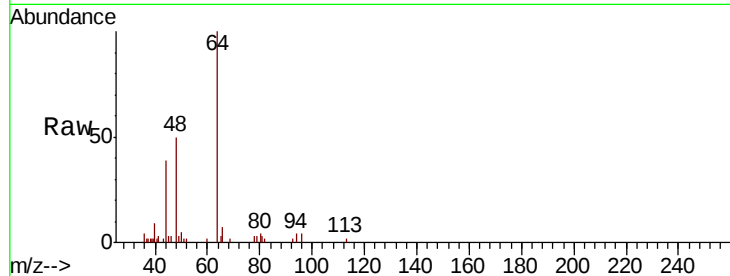
SS052MW720-190508

Tot Ion: 94 Resp: 272

Ion Ratio Lower Upper

94 100

96 82.1 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

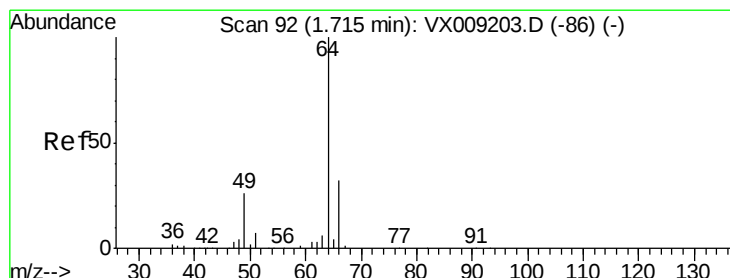
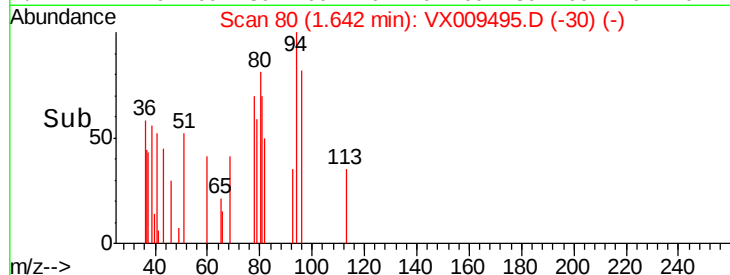
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.254 ug/l

RT: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX009495.D

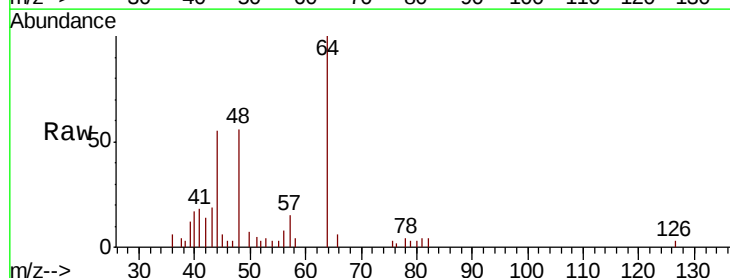
Acq: 10 May 2019 20:50

Tgt Ion: 64 Resp: 360

Ion Ratio Lower Upper

64 100

66 12.6 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.78

2000

1500

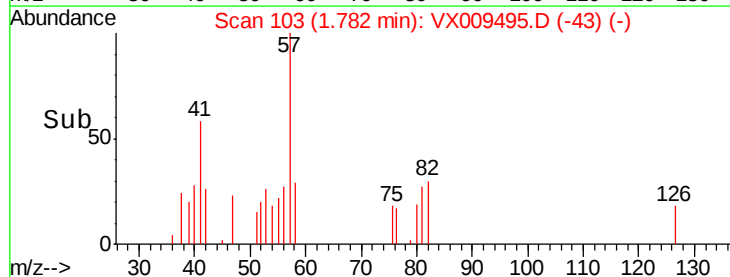
1000

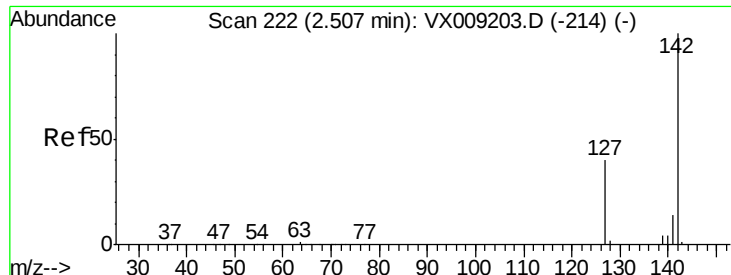
500

0

1.78 1.80

Time-->

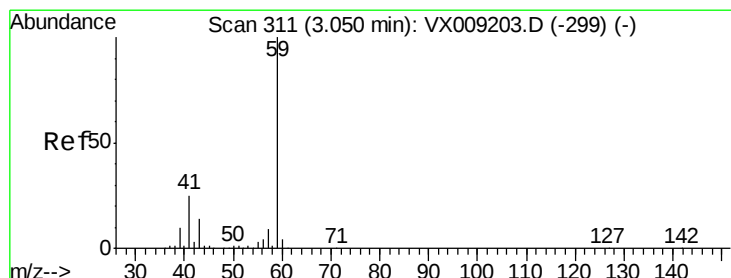
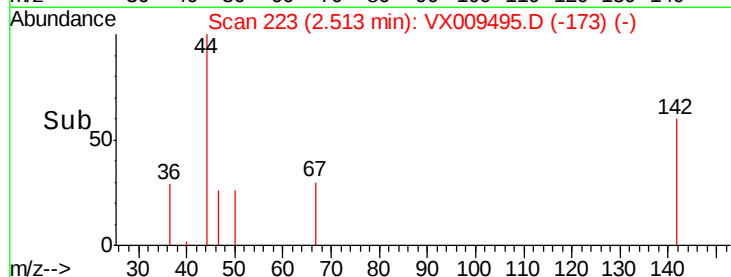
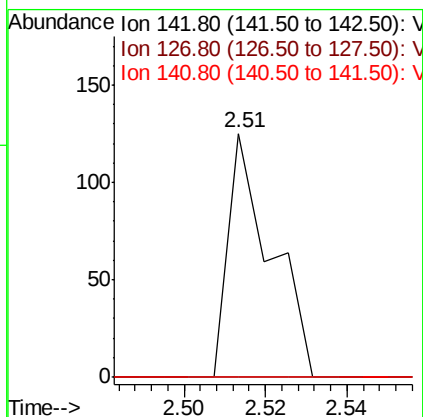
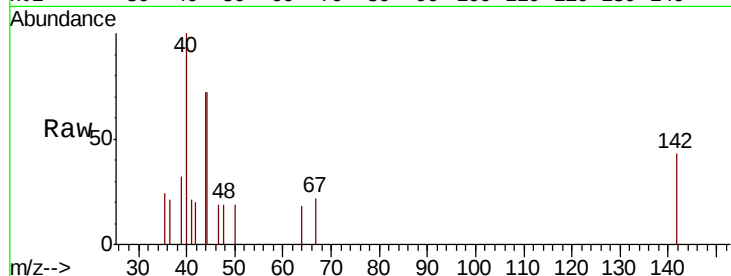




#10
Methvl Iodide
Concen: 4.636 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009495.D
Acq: 10 May 2019 20:50

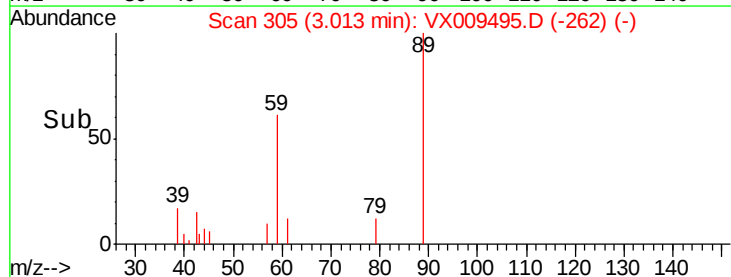
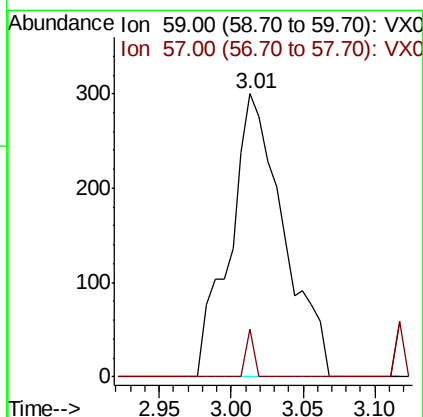
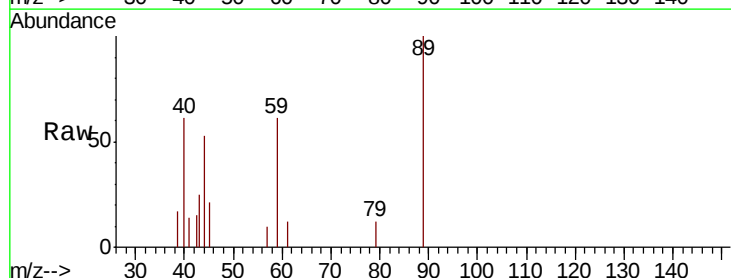
Instrument :
MSVOA_X
ClientSampleId :
SS052MW720-190508

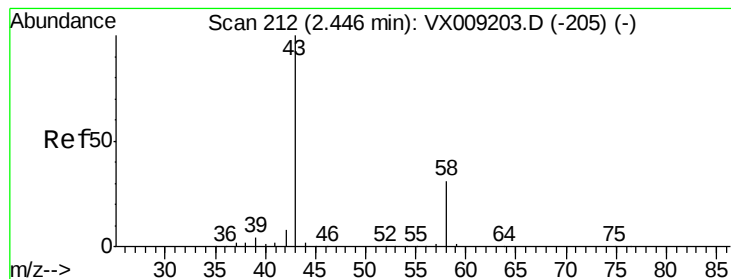
Tot Ion:142 Resp: 91
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.362 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009495.D
Acq: 10 May 2019 20:50

Tgt Ion: 59 Resp: 775
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.2#





#16

Acetone

Concen: 1.095 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009495.D

Acq: 10 May 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

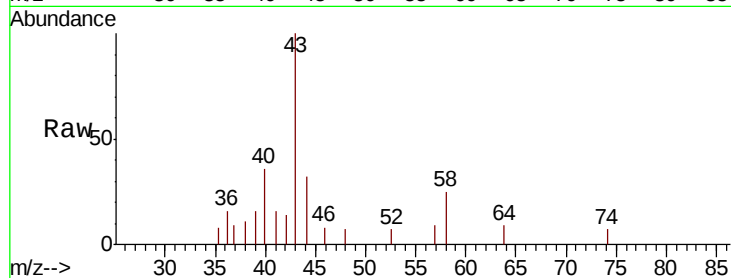
SS052MW720-190508

Tot Ion: 43 Resp: 1446

Ion Ratio Lower Upper

43 100

58 25.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

600

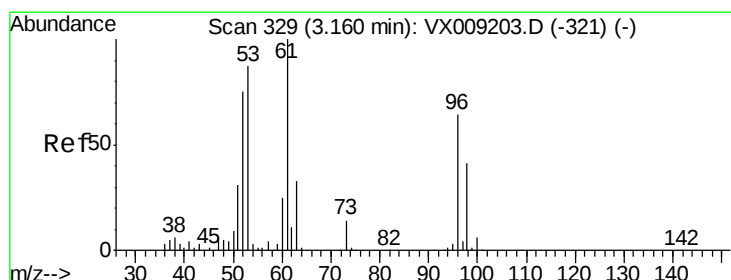
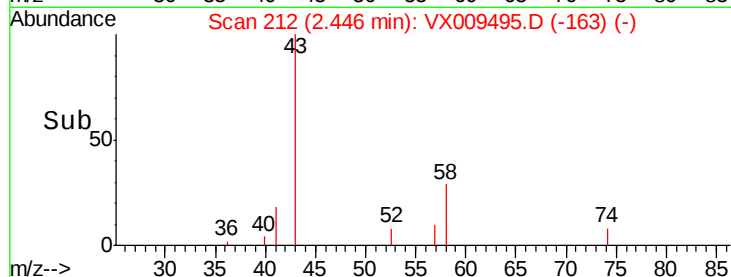
400

200

0

2.40 2.45 2.50

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.235 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009495.D

Acq: 10 May 2019 20:50

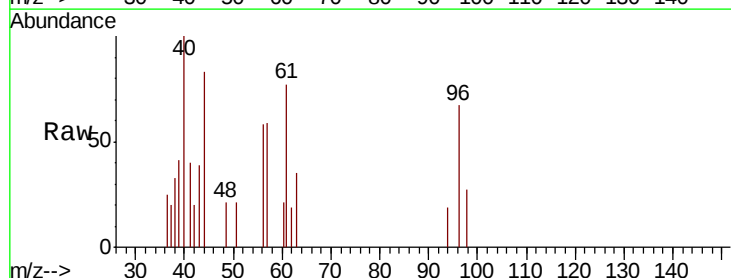
Tgt Ion: 96 Resp: 431

Ion Ratio Lower Upper

96 100

61 115.3 124.5 186.7#

98 39.8 50.4 75.6#



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

300

250

200

150

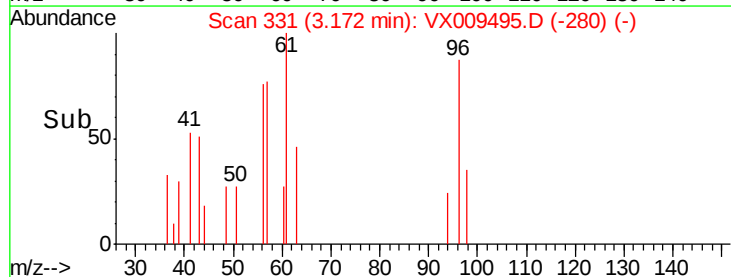
100

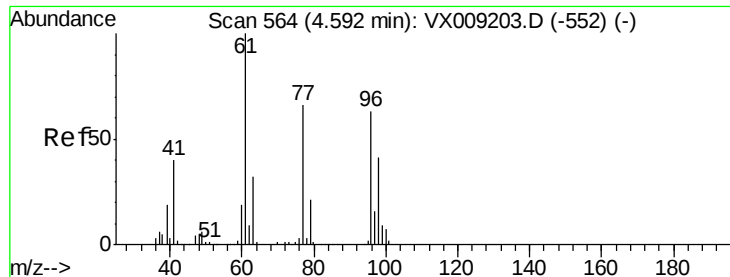
50

0

3.10 3.15 3.20

Time-->



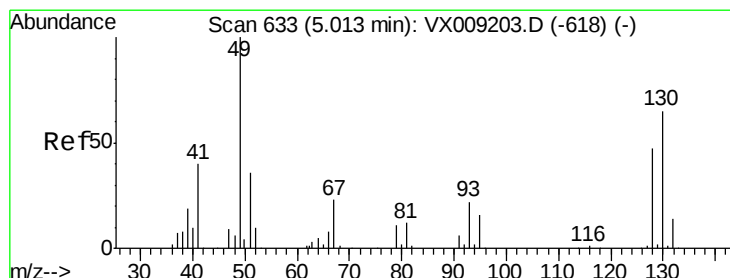
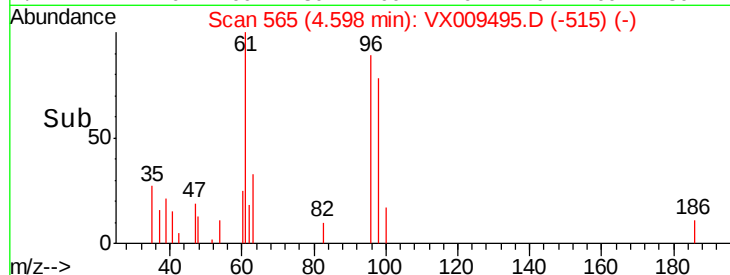
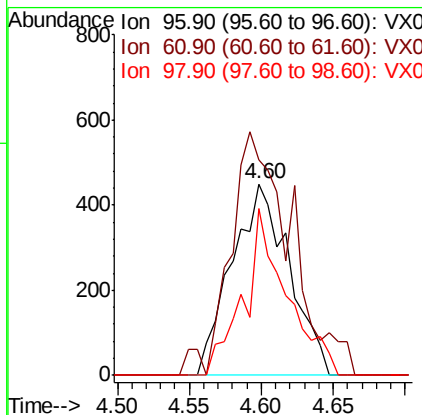
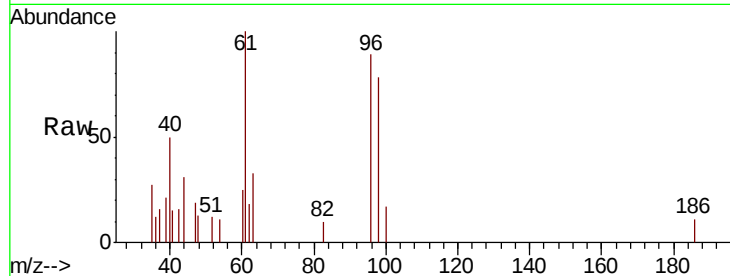


#27

cis-1,2-Dichloroethene
 Concen: 0.568 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW720-190508

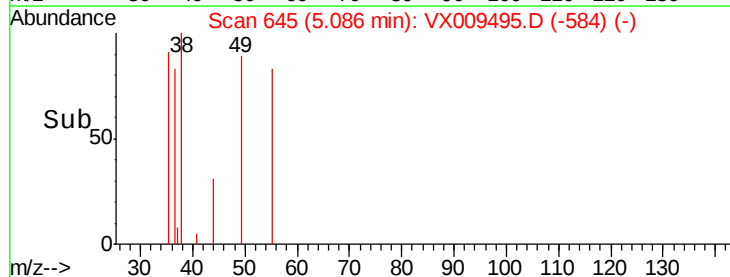
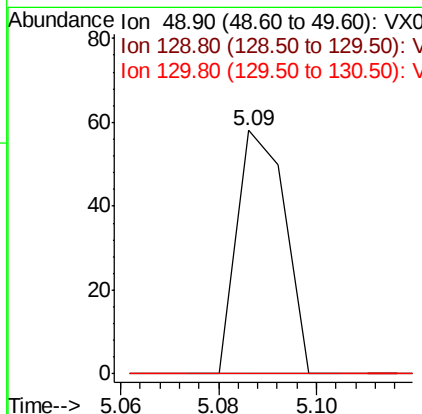
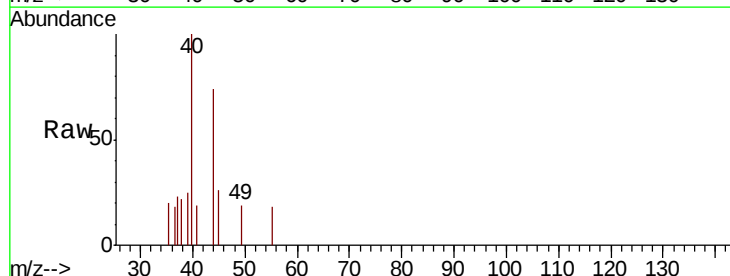
Tot Ion: 96 Resp: 1243
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 324.0
 98 65.2 0.0 130.4

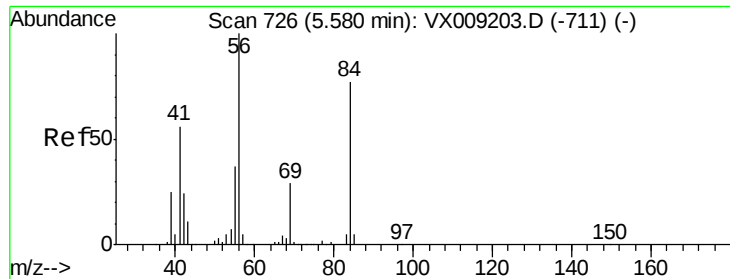


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.09 min Scan# 645
 Delta R.T. 0.07 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

Tgt Ion: 49 Resp: 40
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 51.2 76.8#

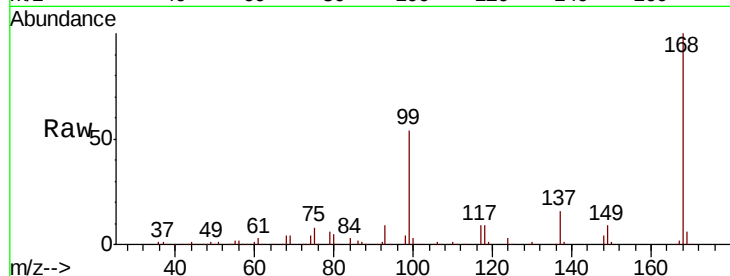




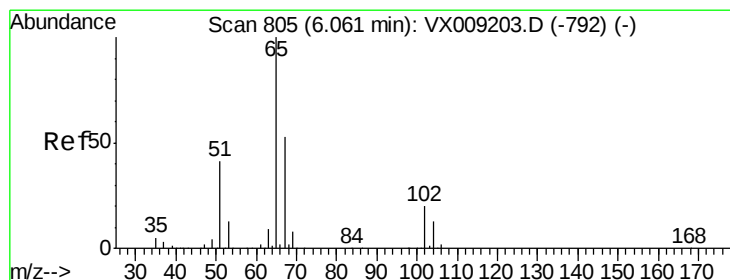
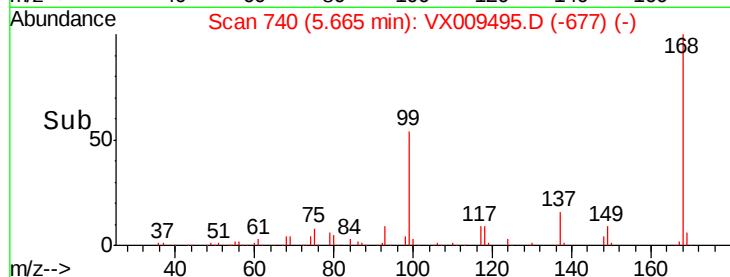
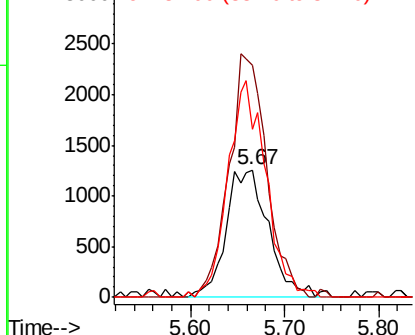
#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009495.D
Acq: 10 May 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
SS052MW720-190508

Tot Ion: 56 Resp: 3989
Ion Ratio Lower Upper
56 100
69 181.4 23.4 35.0#
84 131.4 61.9 92.9#

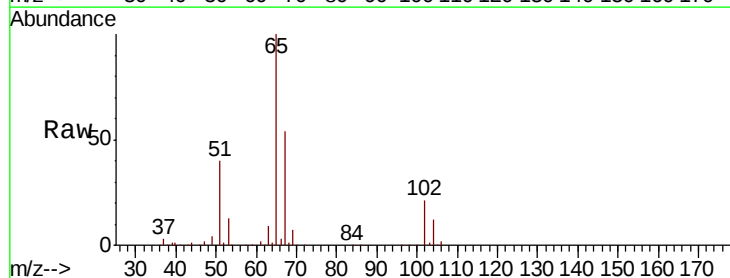


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

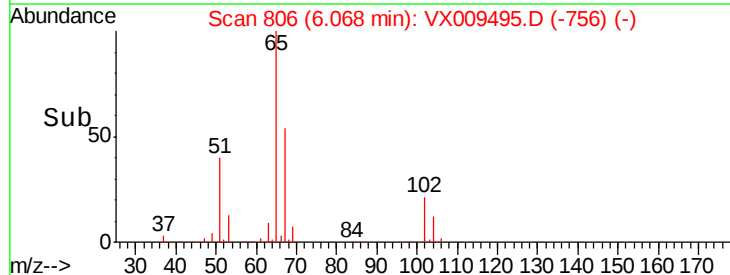
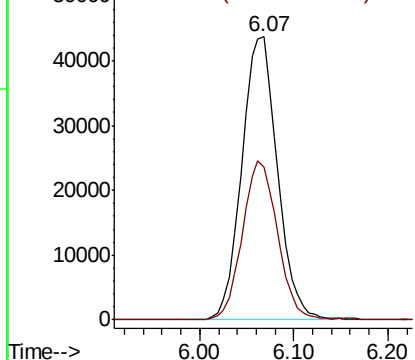


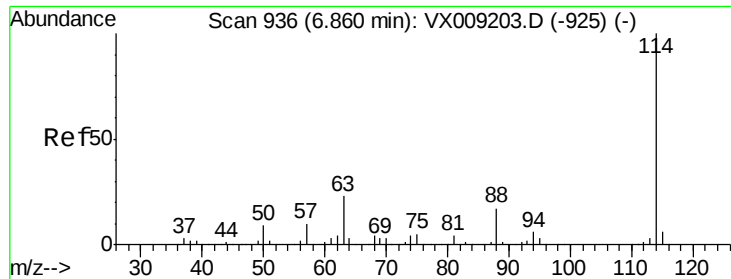
#33
1,2-Dichloroethane-d4
Concen: 47.254 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009495.D
Acq: 10 May 2019 20:50

Tgt Ion: 65 Resp: 116178
Ion Ratio Lower Upper
65 100
67 55.1 0.0 106.6



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

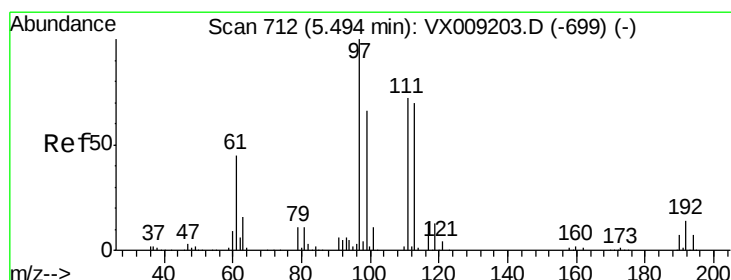
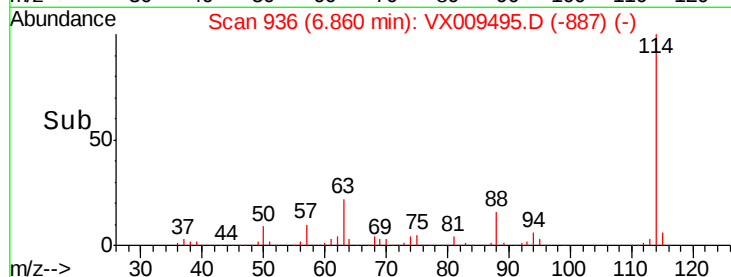
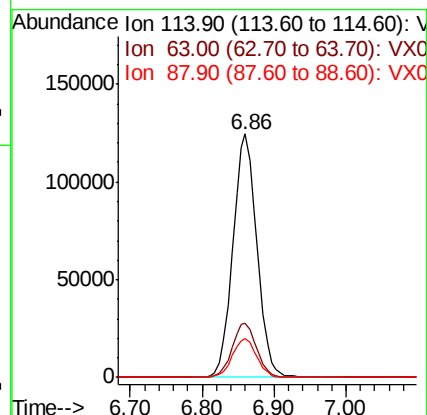
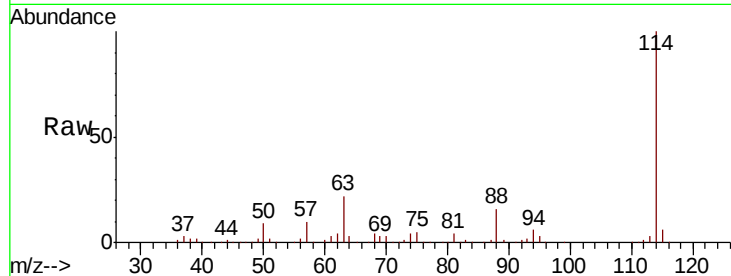




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

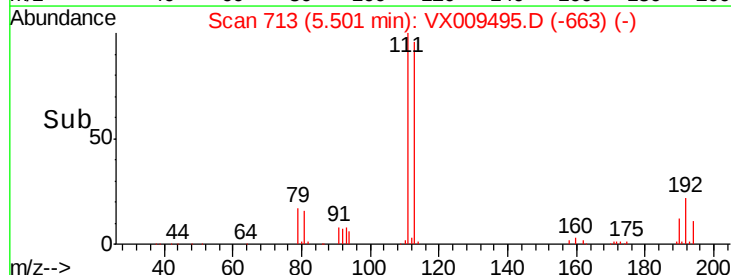
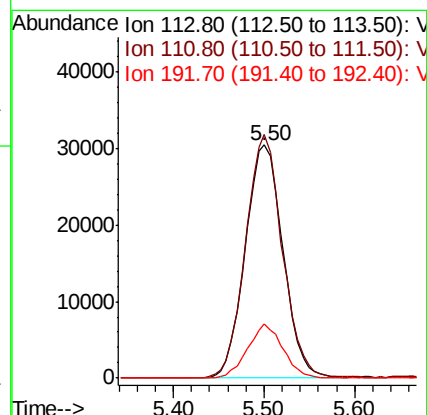
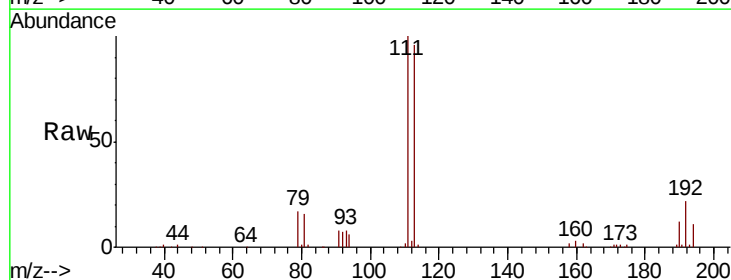
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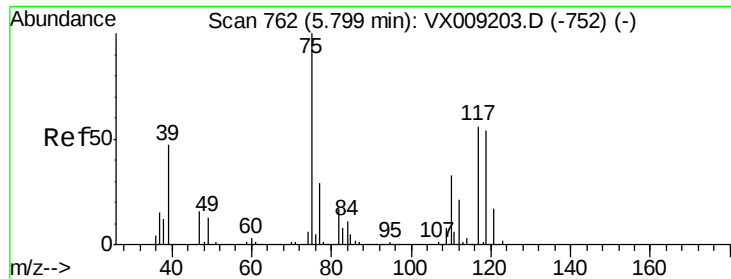
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.6
88	15.9	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.503 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.8	124.2
192	21.7	17.0	25.6

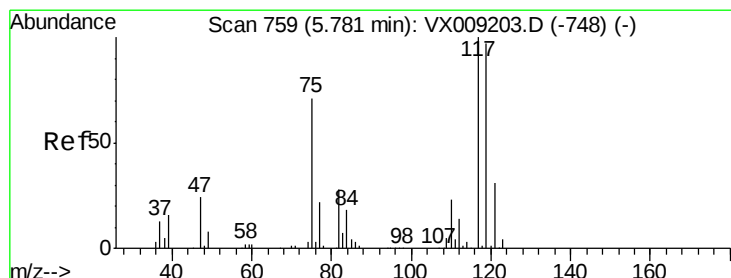
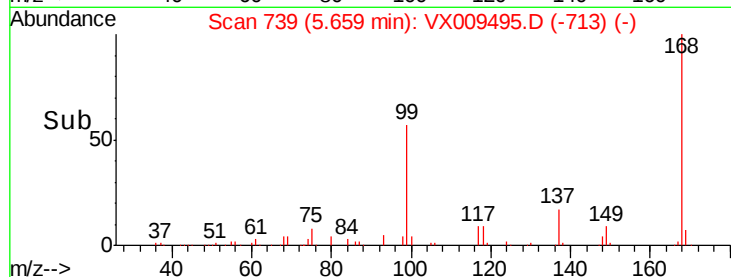
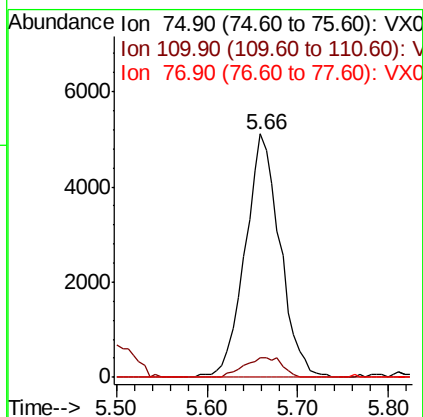
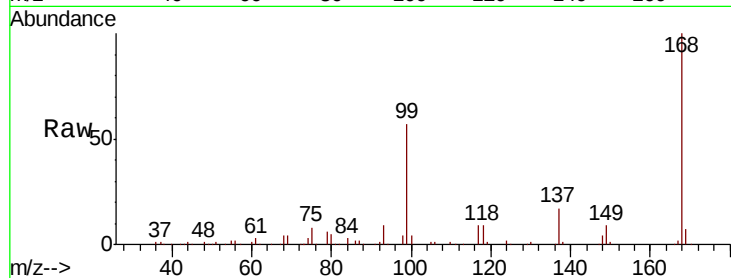




#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

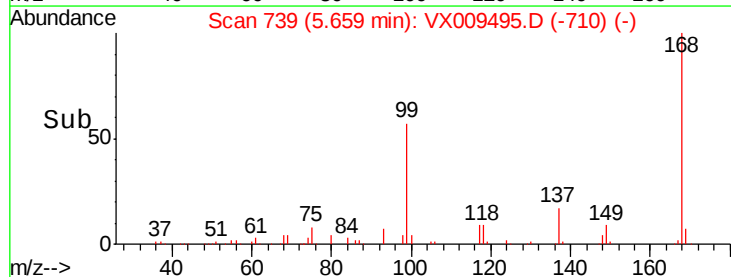
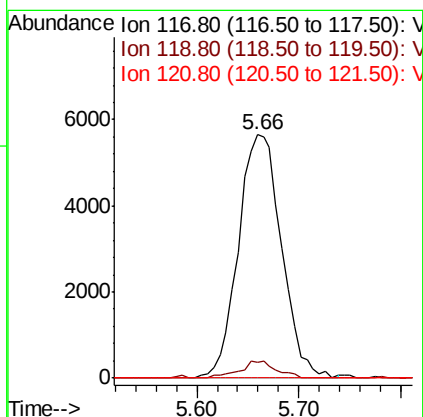
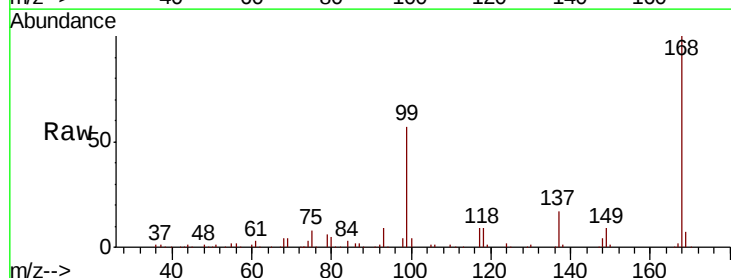
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW720-190508

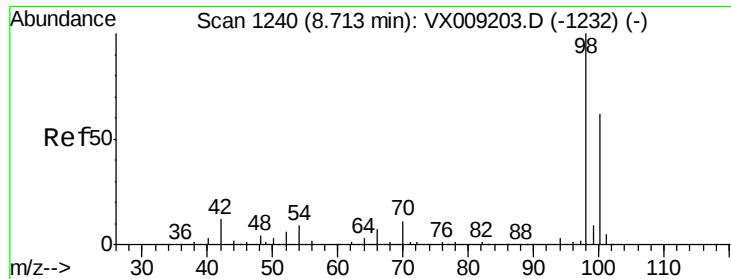
Tot Ion: 75 Resp: 13581
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.801 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

Tgt Ion: 117 Resp: 16563
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.5 116.3#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 48.738 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009495.D

Acq: 10 May 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

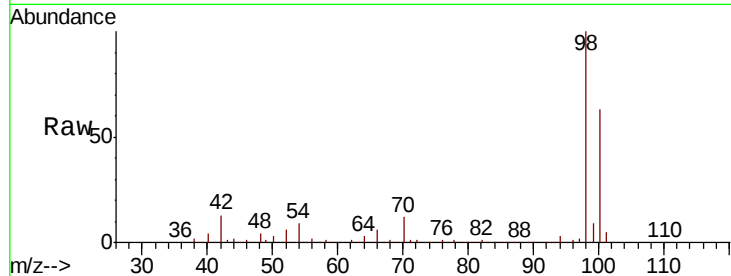
SS052MW720-190508

Tot Ion: 98 Resp: 356780

Ion Ratio Lower Upper

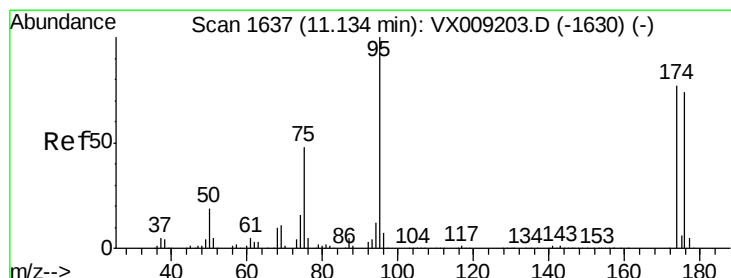
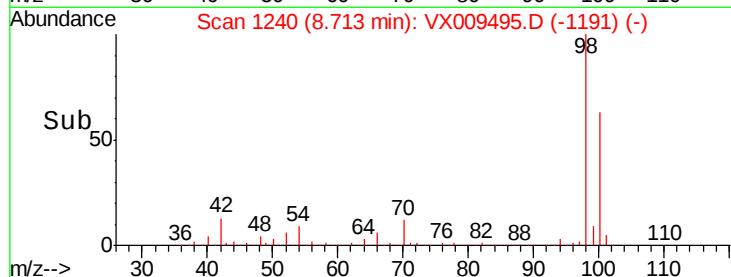
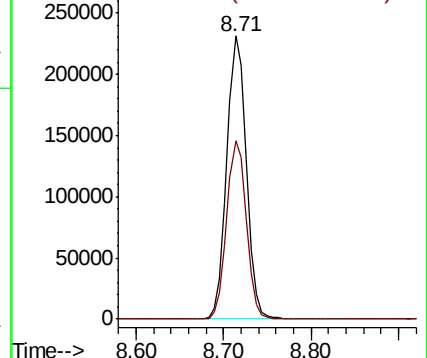
98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.801 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009495.D

Acq: 10 May 2019 20:50

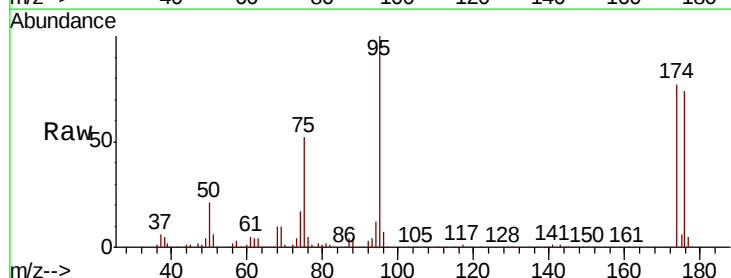
Tgt Ion: 95 Resp: 116508

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

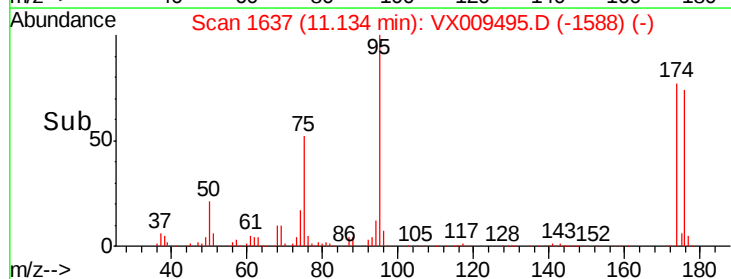
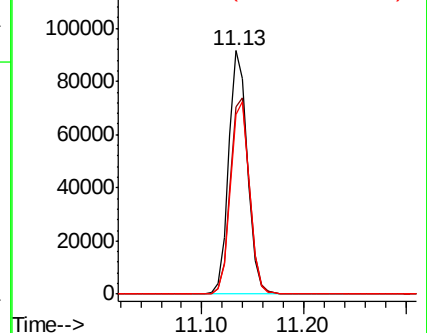
176 80.0 0.0 159.2

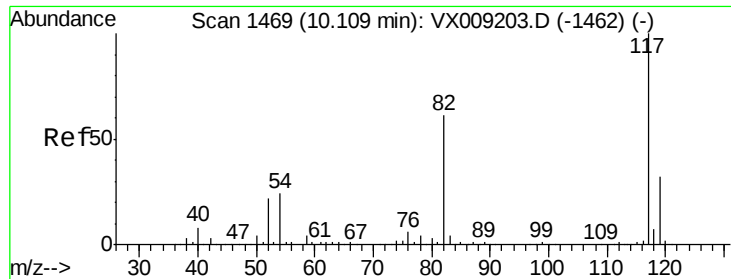


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

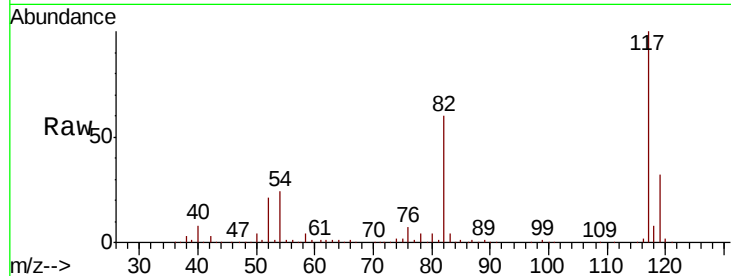




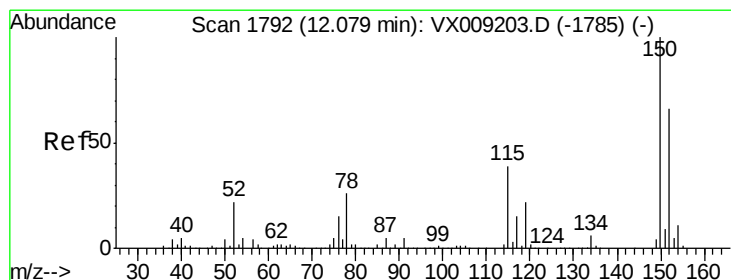
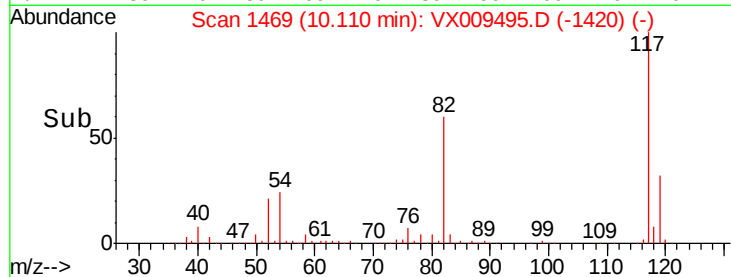
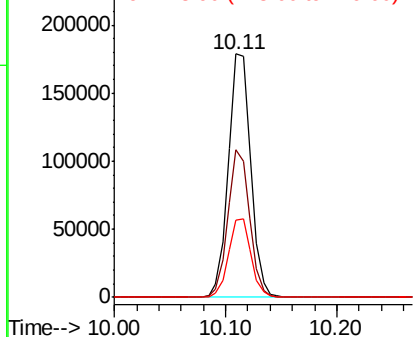
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009495.D
Acq: 10 May 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
SS052MW720-190508

Tot Ion:117 Resp: 249265
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 31.9 25.8 38.6

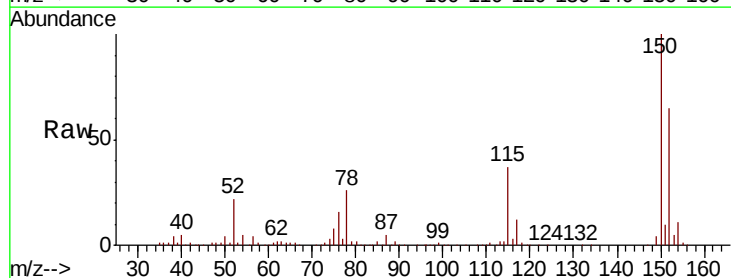


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

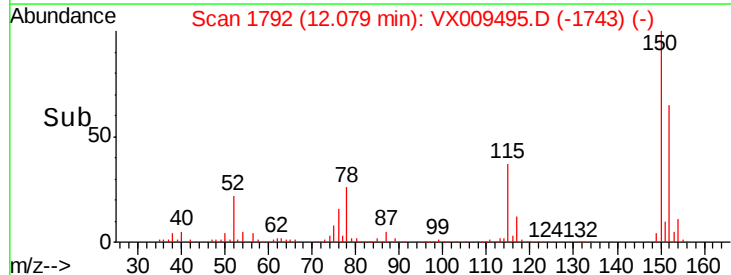
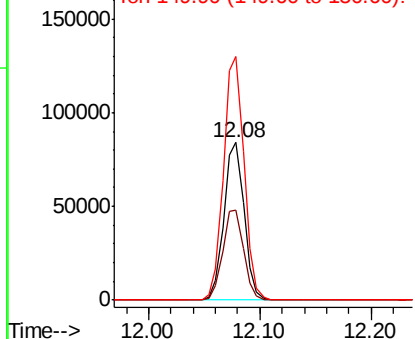


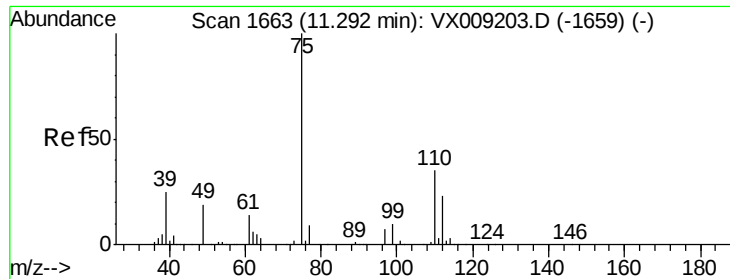
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009495.D
Acq: 10 May 2019 20:50

Tgt Ion:152 Resp: 104921
Ion Ratio Lower Upper
152 100
115 59.2 41.2 123.6
150 157.8 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

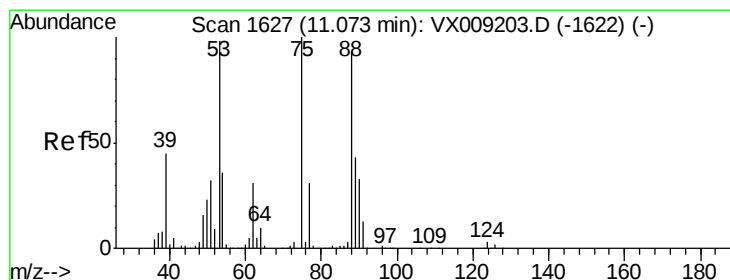
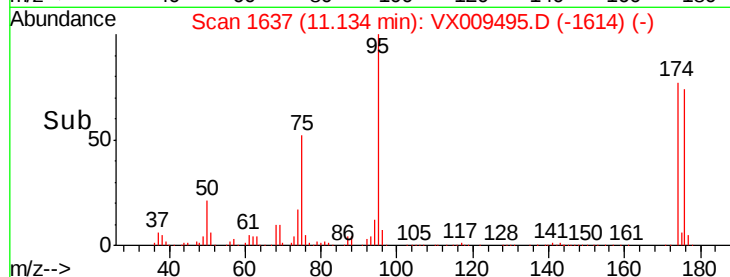
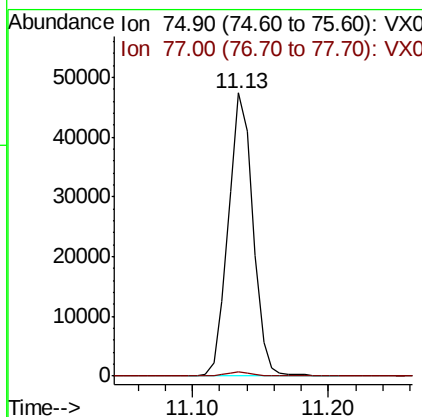
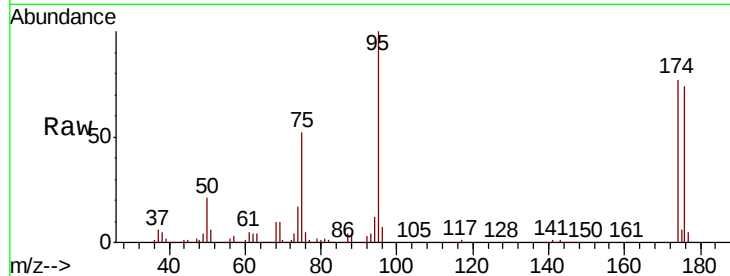




#76
 1,2,3-Trichloropropane
 Concen: 24.536 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW720-190508

Tot Ion: 75 Resp: 59716
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.779 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009495.D
 Acq: 10 May 2019 20:50

Tgt Ion: 75 Resp: 59716
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

