

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
 Data File : VX008963.D
 Acq On : 15 Apr 2019 16:23
 Operator : JC/SP
 Sample : K2385-12DL 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW320-190410DL

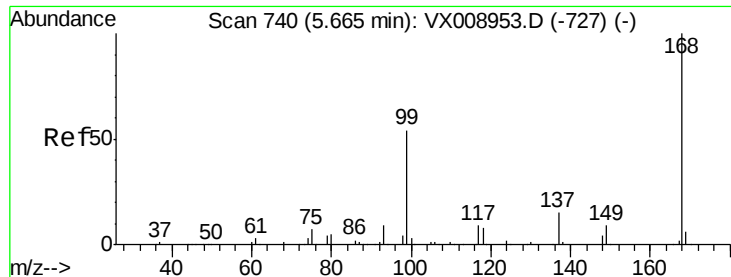
Quant Time: Apr 16 03:23:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	274245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	378363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162143	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	176290	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	5.50	113	129102	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	8.71	98	536366	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	11.13	95	180844	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	397	4.003	ug/l #	41
10) Methyl Iodide	2.51	142	281	4.498	ug/l #	65
16) Acetone	2.45	43	778	0.388	ug/l	97
17) Carbon Disulfide	2.57	76	1121	1.379	ug/l #	72
20) Methylene Chloride	2.86	84	2579	0.752	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	1907	0.535	ug/l	91
28) Bromochloromethane	5.04	49	102	Below Cal	#	45
29) Tetrahydrofuran	5.15	42	561	0.262	ug/l #	64
36) 1,1-Dichloropropene	5.66	75	21728	4.799	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25977	6.767	ug/l #	18
49) 1,4-Dioxane	7.77	88	22	0.253	ug/l #	1
60) Dibromochloromethane	9.34	129	6741	2.217	ug/l #	10
64) Tetrachloroethene	9.34	164	7204	2.506	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	90928	22.966	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	90928	58.961	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

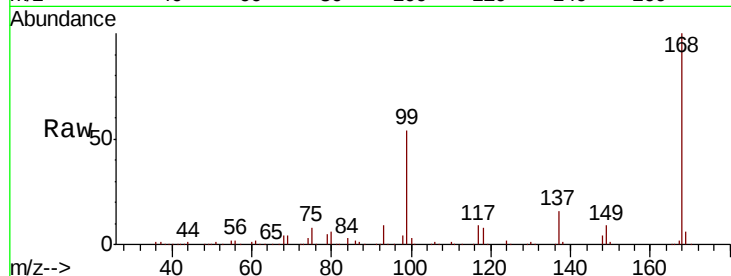
SS040MW320-190410DL

Tot Ion:168 Resp: 274245

Ion Ratio Lower Upper

168 100

99 53.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

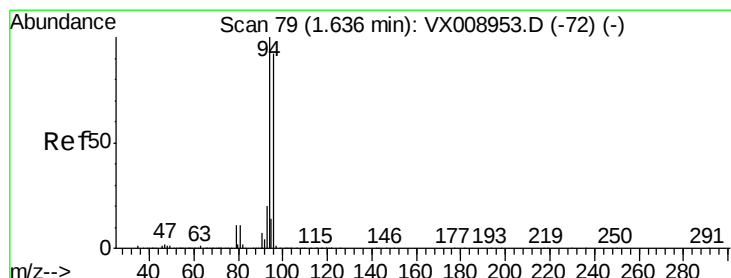
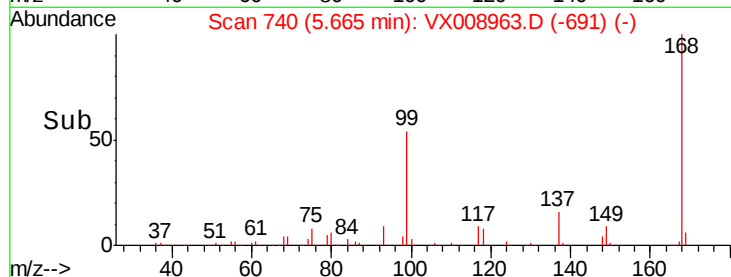
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.003 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008963.D

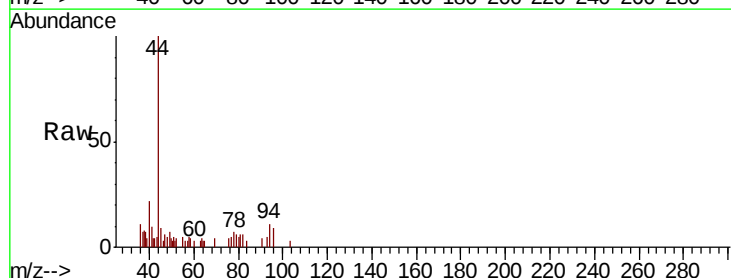
Acq: 15 Apr 2019 16:23

Tgt Ion: 94 Resp: 397

Ion Ratio Lower Upper

94 100

96 36.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

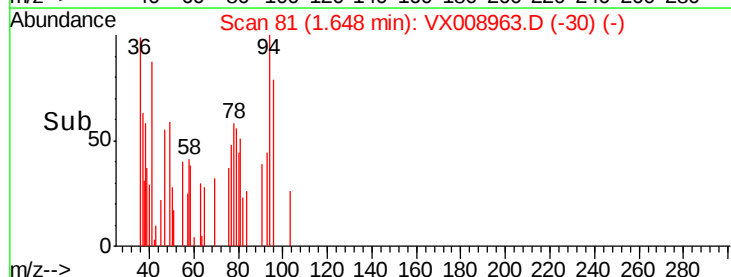
150

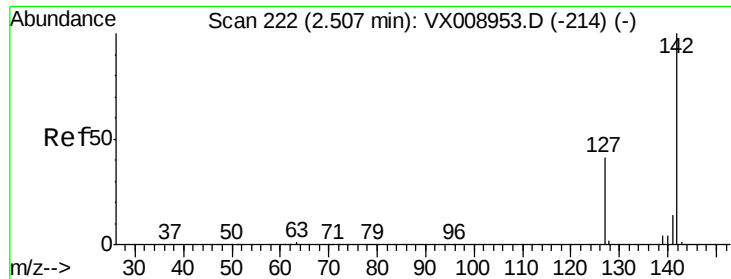
100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68

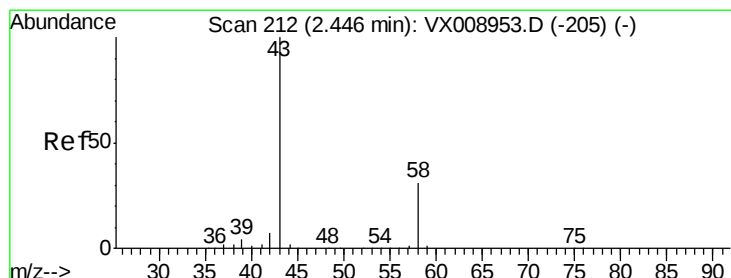
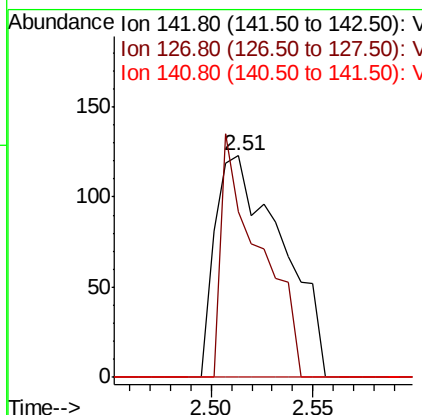
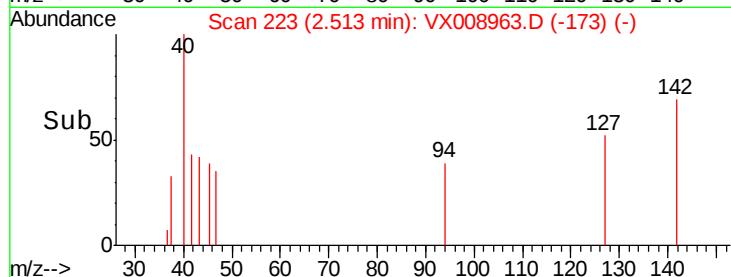
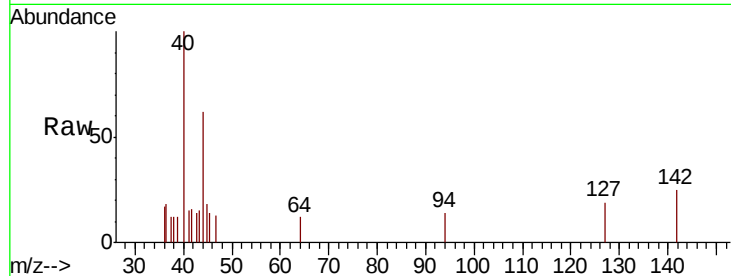




#10
Methvl Iodide
Concen: 4.498 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008963.D
Acq: 15 Apr 2019 16:23

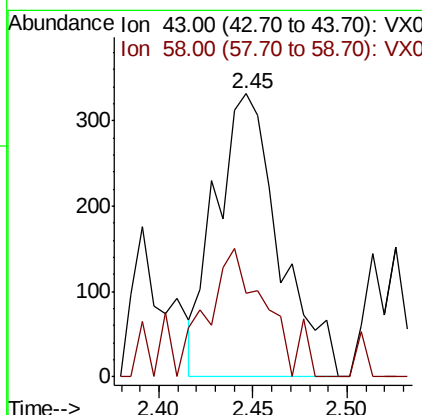
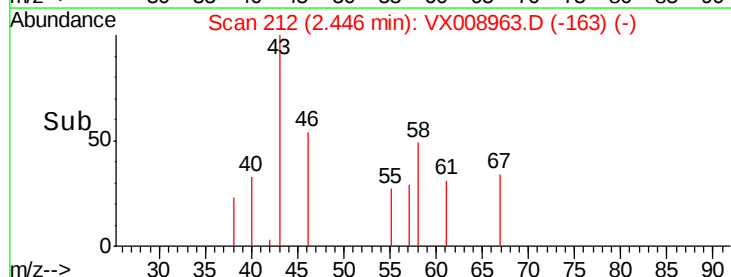
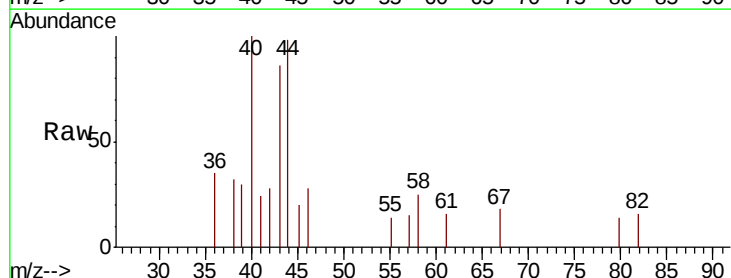
Instrument :
MSVOA_X
ClientSampleId :
SS040MW320-190410DL

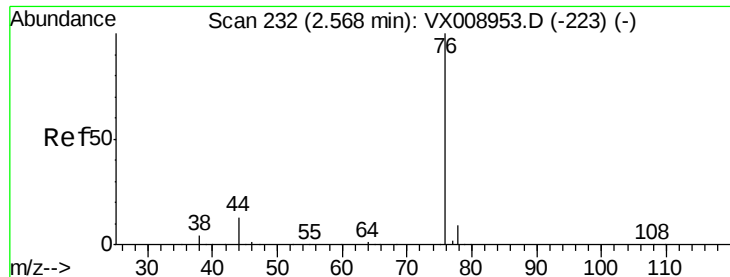
Tot Ion:142 Resp: 281
Ion Ratio Lower Upper
142 100
127 62.6 32.8 49.2#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 0.388 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX008963.D
Acq: 15 Apr 2019 16:23

Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 29.5 24.8 37.2





#17

Carbon Disulfide

Concen: 1.379 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

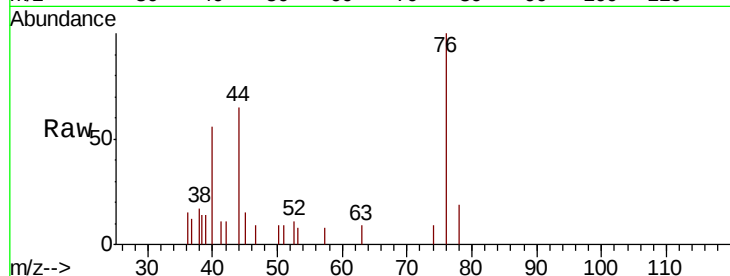
SS040MW320-190410DL

Tot Ion: 76 Resp: 1121

Ion Ratio Lower Upper

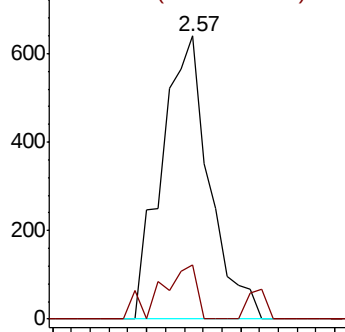
76 100

78 19.2 7.2 10.8#

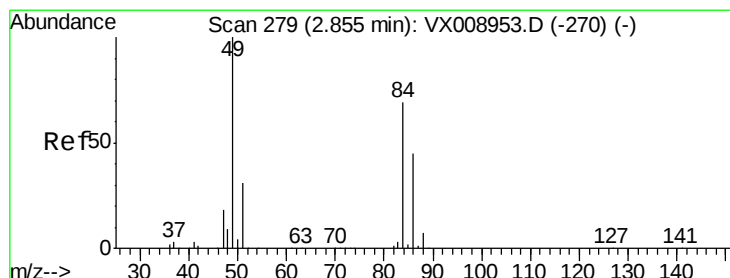
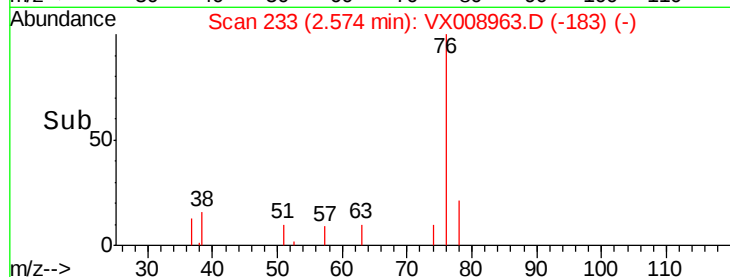


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.752 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Tgt Ion: 84 Resp: 2579

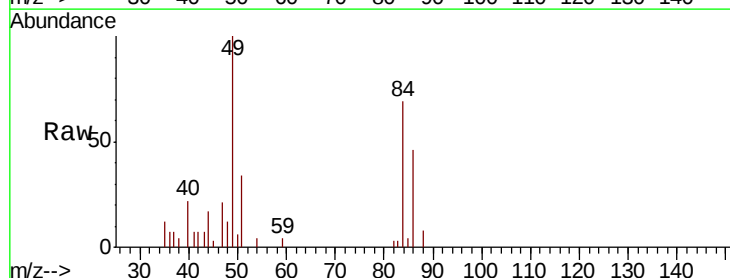
Ion Ratio Lower Upper

84 100

49 144.2 115.4 173.0

51 49.1 35.8 53.6

86 66.1 52.1 78.1

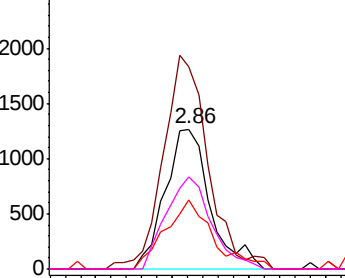


Abundance Ion 83.90 (83.60 to 84.60): VX0

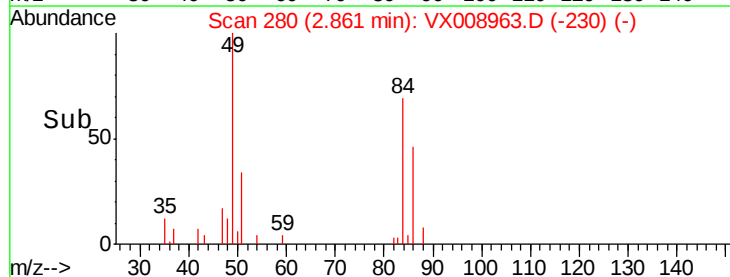
Ion 48.90 (48.60 to 49.60): VX0

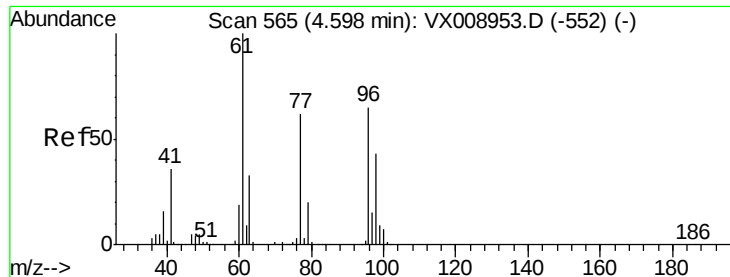
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time--> 2.80 2.85 2.90 2.95



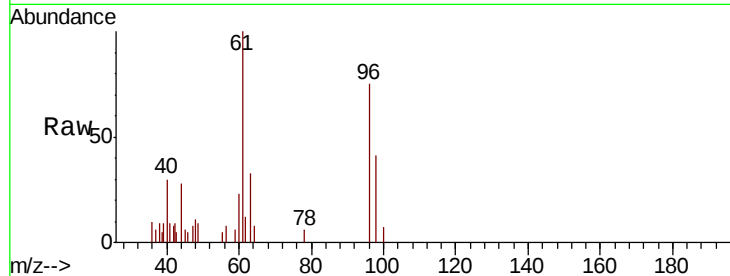


#27

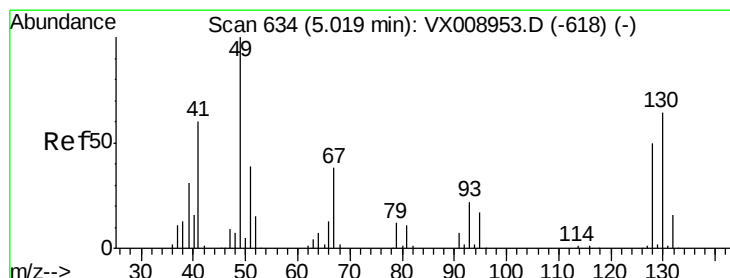
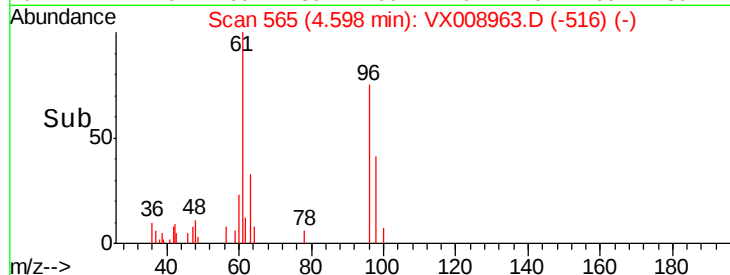
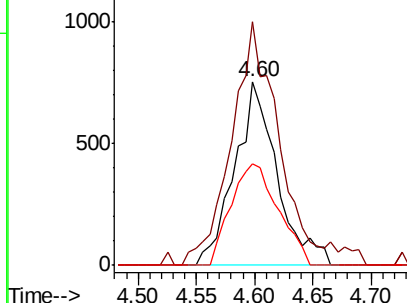
cis-1,2-Dichloroethene
Concen: 0.535 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008963.D
Acq: 15 Apr 2019 16:23

Instrument :
MSVOA_X
ClientSampleId :
SS040MW320-190410DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	322.0
98	61.6	0.0	128.4



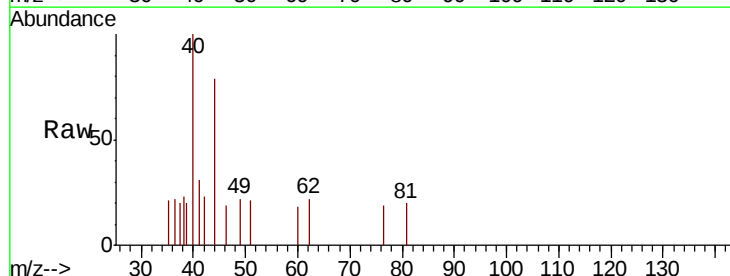
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



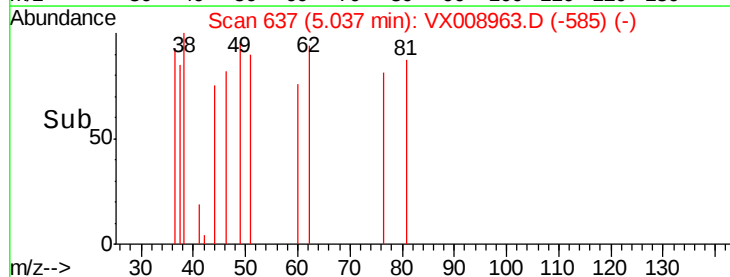
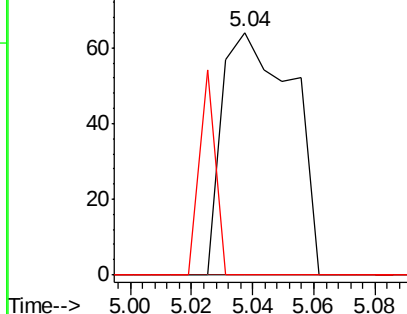
#28

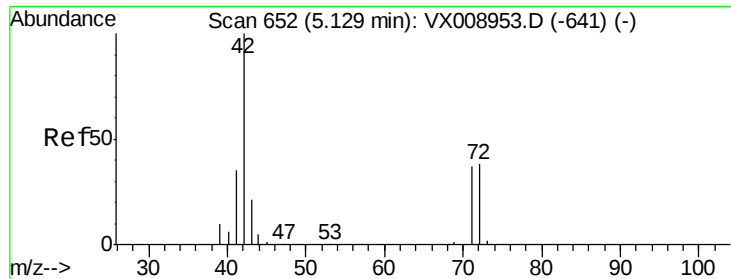
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 637
Delta R.T. 0.02 min
Lab File: VX008963.D
Acq: 15 Apr 2019 16:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	19.6	50.4	75.6#



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: 0.262 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

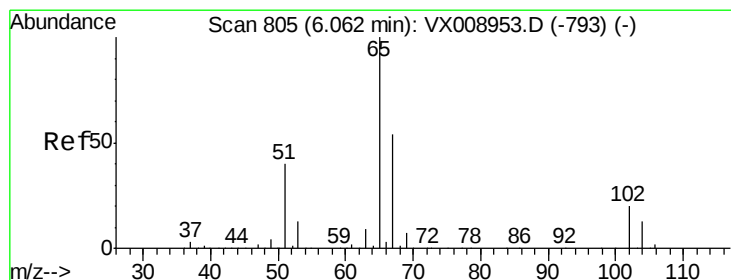
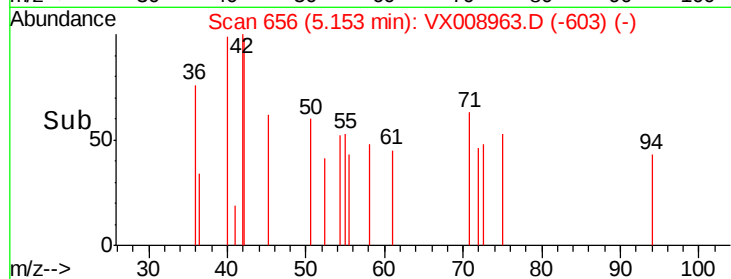
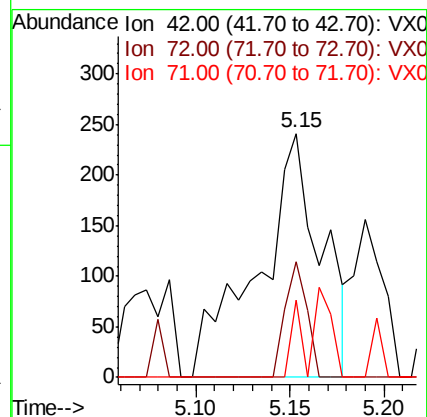
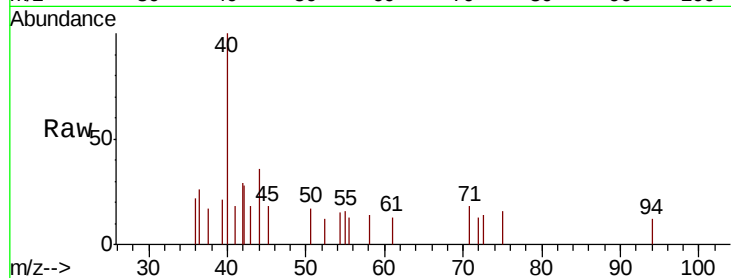
Tot Ion: 42 Resp: 561

Ion Ratio Lower Upper

42 100

72 16.2 30.6 45.8#

71 15.0 28.8 43.2#



#33

1,2-Dichloroethane-d4

Concen: 45.613 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008963.D

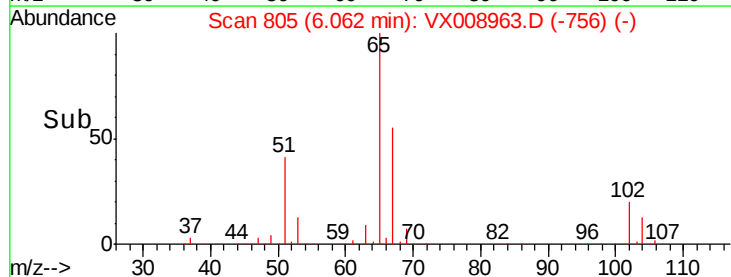
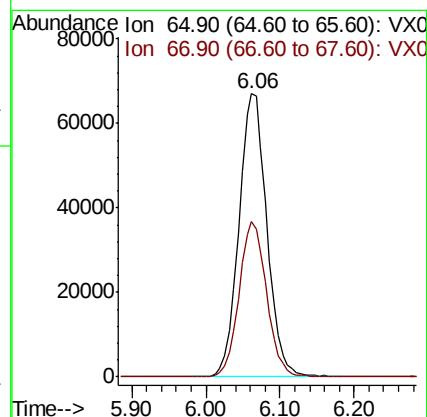
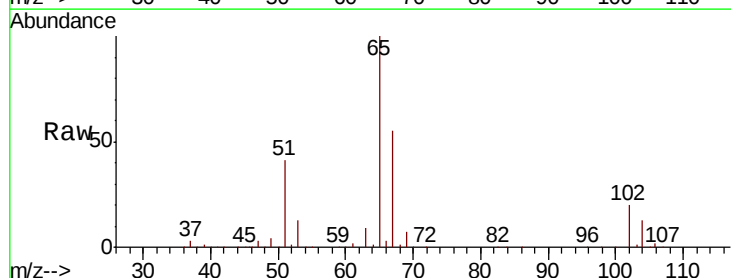
Acq: 15 Apr 2019 16:23

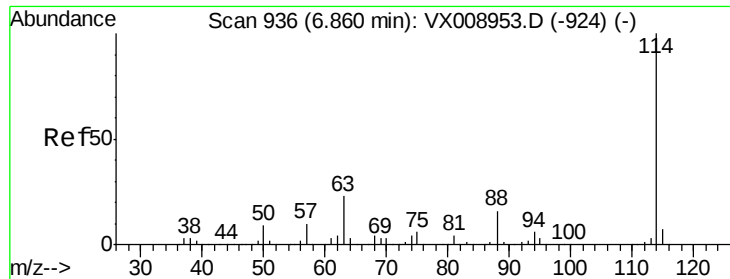
Tgt Ion: 65 Resp: 176290

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.6

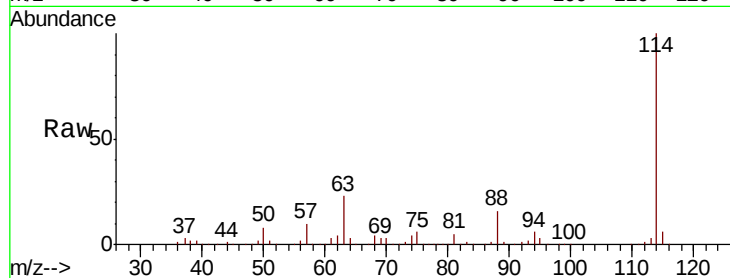




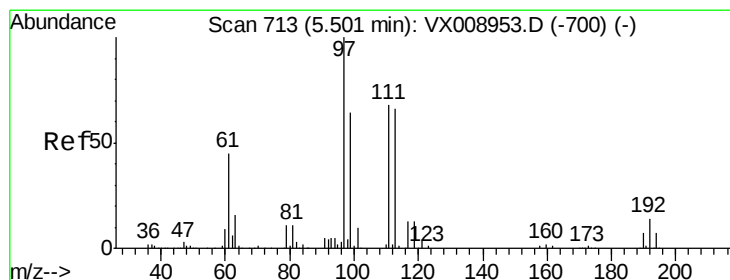
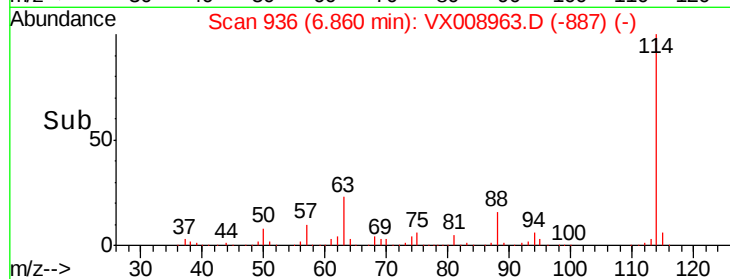
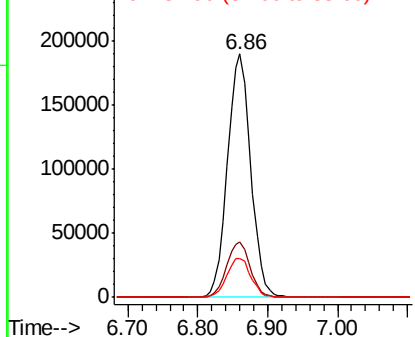
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008963.D
 Acq: 15 Apr 2019 16:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW320-190410DL

Tot Ion:114 Resp: 437810
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.0
 88 16.1 0.0 32.6

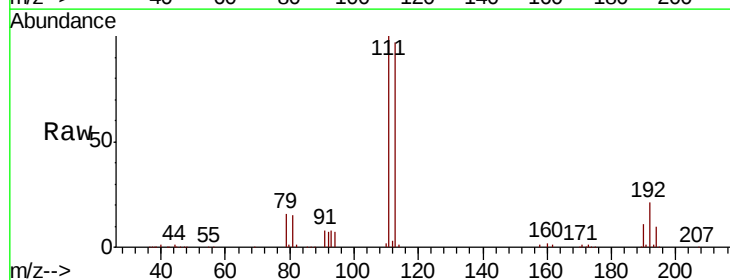


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

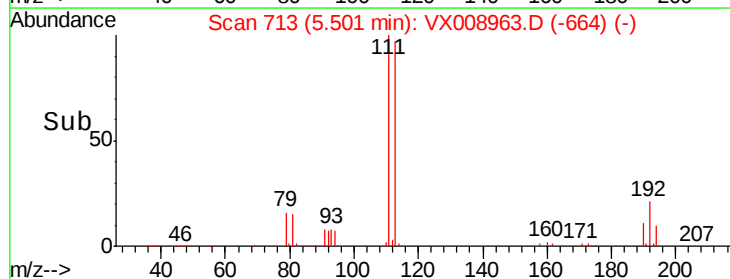
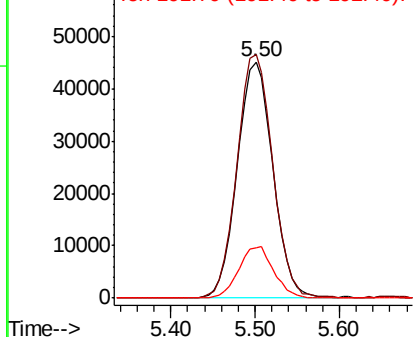


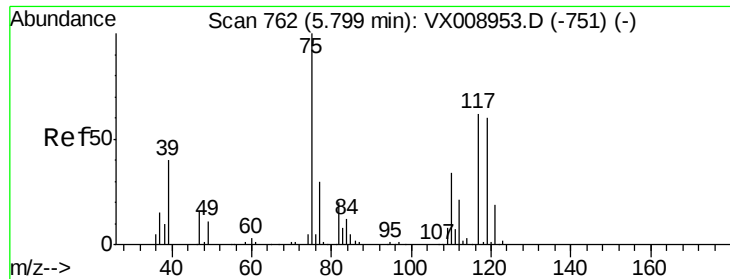
#35
 Dibromofluoromethane
 Concen: 45.948 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008963.D
 Acq: 15 Apr 2019 16:23

Tgt Ion:113 Resp: 129102
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 21.5 17.4 26.0



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: 4.799 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

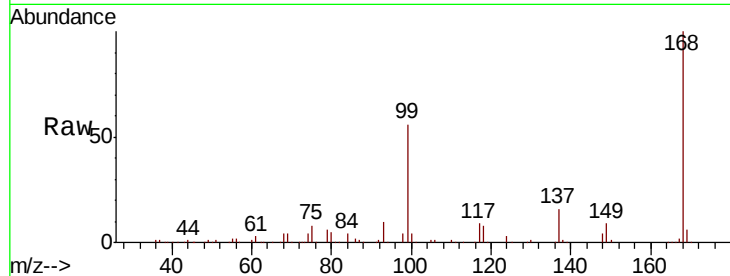
Tot Ion: 75 Resp: 21728

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

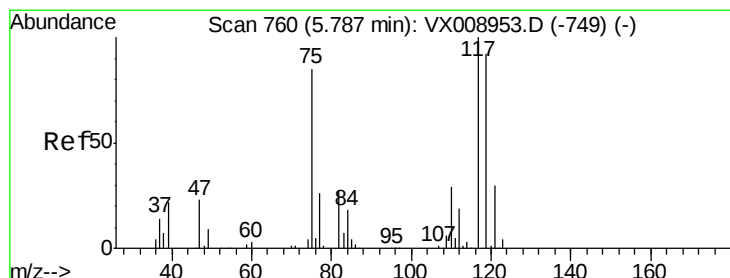
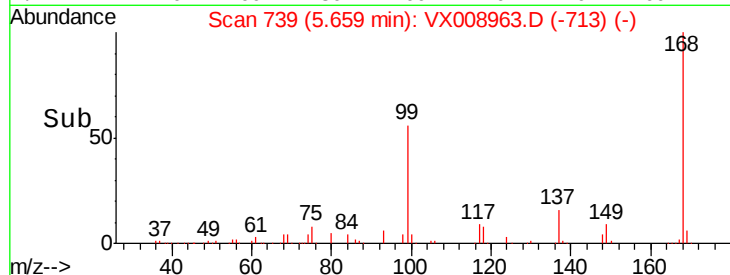
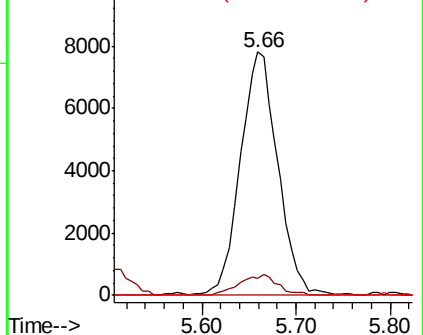
77 0.0 25.0 37.4#



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: 6.767 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

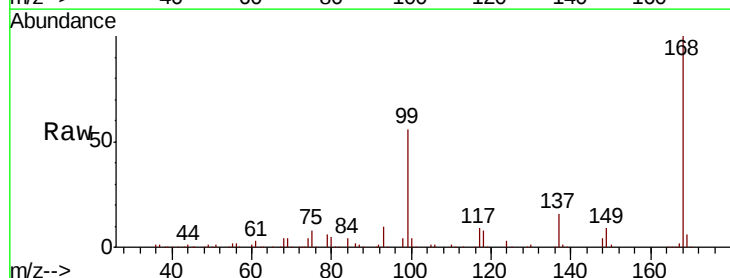
Tgt Ion:117 Resp: 25977

Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

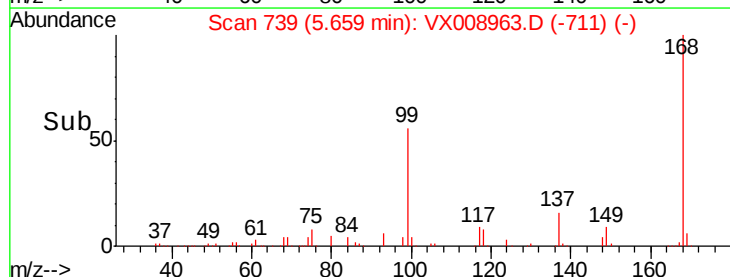
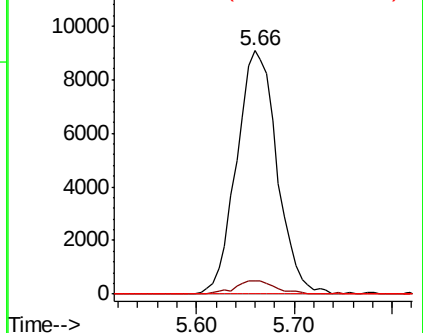
121 0.0 23.6 35.4#

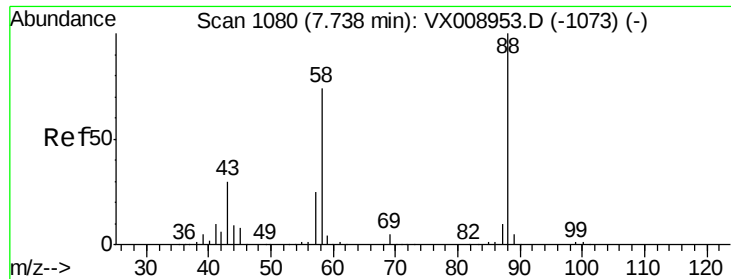


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.253 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

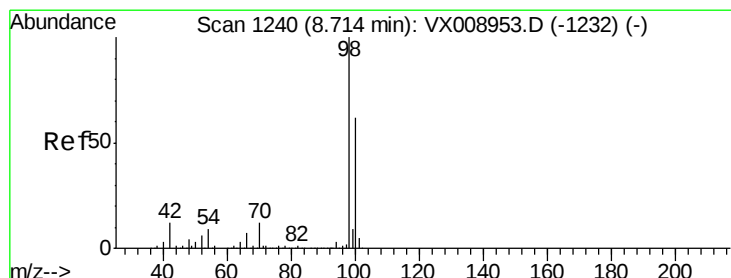
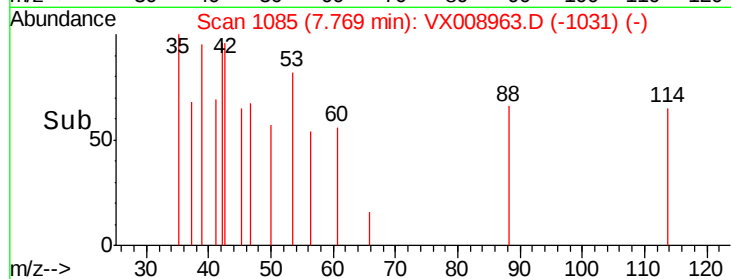
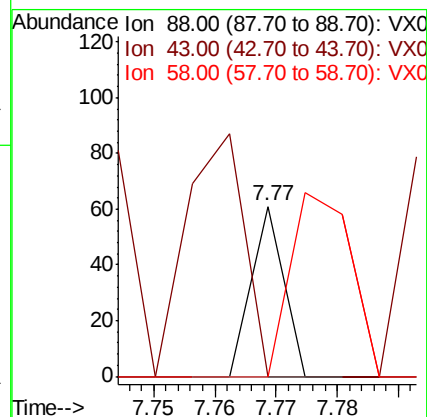
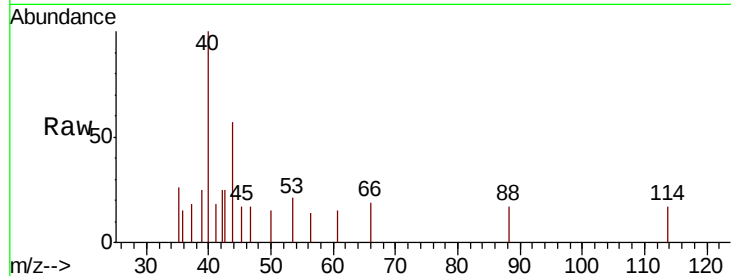
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 395.5 29.3 43.9#

58 204.5 62.6 93.8#



#50

Toluene-d8

Concen: 47.866 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008963.D

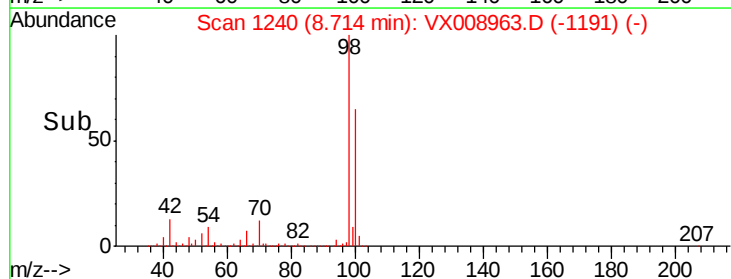
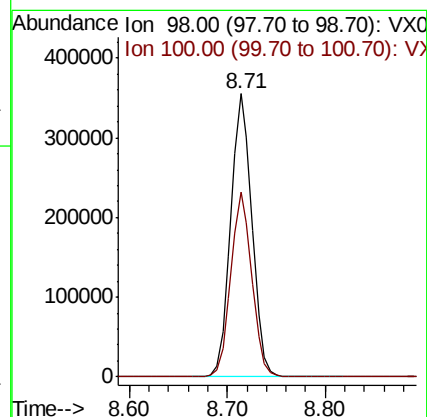
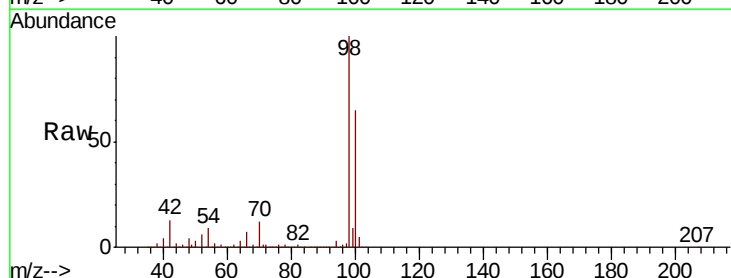
Acq: 15 Apr 2019 16:23

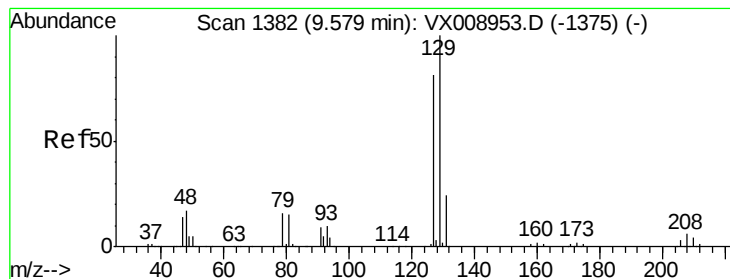
Tgt Ion: 98 Resp: 536366

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2





#60

Dibromochloromethane

Concen: 2.217 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

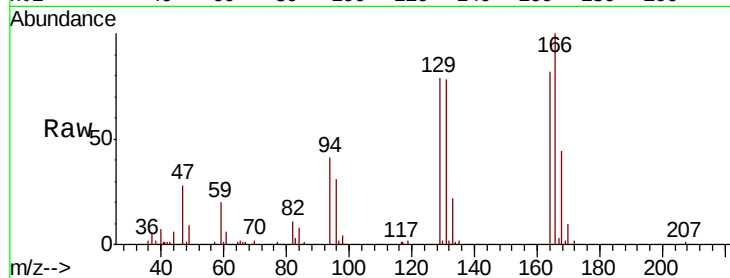
SS040MW320-190410DL

Tot Ion:129 Resp: 6741

Ion Ratio Lower Upper

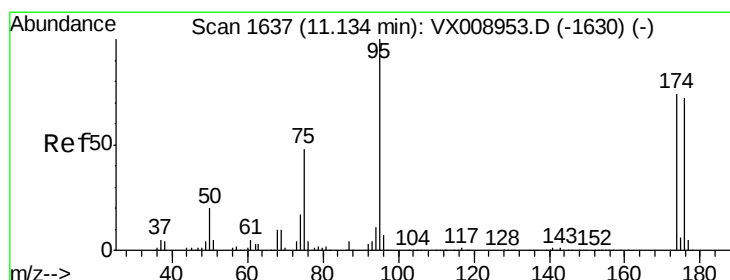
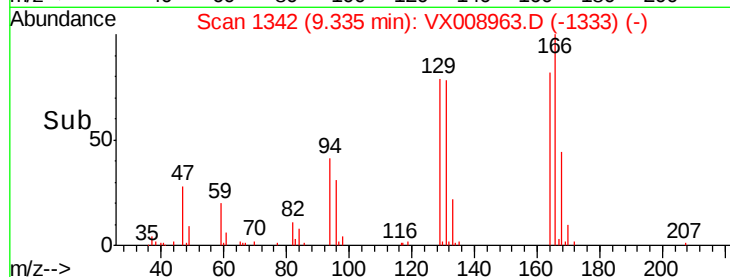
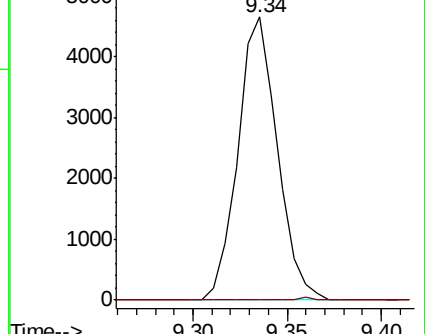
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.719 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

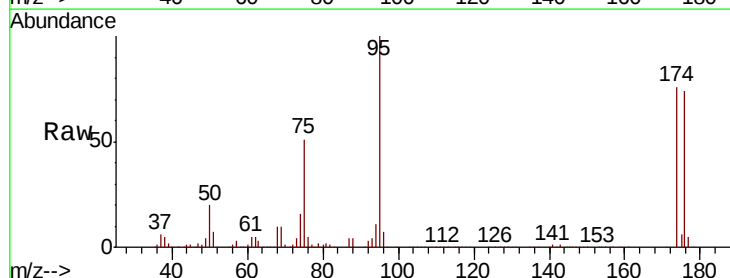
Tgt Ion: 95 Resp: 180844

Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.6

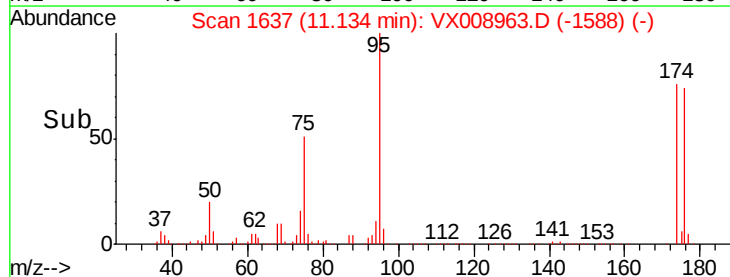
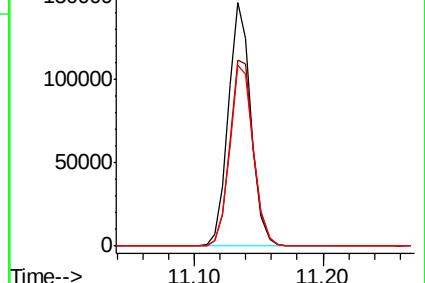
176 77.2 0.0 154.8

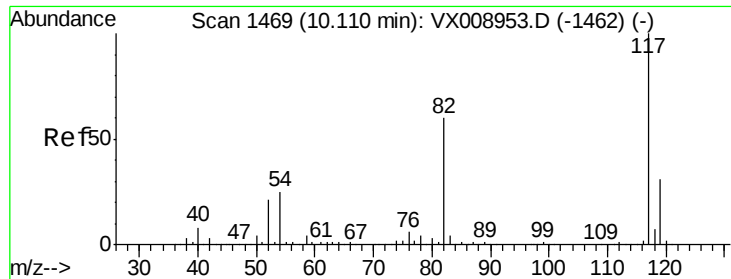


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

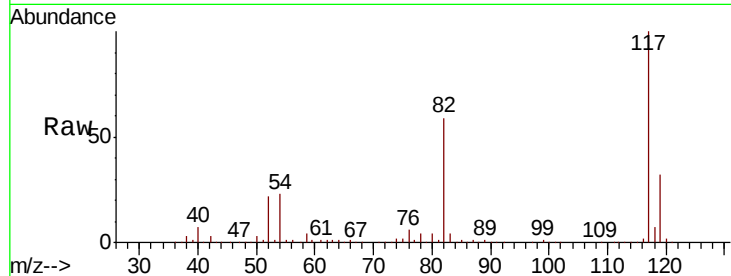




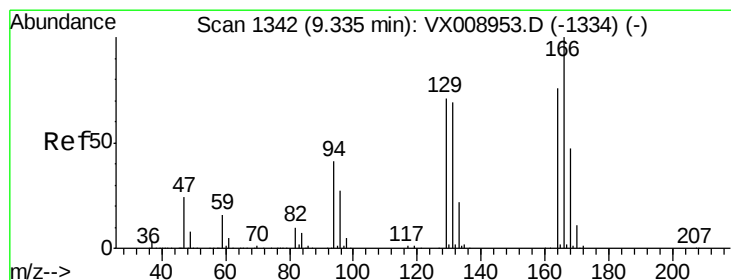
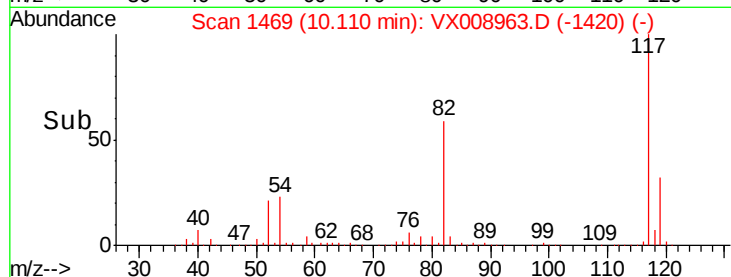
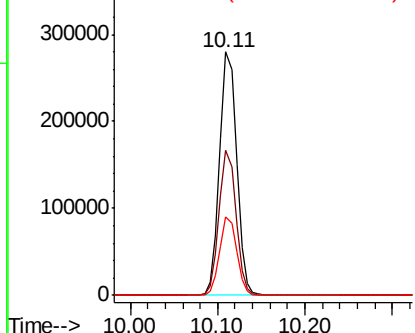
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008963.D
Acq: 15 Apr 2019 16:23

Instrument :
MSVOA_X
ClientSampleId :
SS040MW320-190410DL

Tot Ion:117 Resp: 378363
Ion Ratio Lower Upper
117 100
82 59.4 48.2 72.4
119 32.2 25.0 37.6

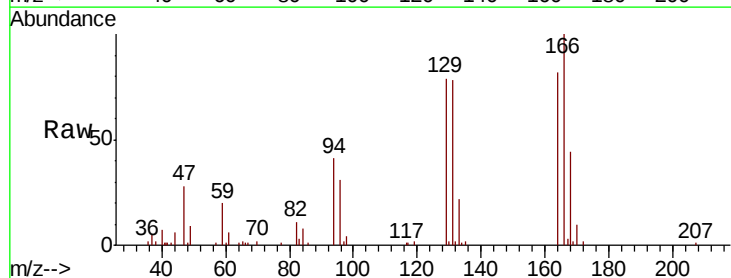


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

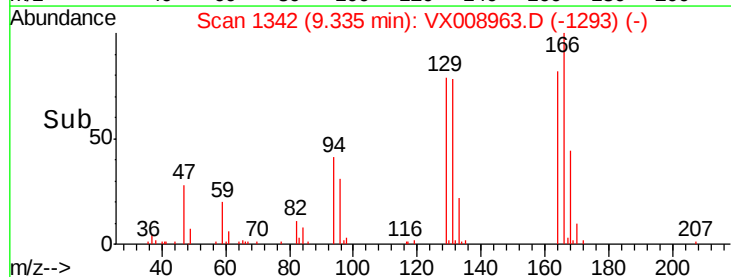
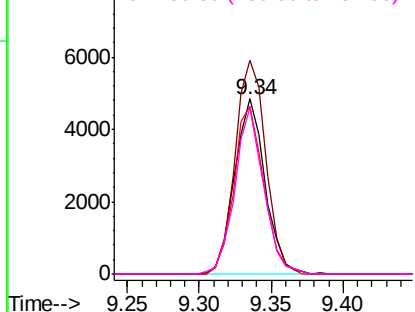


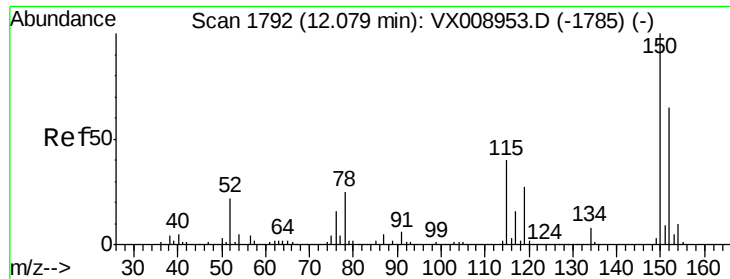
#64
Tetrachloroethene
Concen: 2.506 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008963.D
Acq: 15 Apr 2019 16:23

Tgt Ion:164 Resp: 7204
Ion Ratio Lower Upper
164 100
166 122.1 105.0 157.4
129 96.2 74.2 111.4
131 94.8 72.2 108.2



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: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

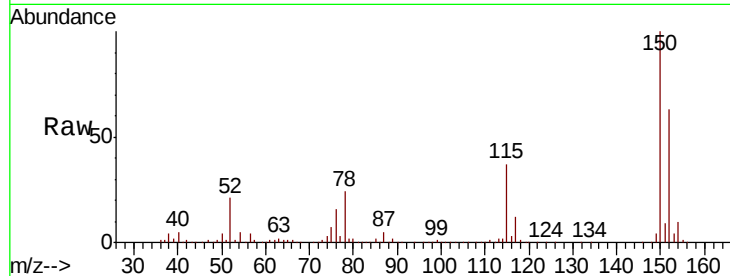
Tot Ion:152 Resp: 162143

Ion Ratio Lower Upper

152 100

115 59.3 41.4 124.2

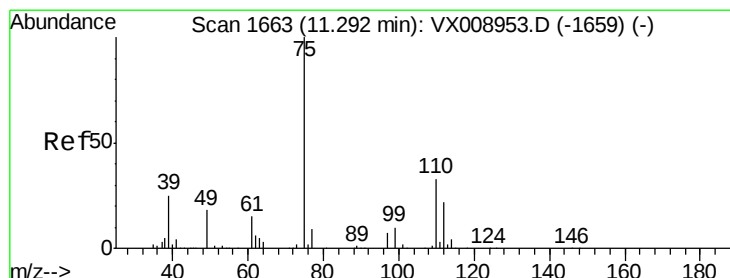
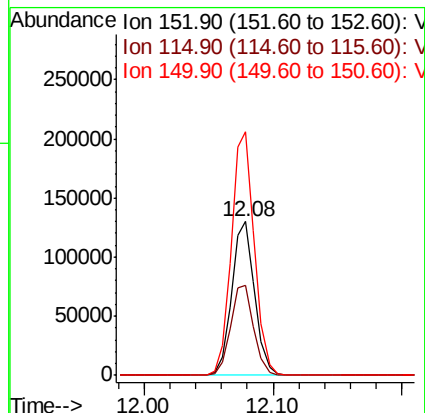
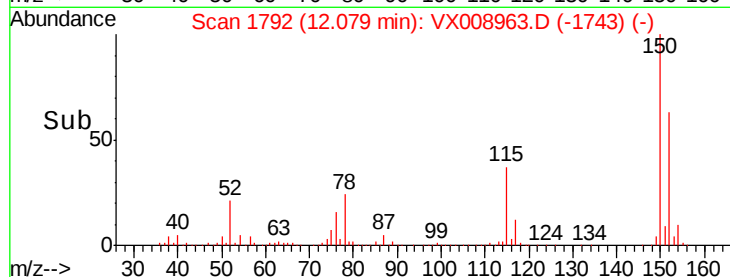
150 157.8 0.0 349.8



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: 22.966 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008963.D

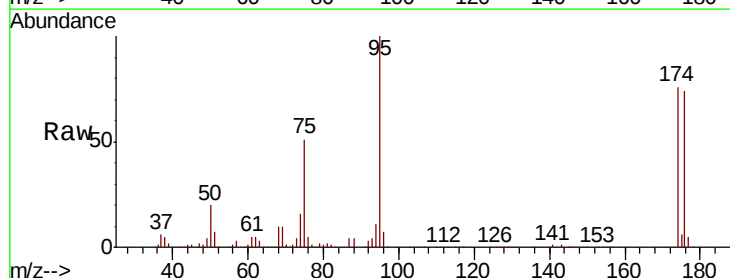
Acq: 15 Apr 2019 16:23

Tgt Ion: 75 Resp: 90928

Ion Ratio Lower Upper

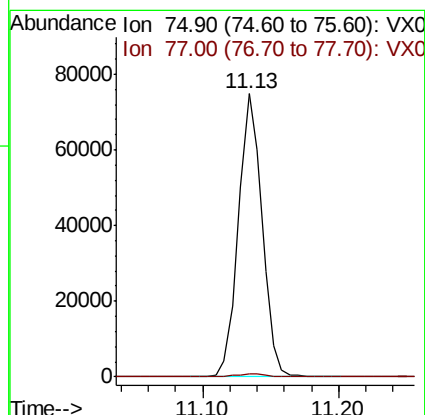
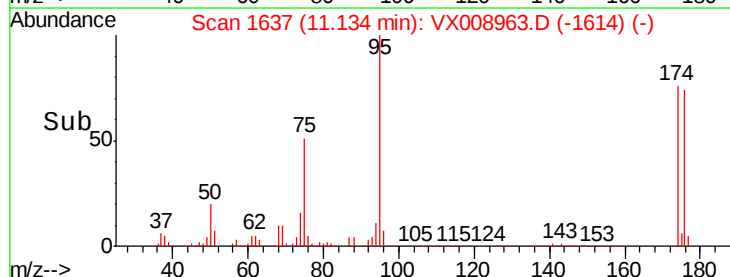
75 100

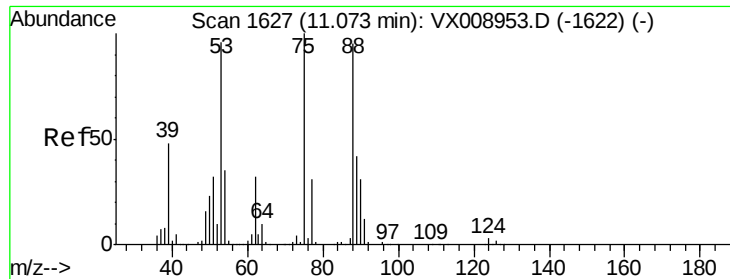
77 1.3 22.7 68.0#



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: 58.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008963.D

Acq: 15 Apr 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

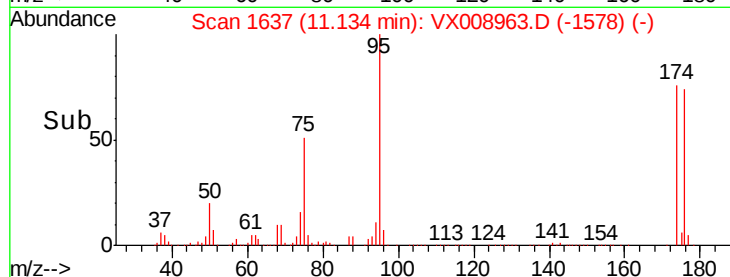
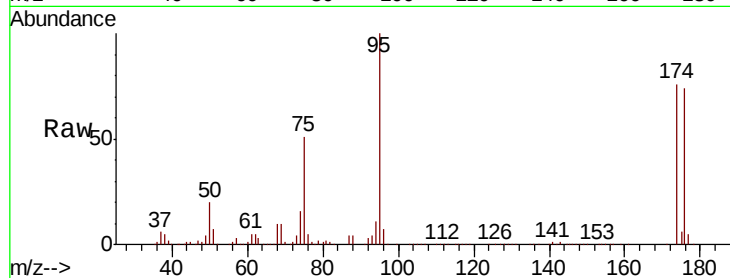
Tot Ion: 75 Resp: 90928

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 36.0 54.0#



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

