

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009636.D
 Acq On : 17 May 2019 03:17
 Operator : JC/SP
 Sample : K2887-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW738-190515

Quant Time: May 17 06:44:45 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	173493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102564	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	114930	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	5.50	113	84607	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	8.71	98	345313	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	113969	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	

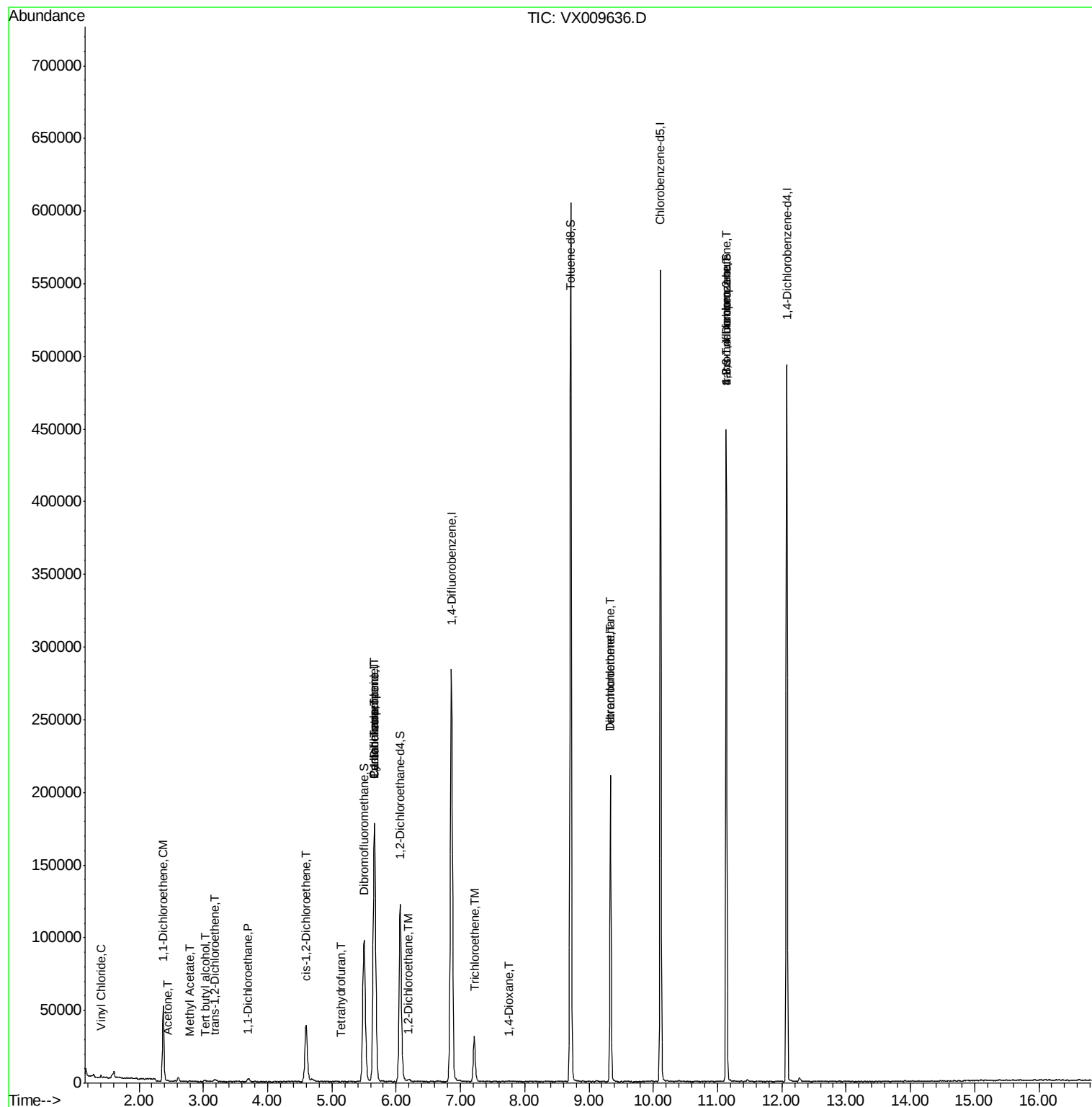
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	790	0.371	ug/l	93
11) Tert butyl alcohol	3.03	59	559	1.020	ug/l	95
12) 1,1-Dichloroethene	2.37	96	16653	10.230	ug/l	99
16) Acetone	2.44	43	880	0.692	ug/l	95
18) Methyl Acetate	2.78	43	866	0.286	ug/l #	71
21) trans-1,2-Dichloroethene	3.17	96	414	0.235	ug/l #	71
24) 1,1-Dichloroethane	3.70	63	2401	0.638	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	24370	11.565	ug/l	90
28) Bromochloromethane	5.01	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	287	0.226	ug/l #	51
31) Cyclohexane	5.67	56	3920	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13256	5.216	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16238	7.032	ug/l #	16
42) 1,2-Dichloroethane	6.20	62	1564	0.554	ug/l	94
44) Trichloroethene	7.21	130	11677	6.141	ug/l	91
49) 1,4-Dioxane	7.76	88	404	7.089	ug/l #	22
60) Dibromochloromethane	9.34	129	37054	19.450	ug/l #	11
64) Tetrachloroethene	9.34	164	40626	24.644	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	57683	24.246	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57683	62.036	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051619\
Data File : VX009636.D
Acq On : 17 May 2019 03:17
Operator : JC/SP
Sample : K2887-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS052MW738-190515

Quant Time: May 17 06:44:45 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: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

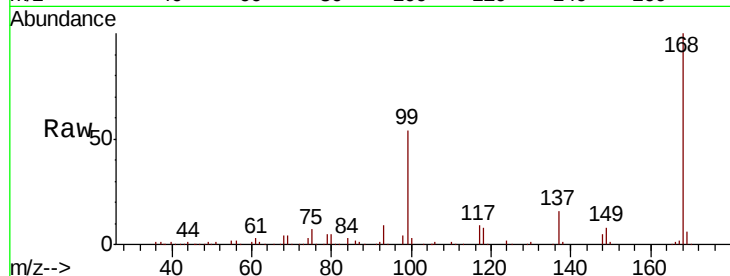
SS052MW738-190515

Tot Ion:168 Resp: 173493

Ion Ratio Lower Upper

168 100

99 53.8 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

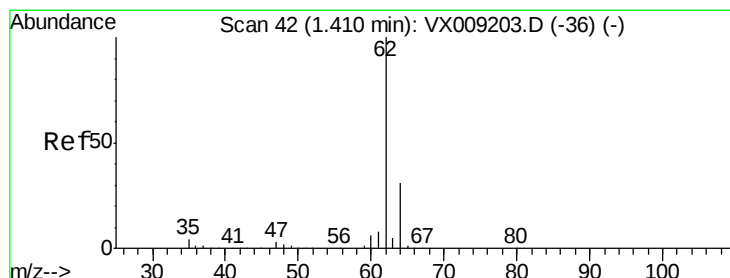
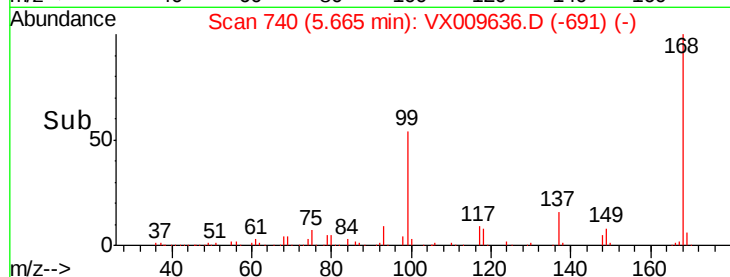
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.371 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009636.D

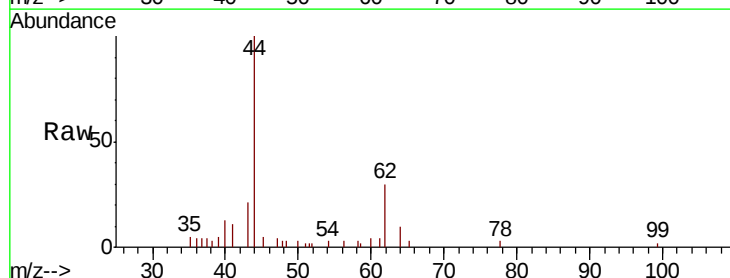
Acq: 17 May 2019 03:17

Tgt Ion: 62 Resp: 790

Ion Ratio Lower Upper

62 100

64 34.4 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

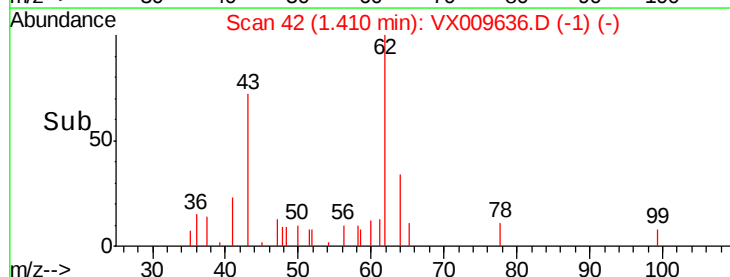
400

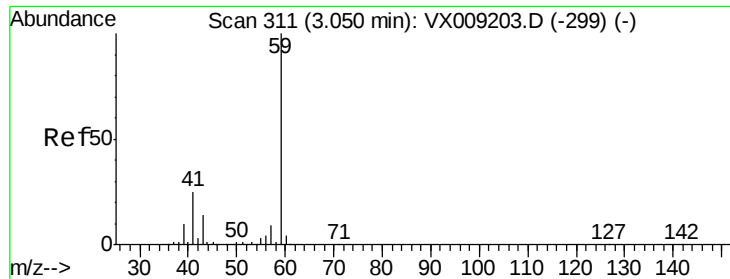
200

0

Time-->

1.35 1.40 1.45

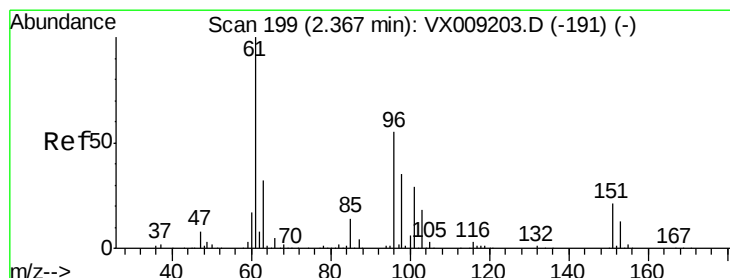
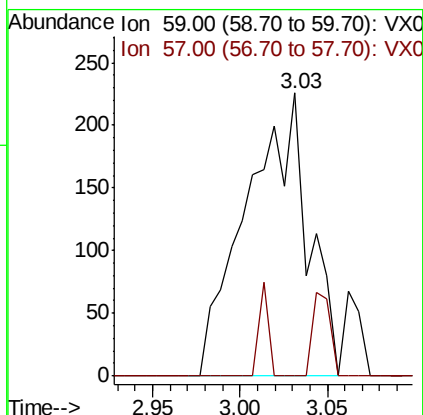
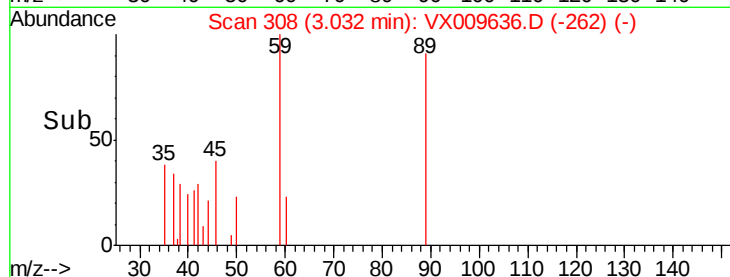
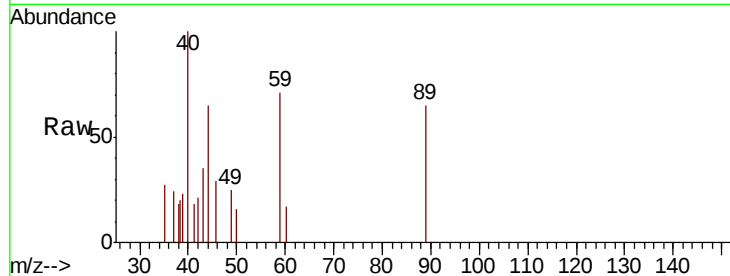




#11
Tert butyl alcohol
Concen: 1.020 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009636.D
Acq: 17 May 2019 03:17

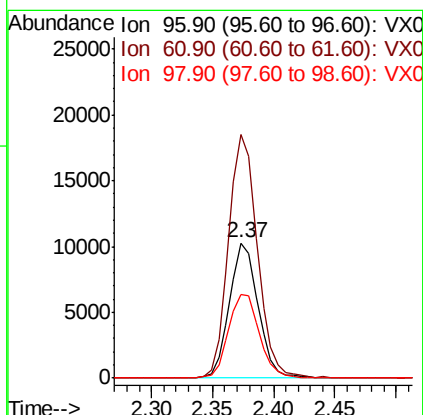
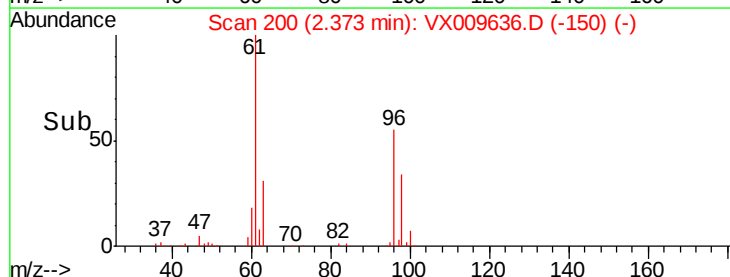
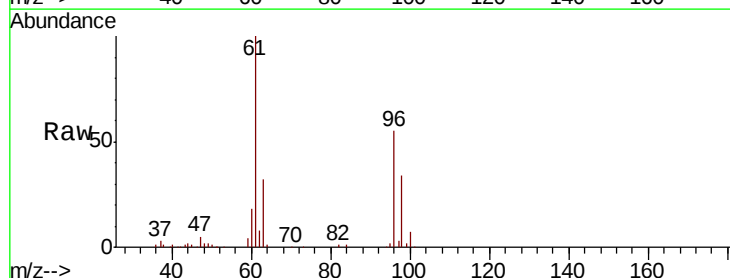
Instrument :
MSVOA_X
ClientSampleId :
SS052MW738-190515

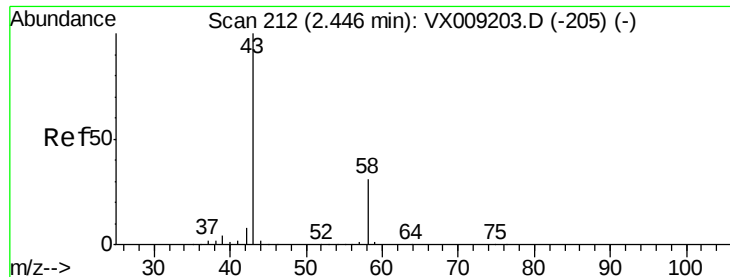
Tot Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 8.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 10.230 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009636.D
Acq: 17 May 2019 03:17

Tgt Ion: 96 Resp: 16653
Ion Ratio Lower Upper
96 100
61 180.3 144.3 216.5
98 61.6 50.3 75.5





#16

Acetone

Concen: 0.692 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

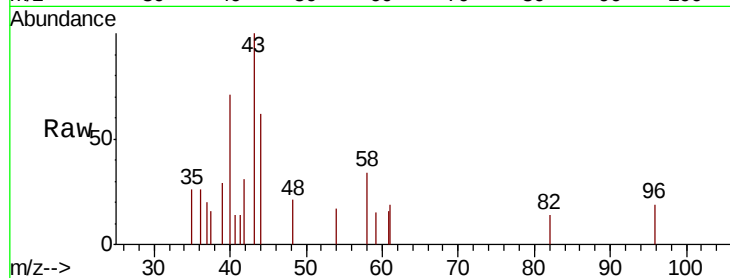
SS052MW738-190515

Tot Ion: 43 Resp: 880

Ion Ratio Lower Upper

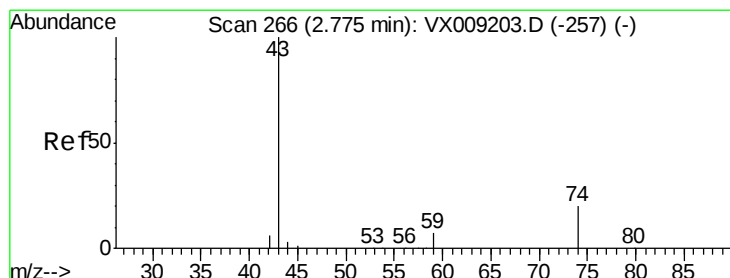
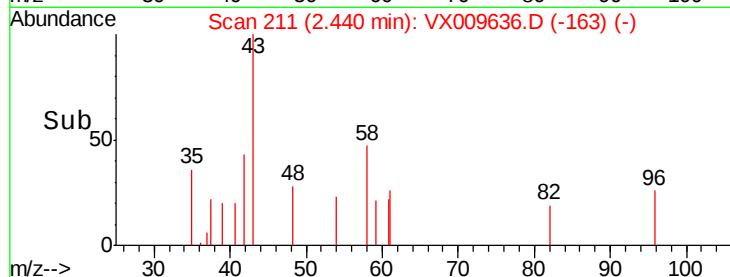
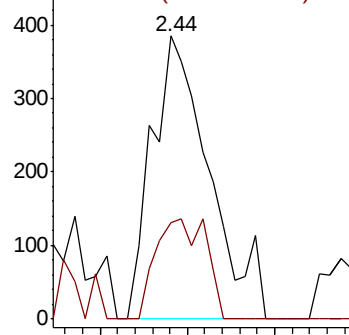
43 100

58 34.0 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: 0.286 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009636.D

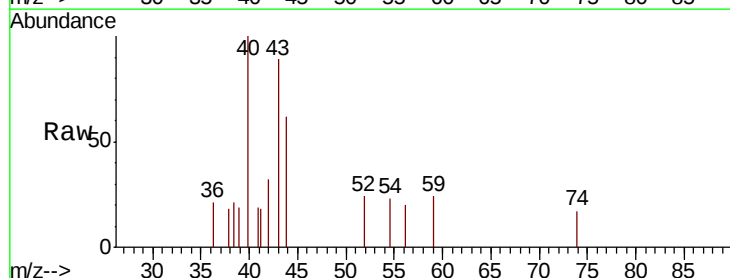
Acq: 17 May 2019 03:17

Tgt Ion: 43 Resp: 866

Ion Ratio Lower Upper

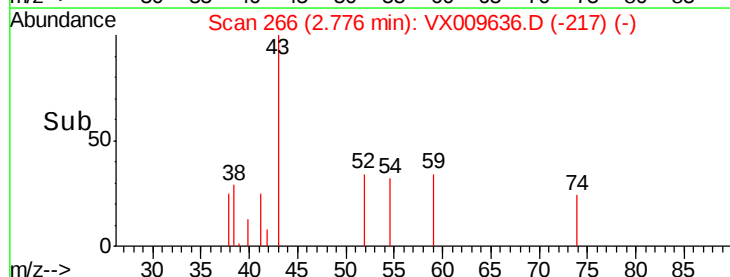
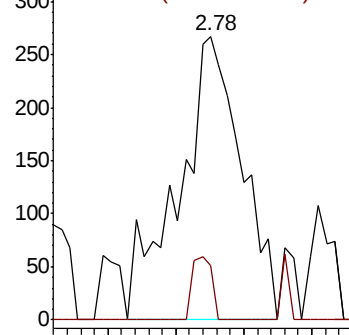
43 100

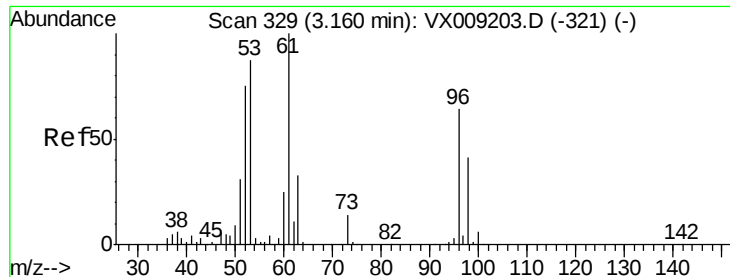
74 7.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.235 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-190515

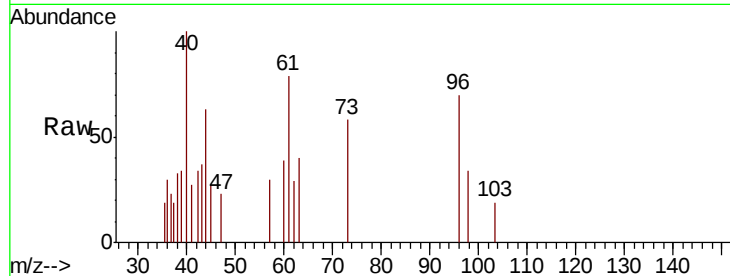
Tot Ion: 96 Resp: 414

Ion Ratio Lower Upper

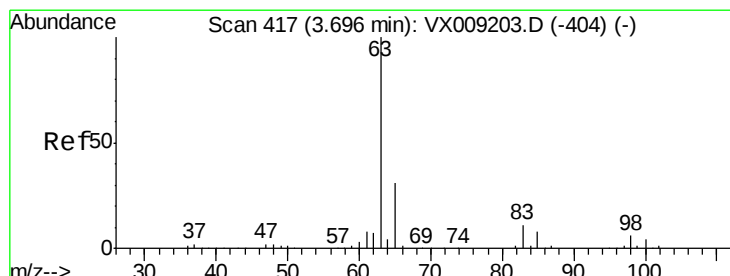
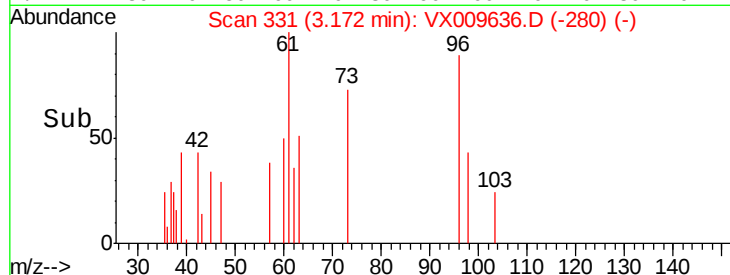
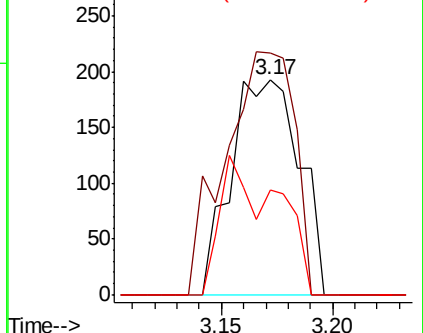
96 100

61 112.4 124.5 186.7#

98 48.7 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



#24

1,1-Dichloroethane

Concen: 0.638 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

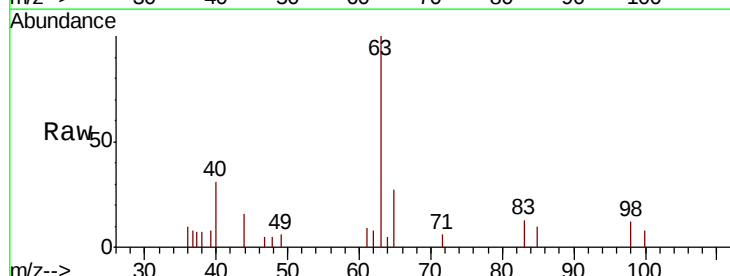
Tgt Ion: 63 Resp: 2401

Ion Ratio Lower Upper

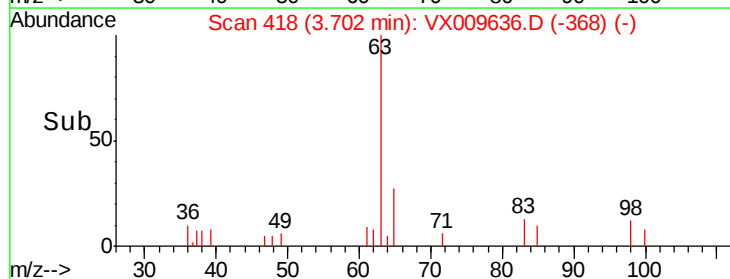
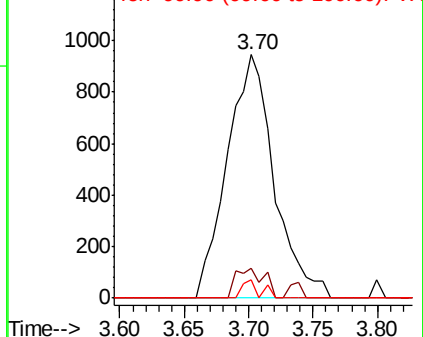
63 100

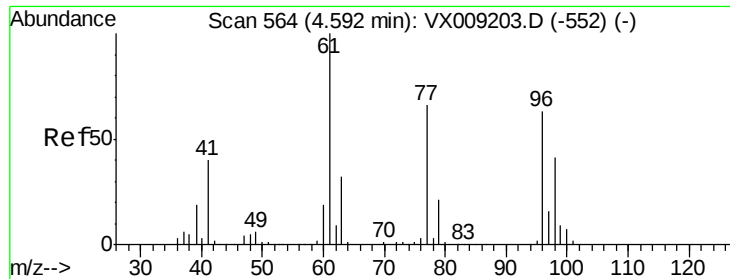
98 12.1 3.0 9.2#

100 7.8 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



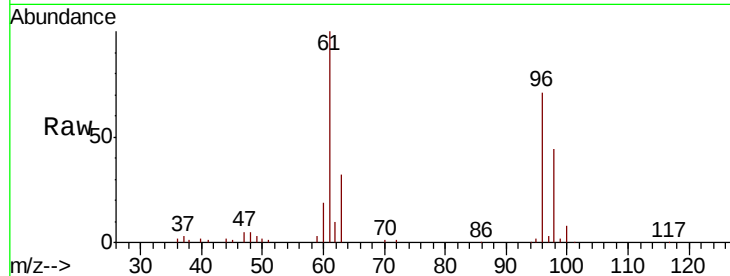


#27

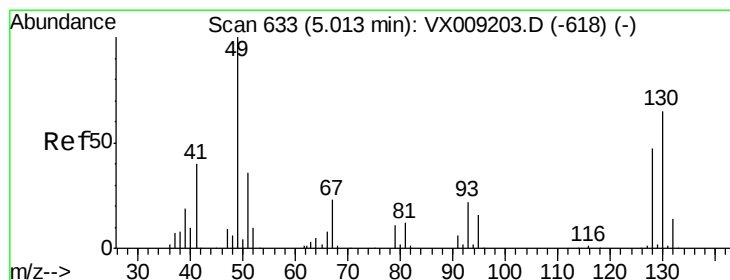
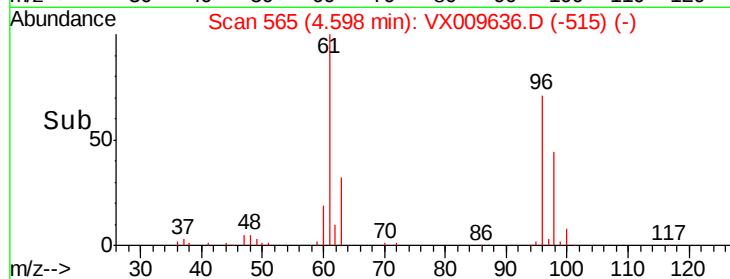
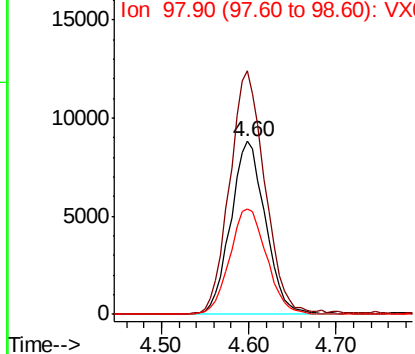
cis-1,2-Dichloroethene
Concen: 11.565 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009636.D
Acq: 17 May 2019 03:17

Instrument :
MSVOA_X
ClientSampleId :
SS052MW738-190515

Tot Ion: 96 Resp: 24370
Ion Ratio Lower Upper
96 100
61 143.7 0.0 324.0
98 64.7 0.0 130.4



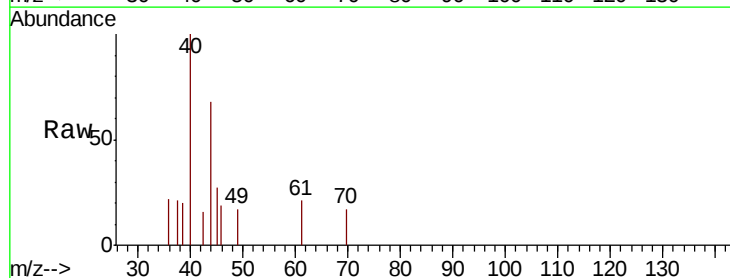
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



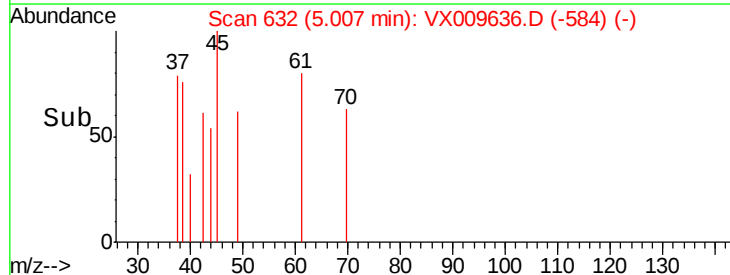
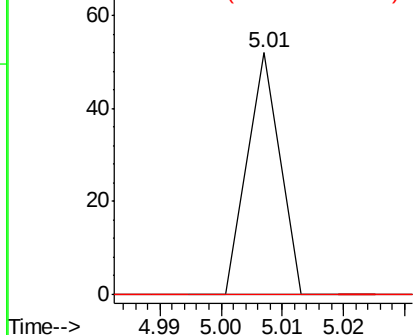
#28

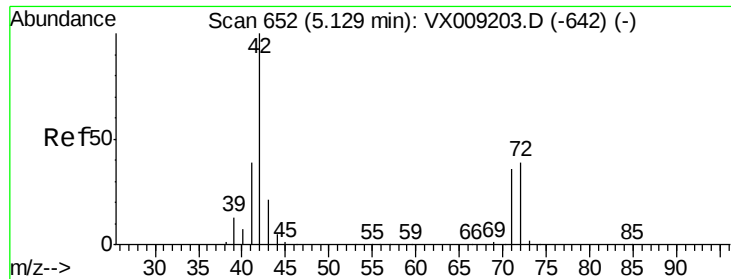
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009636.D
Acq: 17 May 2019 03:17

Tgt Ion: 49 Resp: 19
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

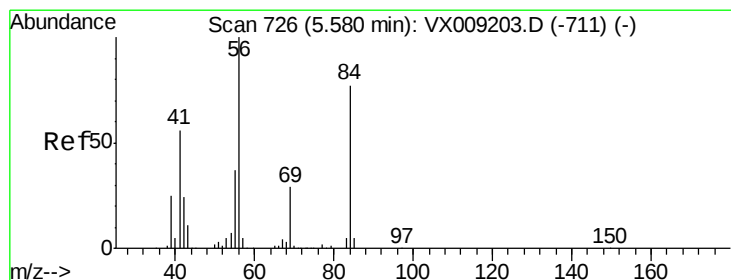
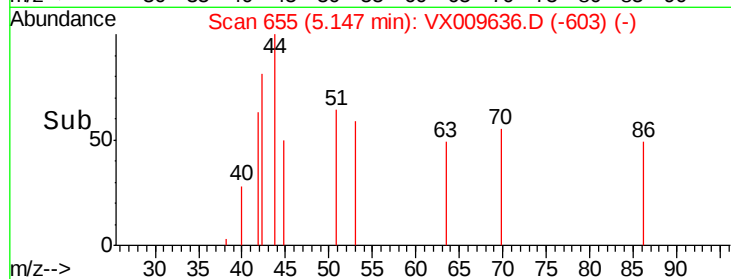
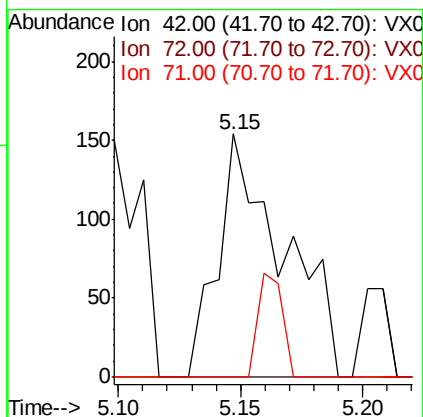
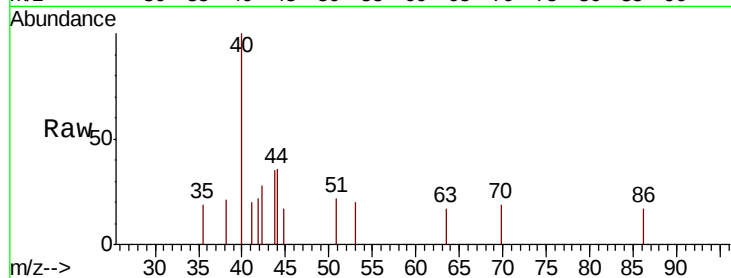




#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX009636.D
Acq: 17 May 2019 03:17

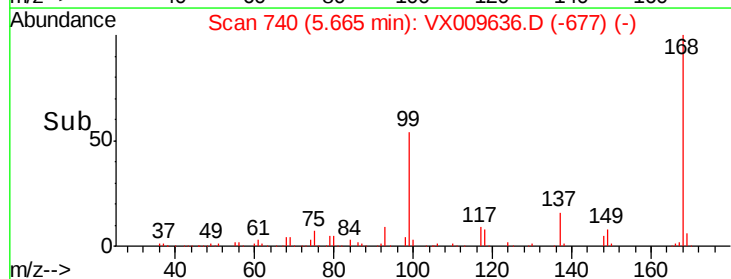
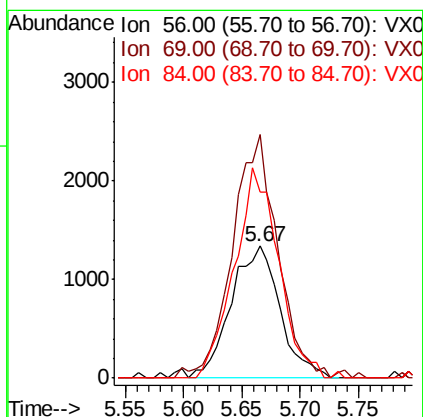
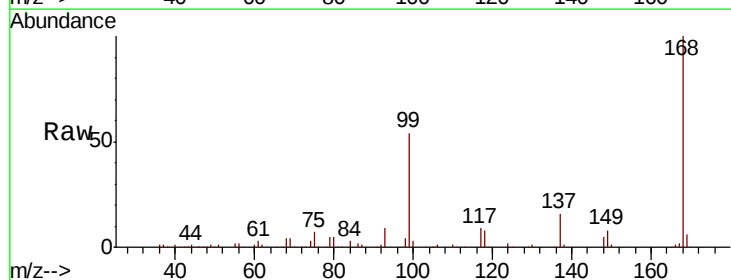
Instrument :
MSVOA_X
ClientSampleId :
SS052MW738-190515

Tot Ion: 42 Resp: 287
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 16.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009636.D
Acq: 17 May 2019 03:17

Tgt Ion: 56 Resp: 3920
Ion Ratio Lower Upper
56 100
69 180.2 23.4 35.0#
84 140.7 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 48.527 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

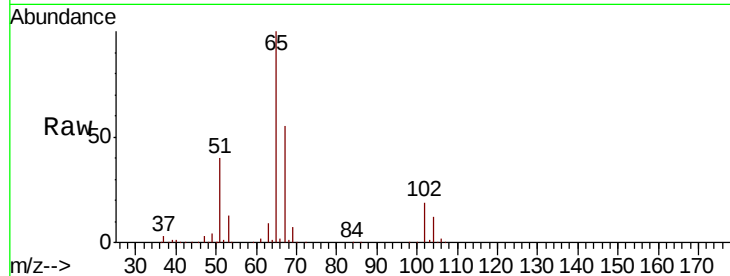
SS052MW738-190515

Tot Ion: 65 Resp: 114930

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

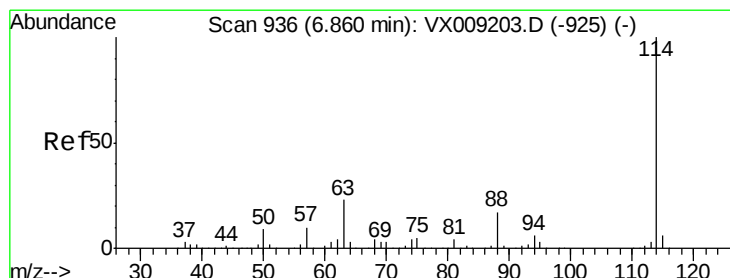
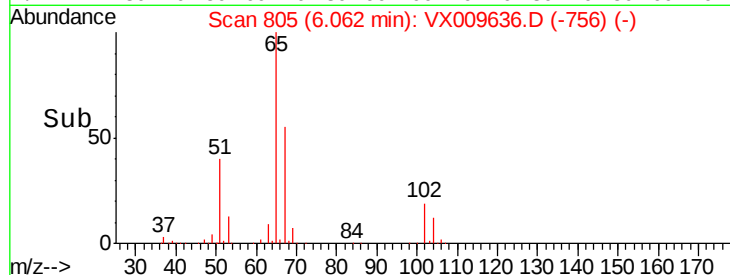
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

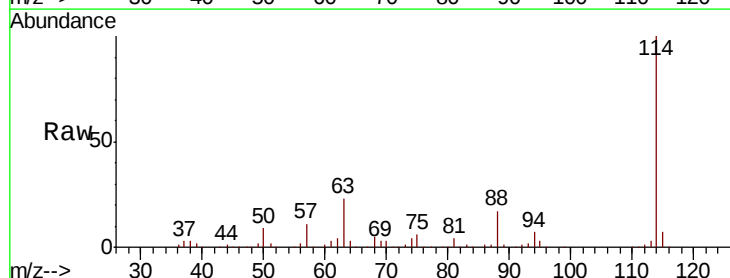
Tgt Ion: 114 Resp: 273481

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

88 16.9 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

150000

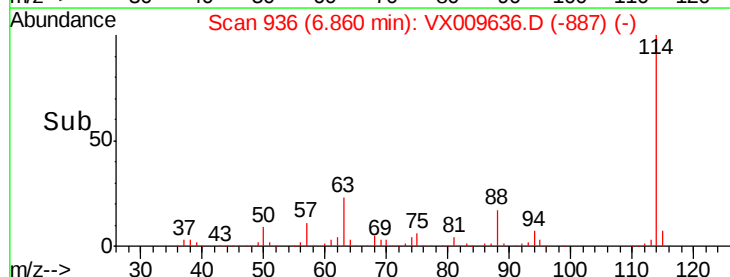
100000

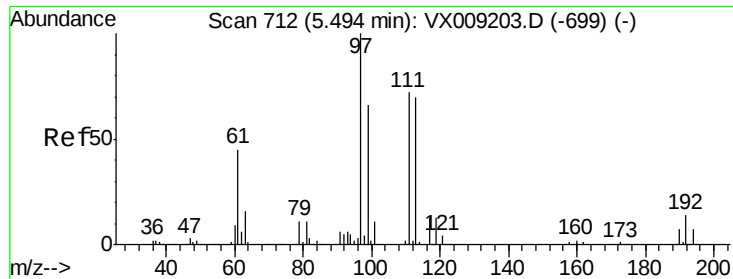
50000

0

6.70 6.80 6.90 7.00

Time-->

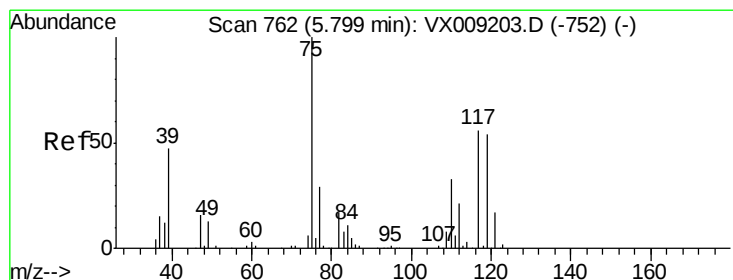
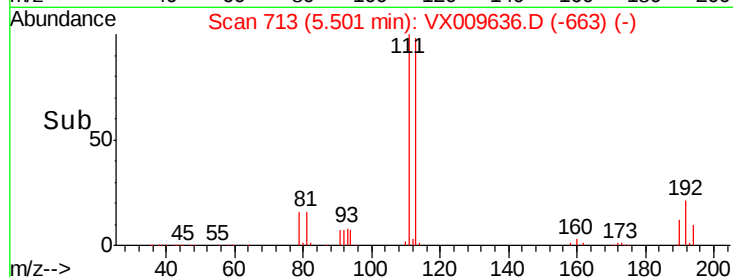
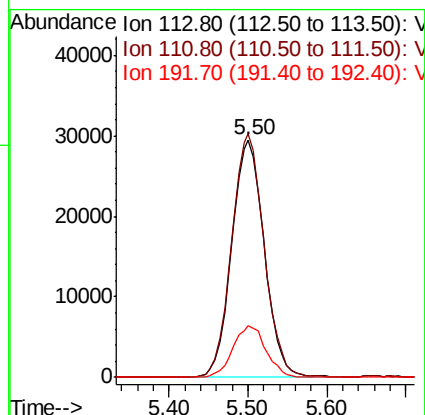
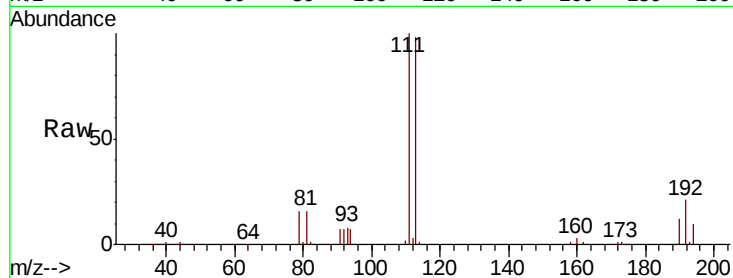




#35
 Dibromofluoromethane
 Concen: 49.213 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009636.D
 Acq: 17 May 2019 03:17

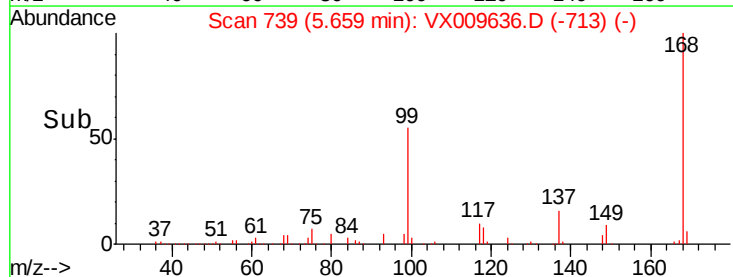
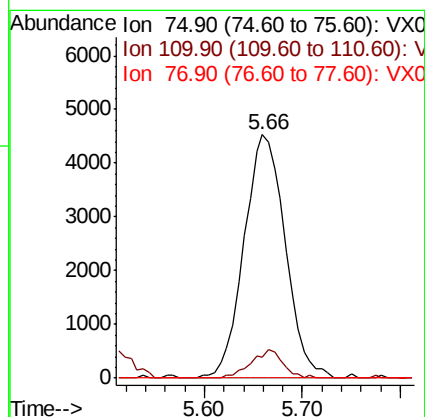
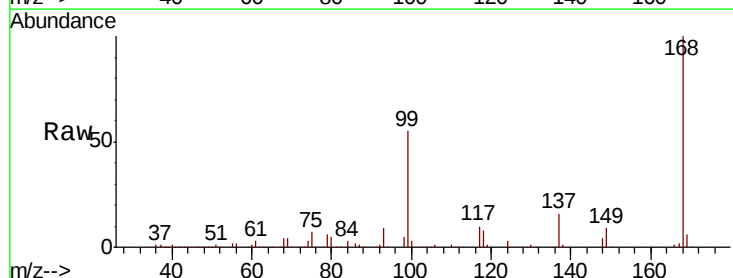
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW738-190515

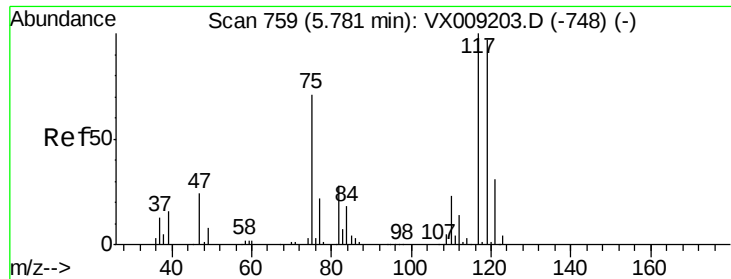
Tot Ion:113 Resp: 84607
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.216 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009636.D
 Acq: 17 May 2019 03:17

Tgt Ion: 75 Resp: 13256
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.032 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-190515

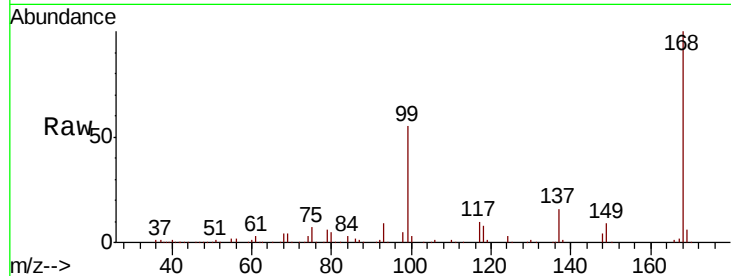
Tot Ion:117 Resp: 16238

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

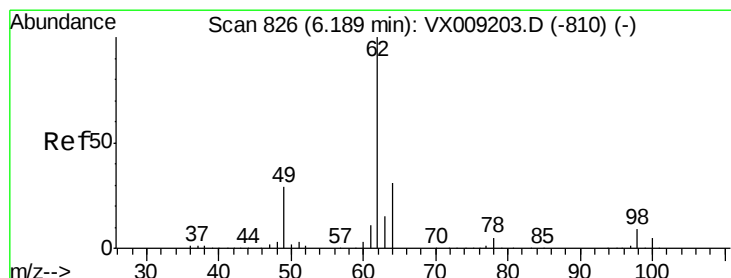
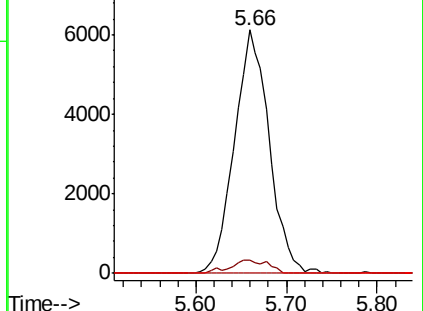
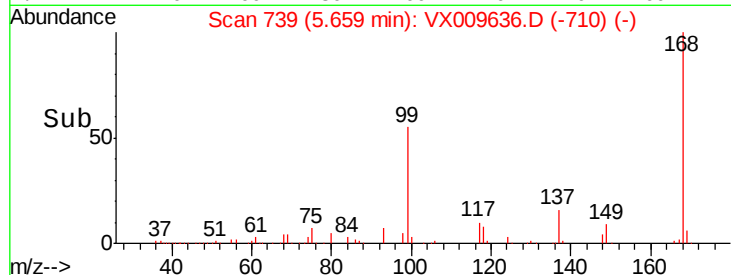
121 0.0 24.7 37.1#



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



#42

1,2-Dichloroethane

Concen: 0.554 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009636.D

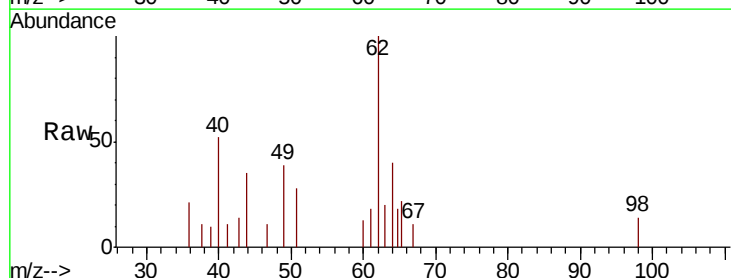
Acq: 17 May 2019 03:17

Tgt Ion: 62 Resp: 1564

Ion Ratio Lower Upper

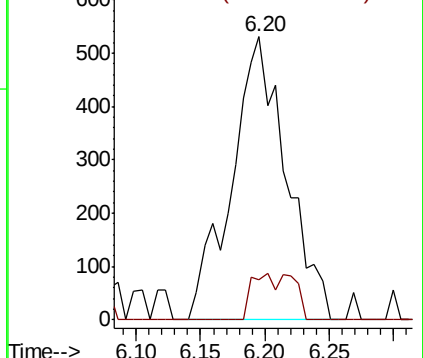
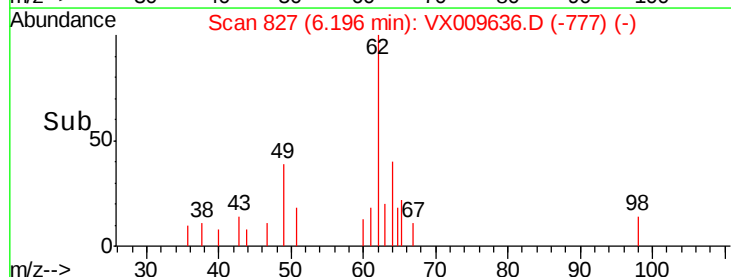
62 100

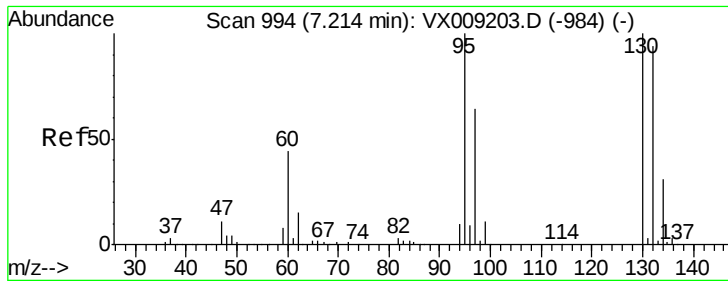
98 7.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 6.141 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

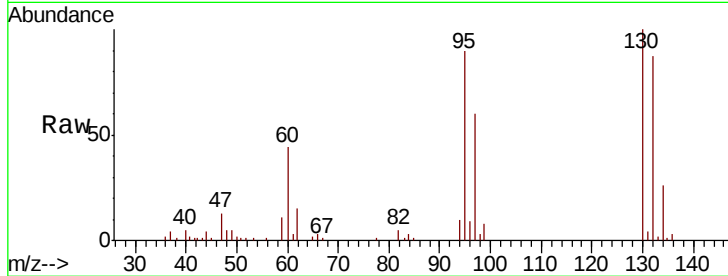
SS052MW738-190515

Tot Ion:130 Resp: 11677

Ion Ratio Lower Upper

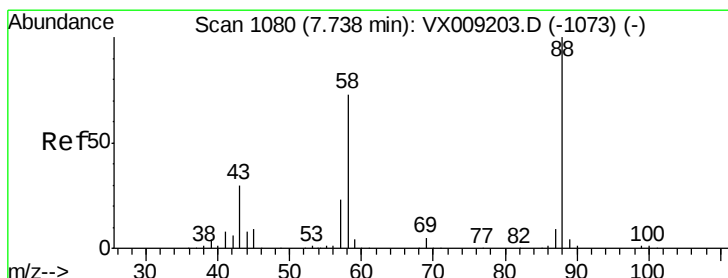
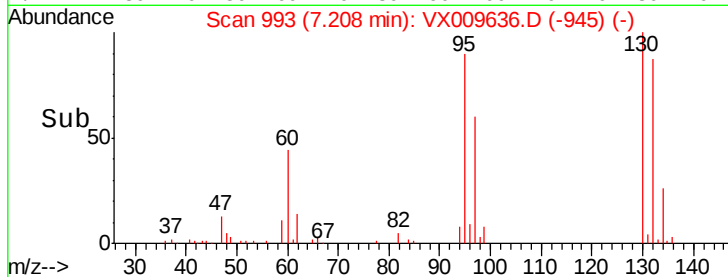
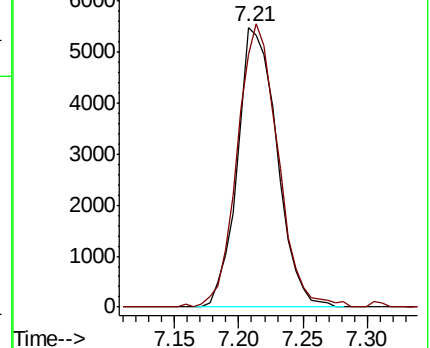
130 100

95 90.4 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: 7.089 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

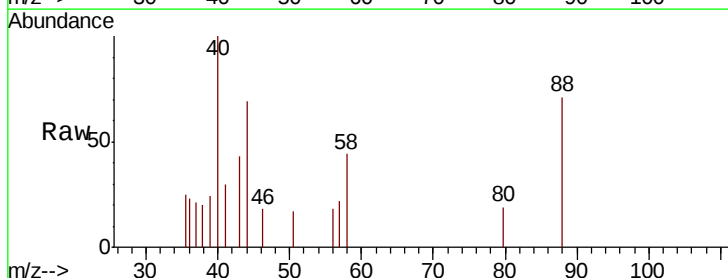
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

88 100

43 68.1 28.6 42.8#

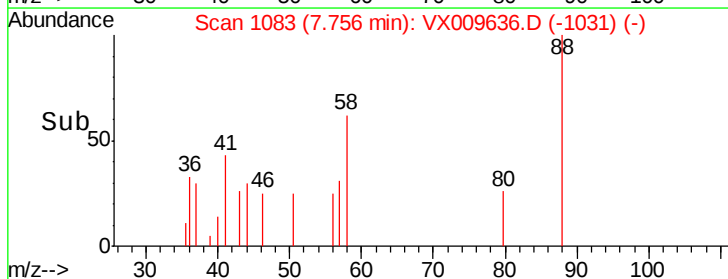
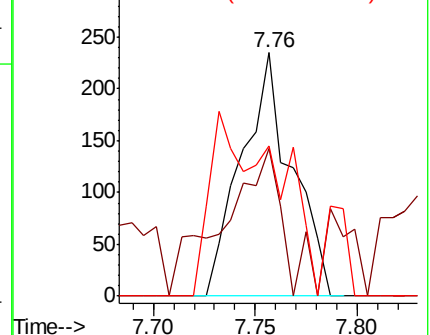
58 0.0 61.7 92.5#

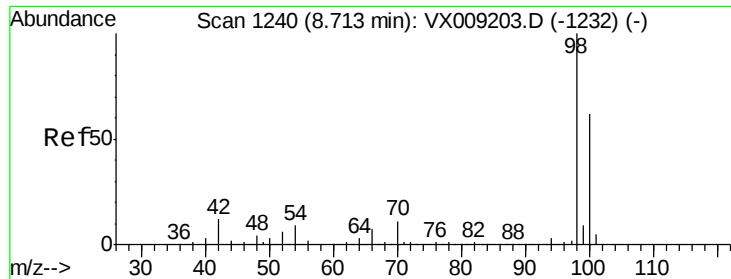


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.751 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

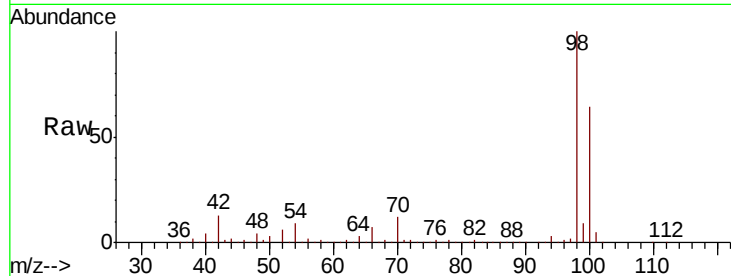
SS052MW738-190515

Tot Ion: 98 Resp: 345313

Ion Ratio Lower Upper

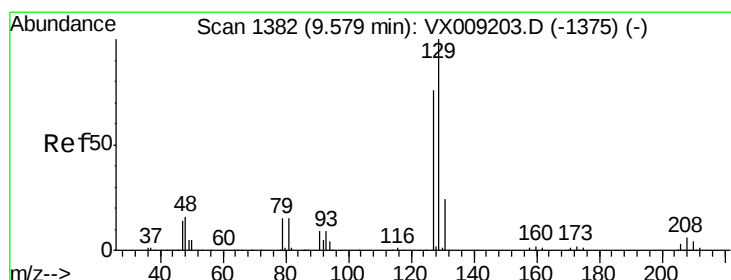
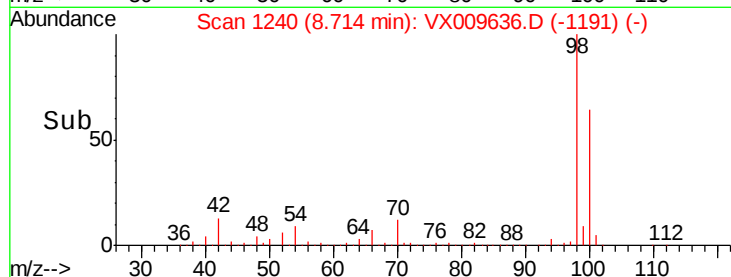
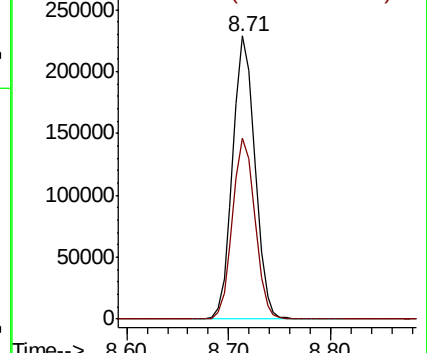
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 19.450 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009636.D

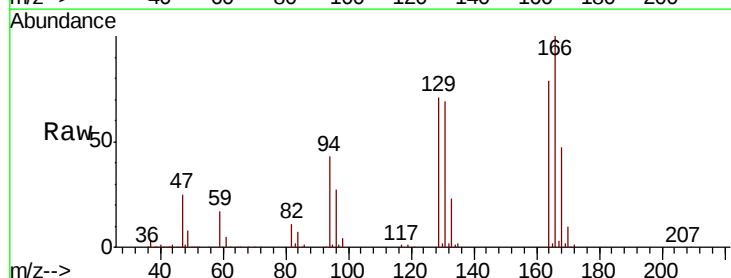
Acq: 17 May 2019 03:17

Tgt Ion: 129 Resp: 37054

Ion Ratio Lower Upper

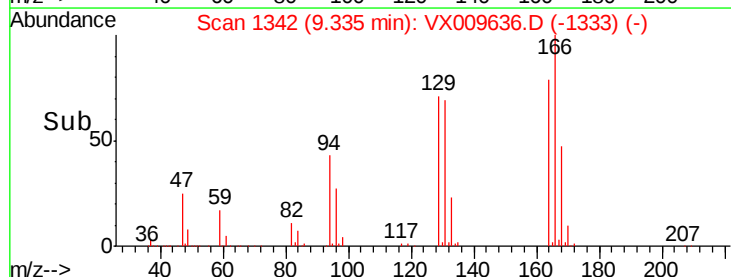
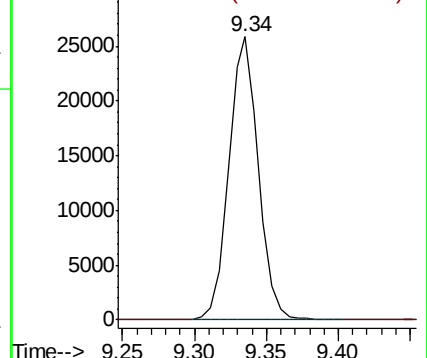
129 100

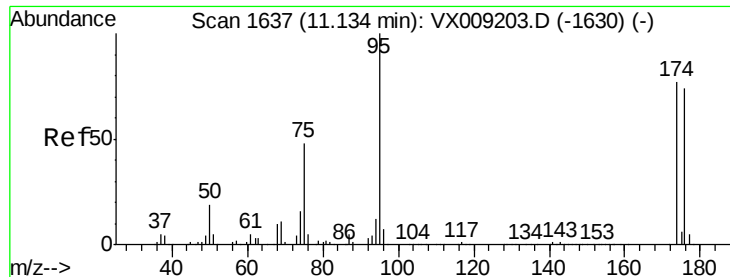
127 0.2 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.189 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-190515

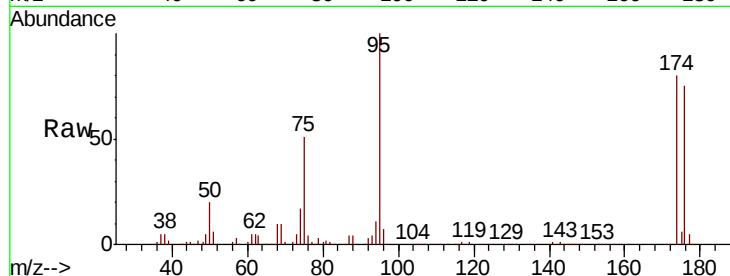
Tot Ion: 95 Resp: 113969

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

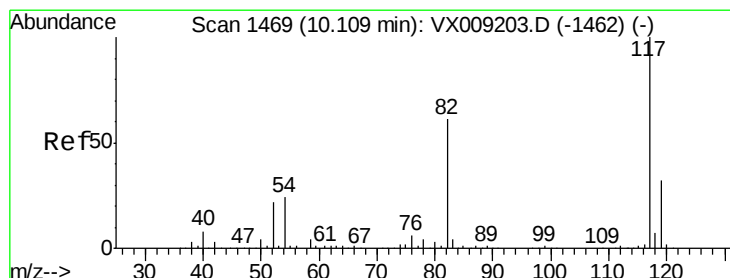
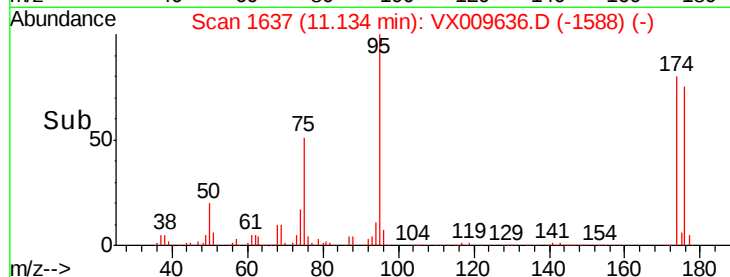
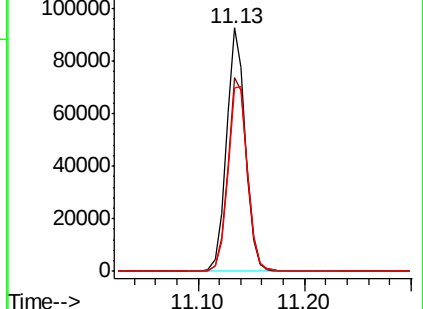
176 79.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009636.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009636.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009636.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

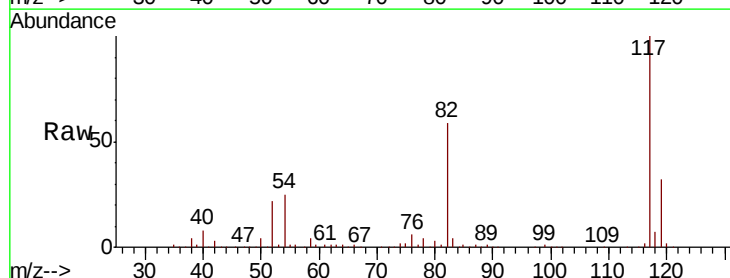
Tgt Ion: 117 Resp: 240321

Ion Ratio Lower Upper

117 100

82 59.5 48.8 73.2

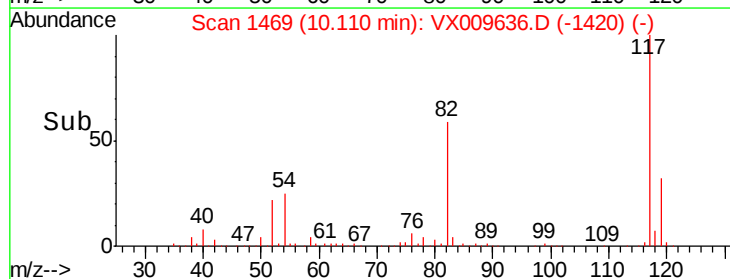
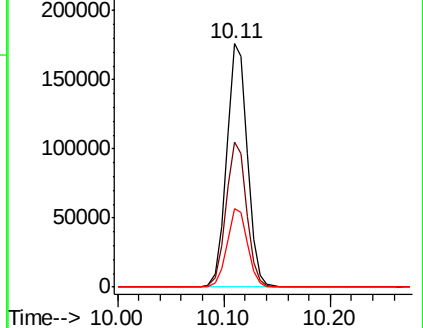
119 32.5 25.8 38.6

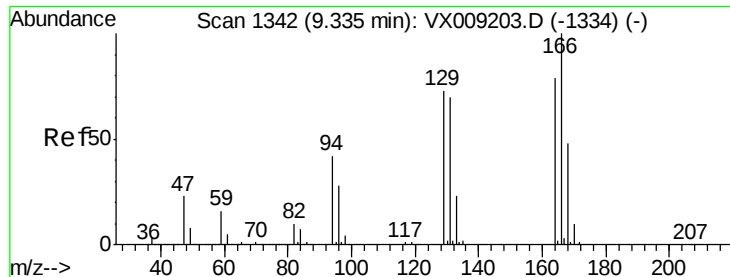


Abundance Ion 116.90 (116.60 to 117.60): VX009636.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009636.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009636.D (-1420) (-)





#64

Tetrachloroethene

Concen: 24.644 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009636.D

Acq: 17 May 2019 03:17

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-190515

Tot Ion:164 Resp: 40626

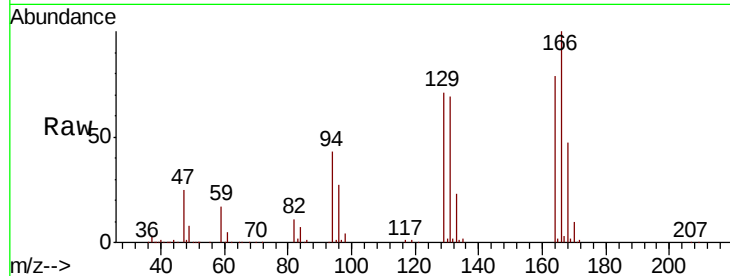
Ion Ratio Lower Upper

164 100

166 125.8 101.2 151.8

129 89.3 74.3 111.5

131 86.2 71.0 106.6

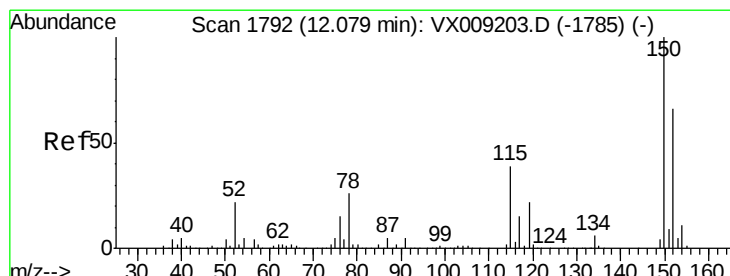
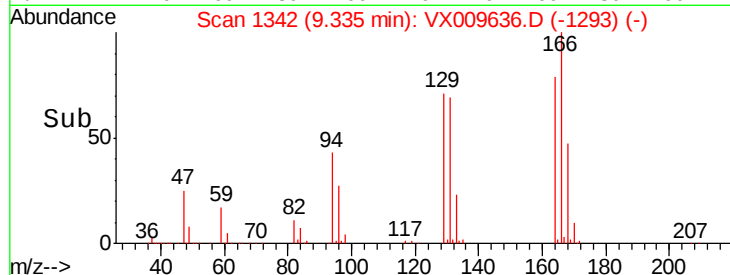
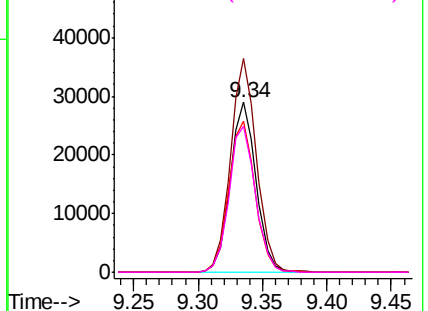


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX009636.D

Acq: 17 May 2019 03:17

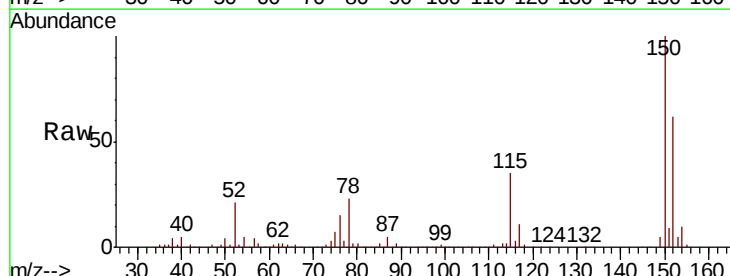
Tgt Ion:152 Resp: 102564

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

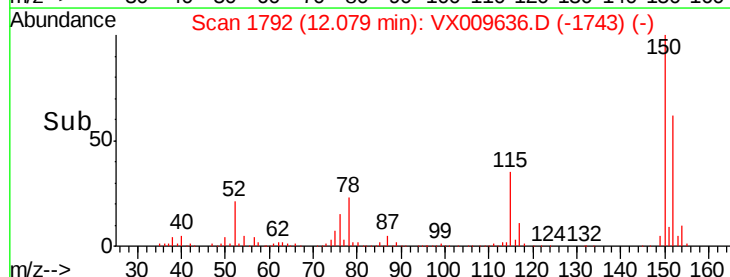
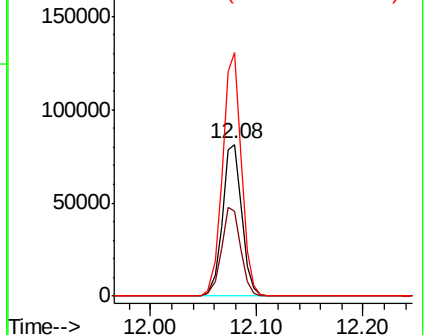
150 158.2 0.0 346.4

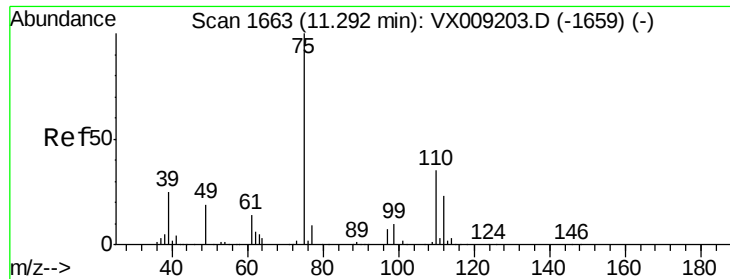


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

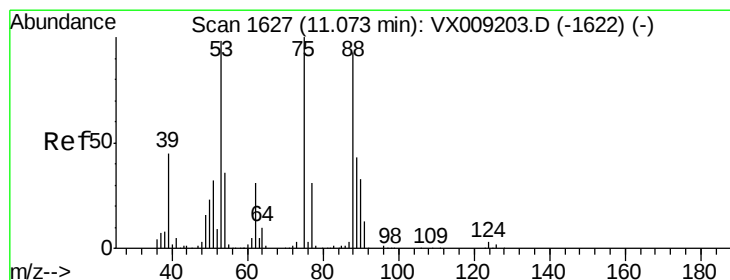
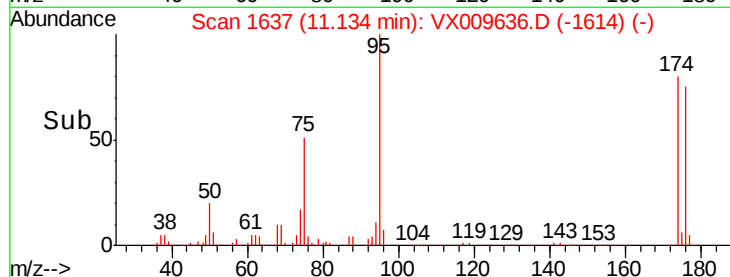
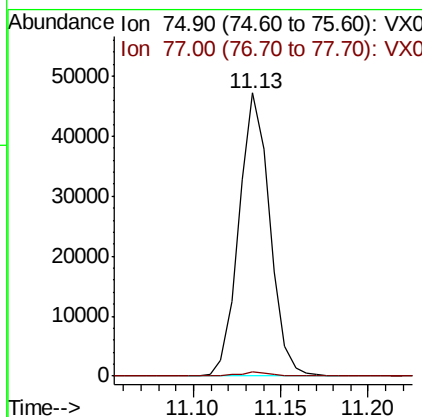
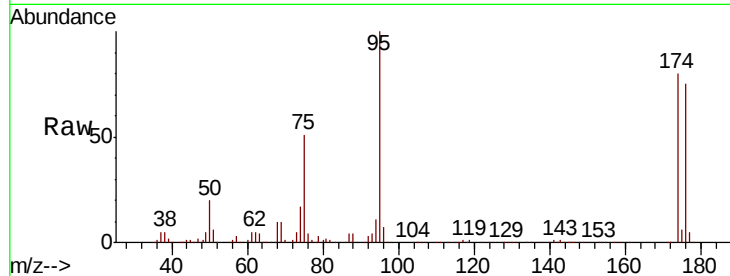




#76
 1,2,3-Trichloropropane
 Concen: 24.246 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009636.D
 Acq: 17 May 2019 03:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW738-190515

Tot Ion: 75 Resp: 57683
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.036 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009636.D
 Acq: 17 May 2019 03:17

Tgt Ion: 75 Resp: 57683
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

