

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008984.D
 Acq On : 16 Apr 2019 13:55
 Operator : JC/SP
 Sample : K2385-12DL 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW320-190410DL

Quant Time: Apr 17 04:17:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

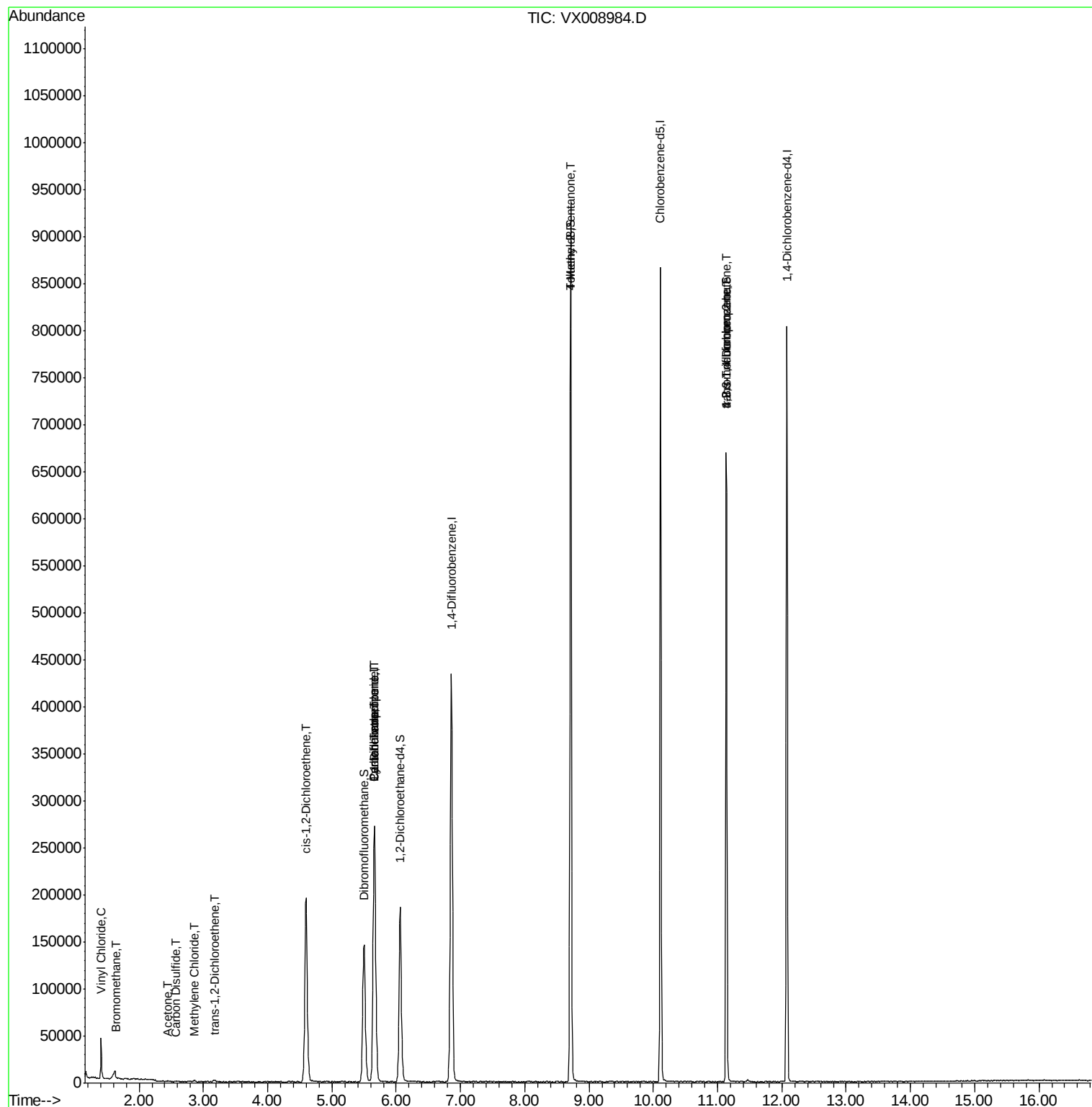
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	265378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	421527	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	370944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	172205	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
35) Dibromofluoromethane	5.50	113	125676	46.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.92%	
50) Toluene-d8	8.71	98	533853	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	179819	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
Target Compounds				Qvalue		
4) Vinyl Chloride	1.41	62	30456	8.339	ug/l	97
5) Bromomethane	1.64	94	366	3.996	ug/l #	73
16) Acetone	2.45	43	617	0.318	ug/l #	81
17) Carbon Disulfide	2.57	76	589	1.321	ug/l #	75
20) Methylene Chloride	2.85	84	729	0.220	ug/l #	74
21) trans-1,2-Dichloroethene	3.17	96	793	0.261	ug/l #	71
27) cis-1,2-Dichloroethene	4.60	96	122311	35.490	ug/l	90
28) Bromochloromethane	5.00	49	82	Below Cal	#	21
31) Cyclohexane	5.66	56	6080	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	21193	4.861	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25096	6.790	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	2884	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	91419	23.670	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	91419	60.767	ug/l #	11

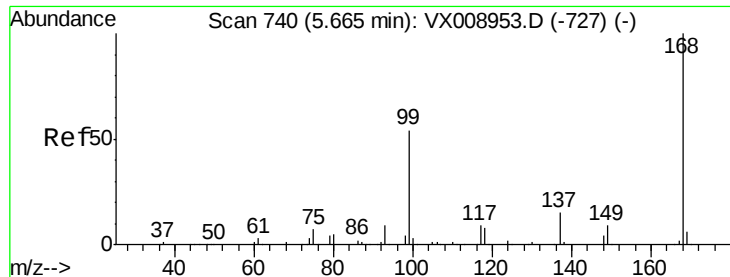
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

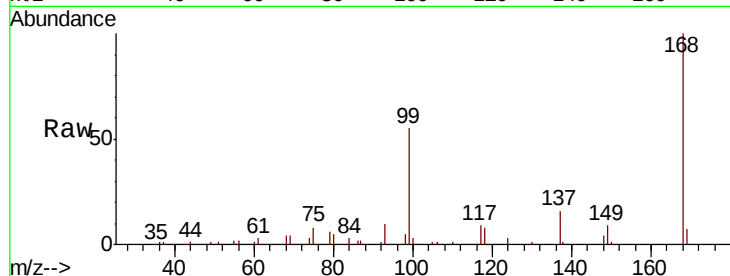
SS040MW320-190410DL

Tot Ion:168 Resp: 265378

Ion Ratio Lower Upper

168 100

99 55.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

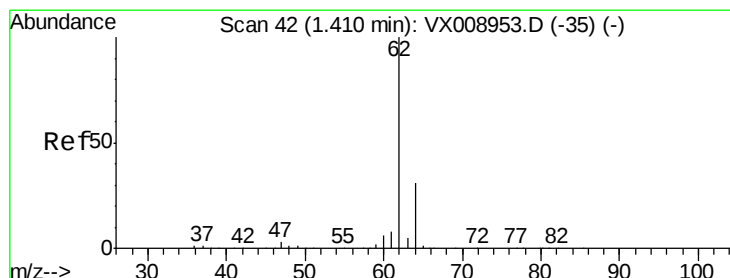
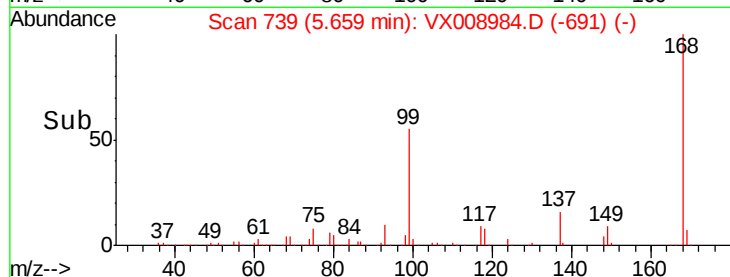
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 8.339 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008984.D

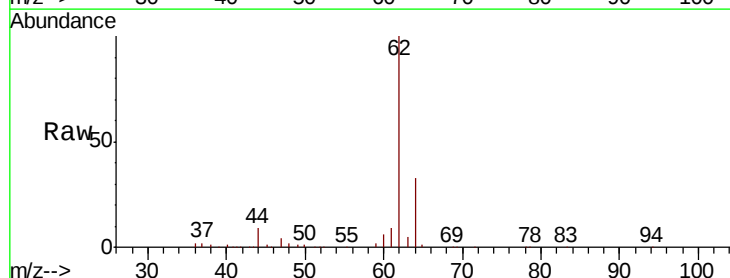
Acq: 16 Apr 2019 13:55

Tgt Ion: 62 Resp: 30456

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

30000

25000

20000

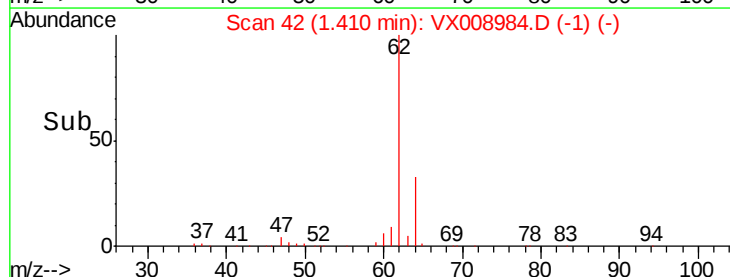
15000

10000

5000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 3.996 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

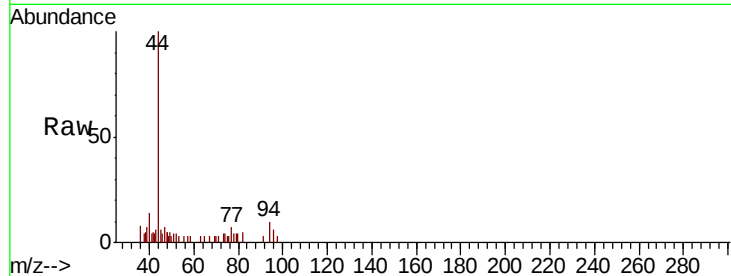
SS040MW320-190410DL

Tot Ion: 94 Resp: 366

Ion Ratio Lower Upper

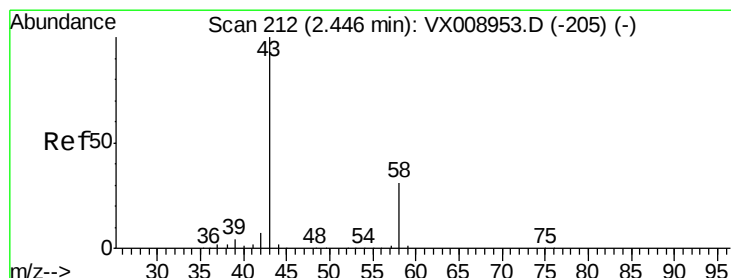
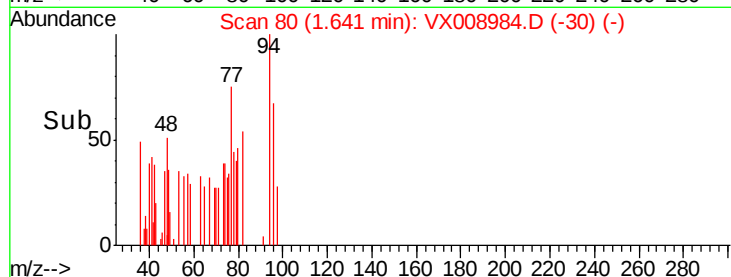
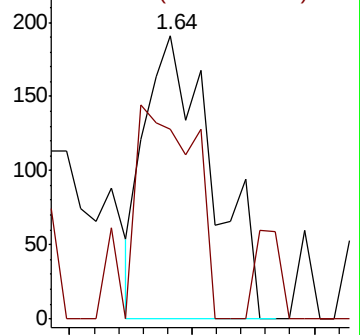
94 100

96 67.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#16

Acetone

Concen: 0.318 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008984.D

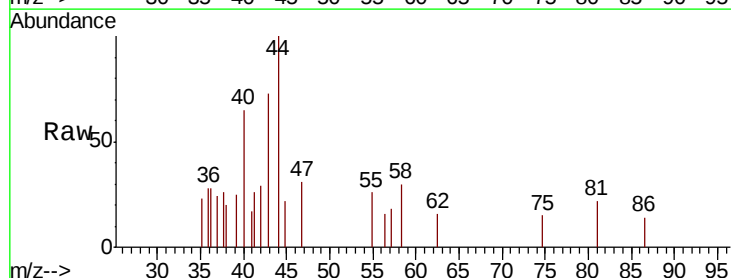
Acq: 16 Apr 2019 13:55

Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

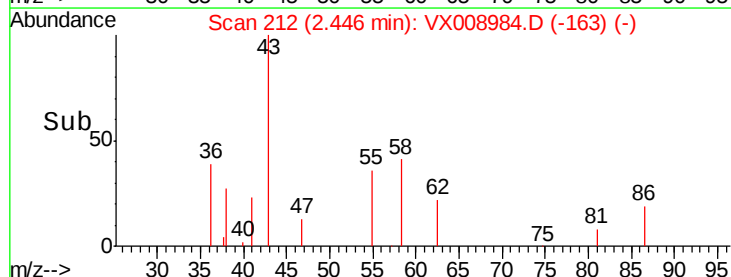
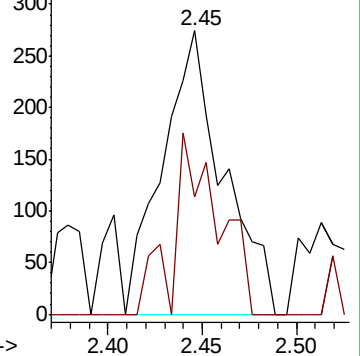
43 100

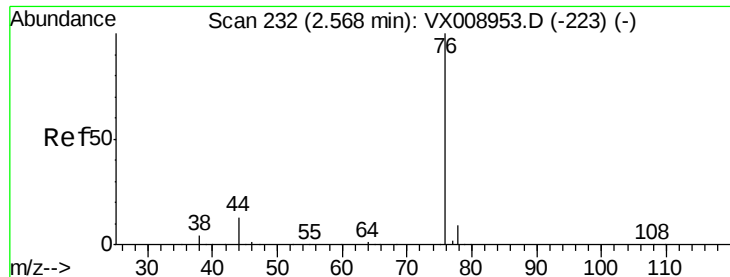
58 41.2 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.321 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

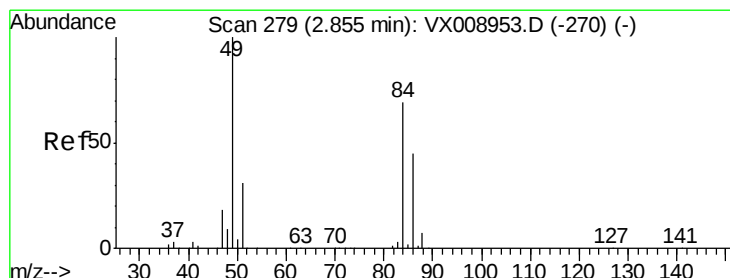
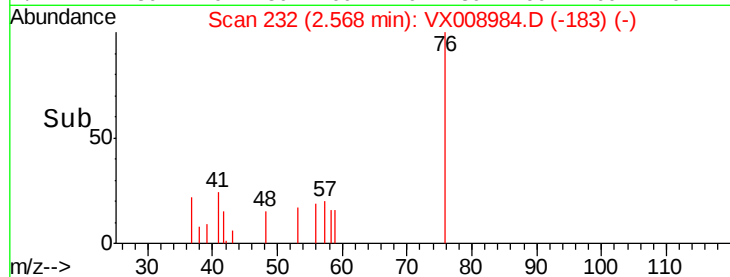
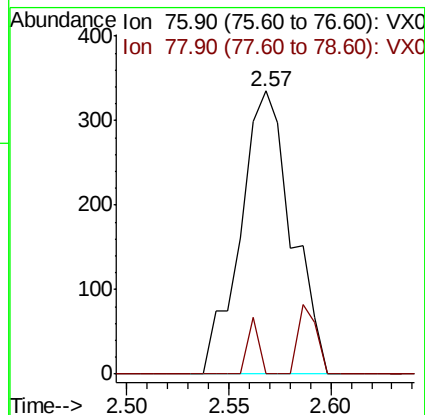
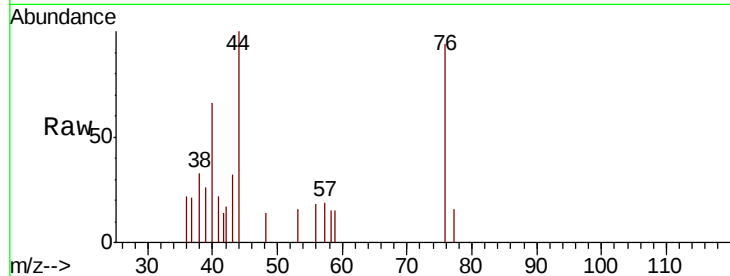
SS040MW320-190410DL

Tot Ion: 76 Resp: 589

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.220 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Tgt Ion: 84 Resp: 729

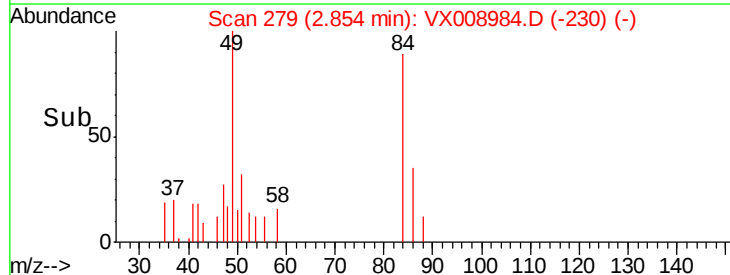
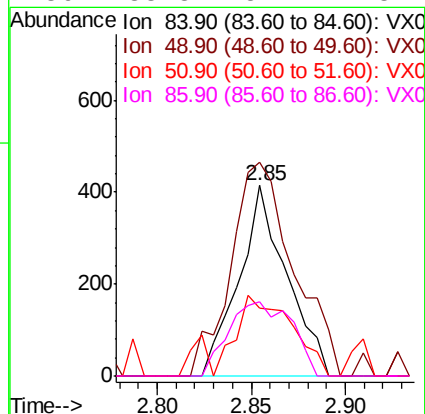
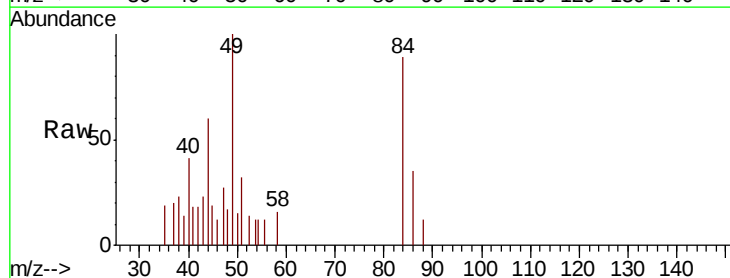
Ion Ratio Lower Upper

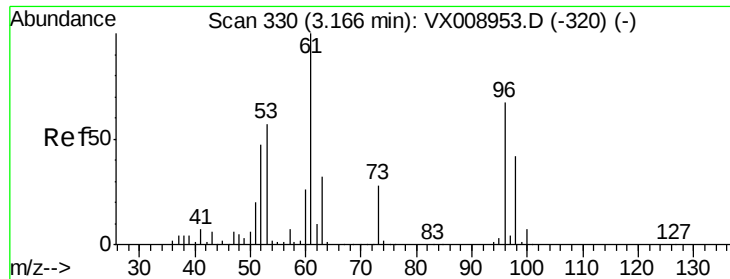
84 100

49 112.0 115.4 173.0#

51 35.9 35.8 53.6

86 38.8 52.1 78.1#





#21

trans-1,2-Dichloroethene

Concen: 0.261 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

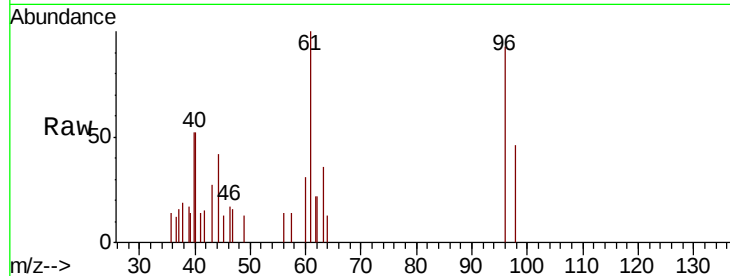
Tot Ion: 96 Resp: 793

Ion Ratio Lower Upper

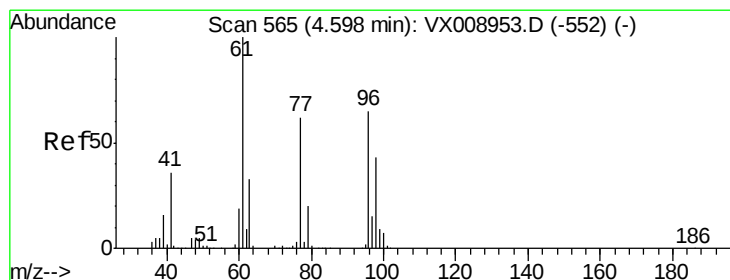
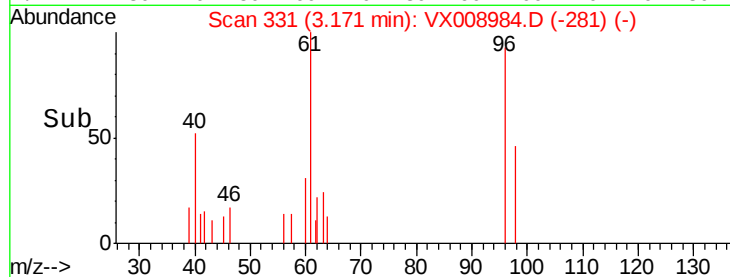
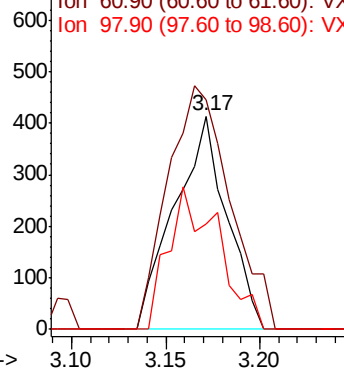
96 100

61 107.7 120.3 180.5#

98 49.6 50.2 75.2#



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



#27

cis-1,2-Dichloroethene

Concen: 35.490 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

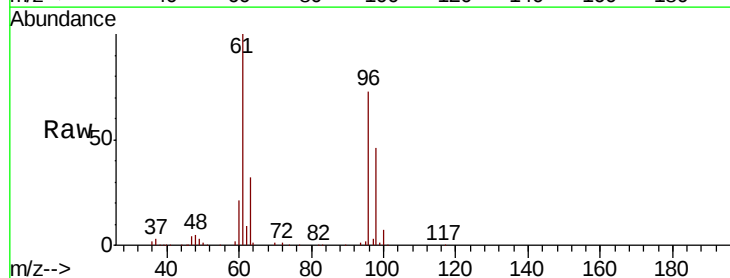
Tgt Ion: 96 Resp: 122311

Ion Ratio Lower Upper

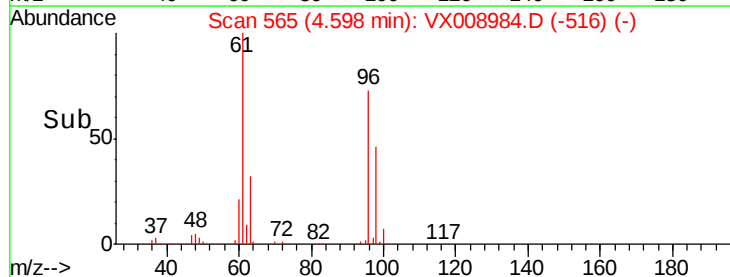
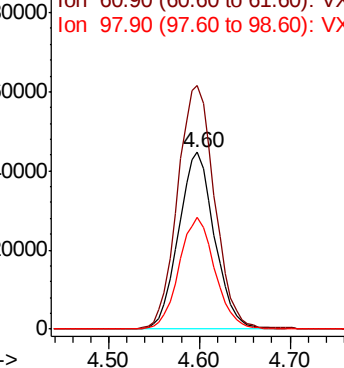
96 100

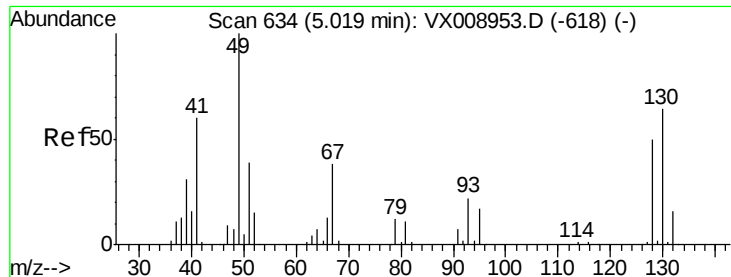
61 142.5 0.0 322.0

98 63.3 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: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

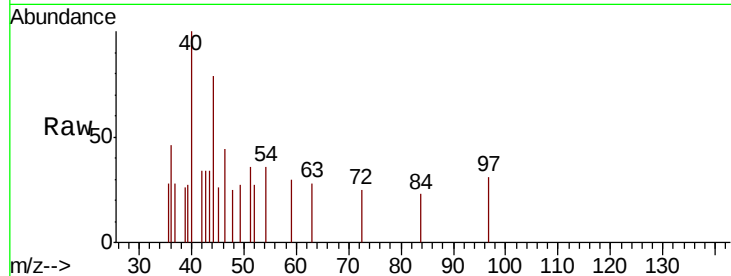
Tot Ion: 49 Resp: 82

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

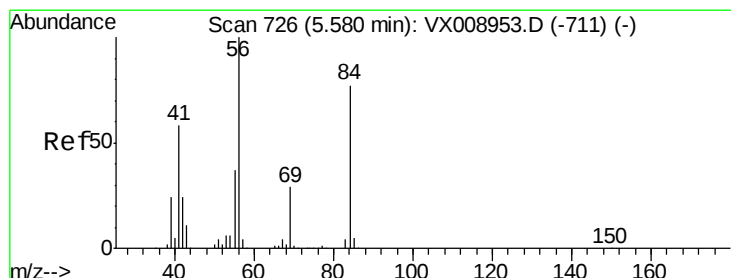
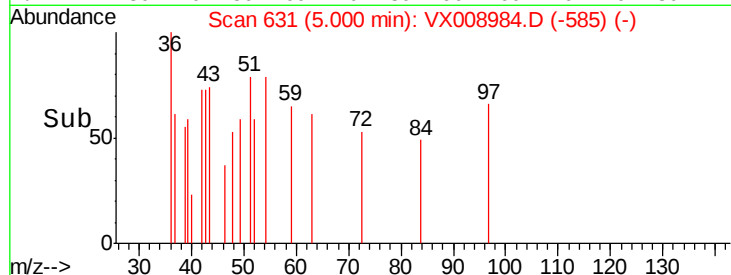
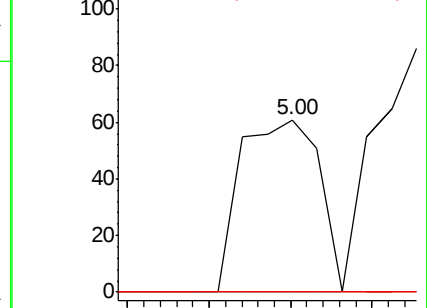
130 0.0 50.4 75.6#



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



#31

Cyclohexane

Concen: 1.021 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

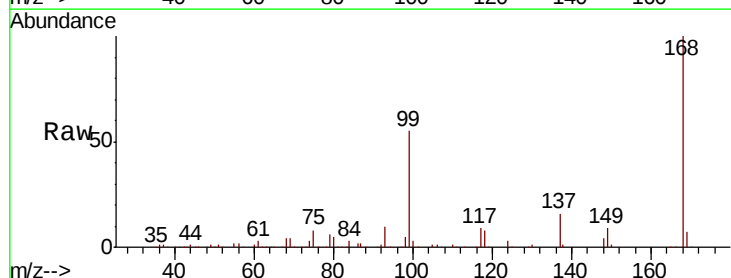
Tgt Ion: 56 Resp: 6080

Ion Ratio Lower Upper

56 100

69 178.4 23.3 34.9#

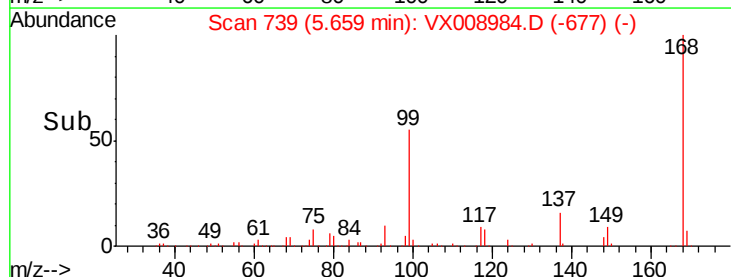
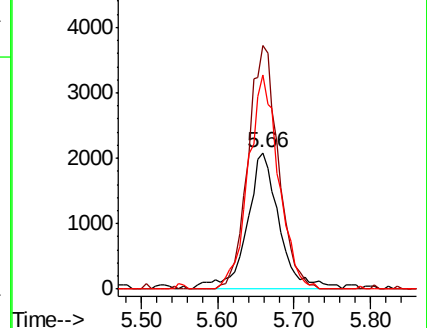
84 157.3 61.7 92.5#

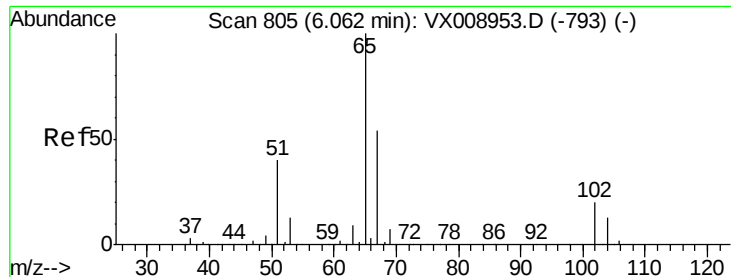


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.045 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

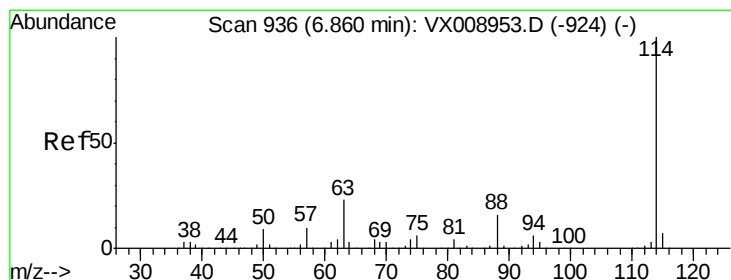
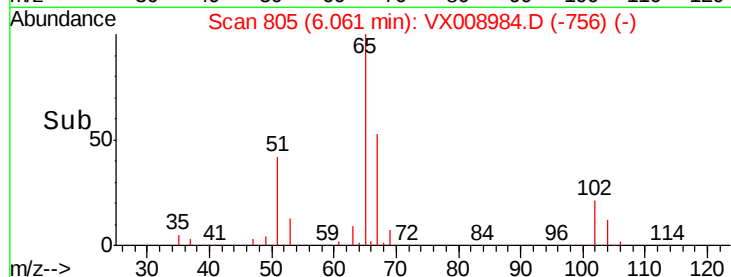
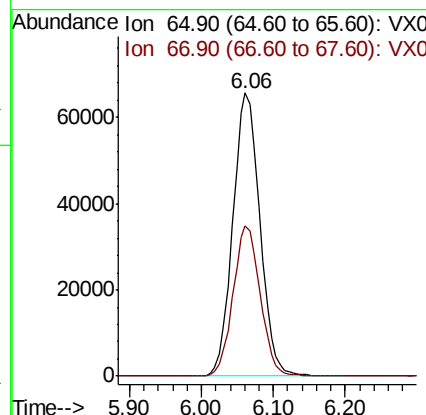
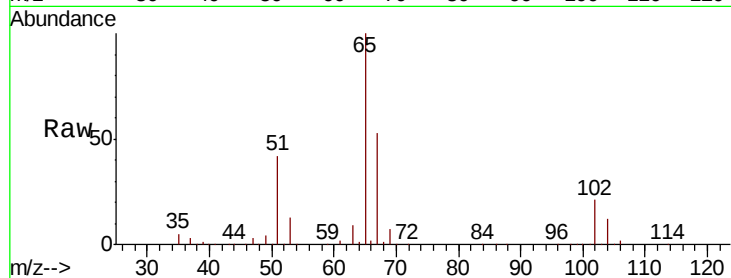
SS040MW320-190410DL

Tot Ion: 65 Resp: 172205

Ion Ratio Lower Upper

65 100

67 53.3 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: VX008984.D

Acq: 16 Apr 2019 13:55

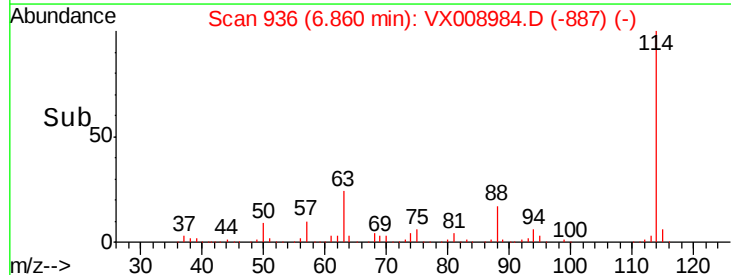
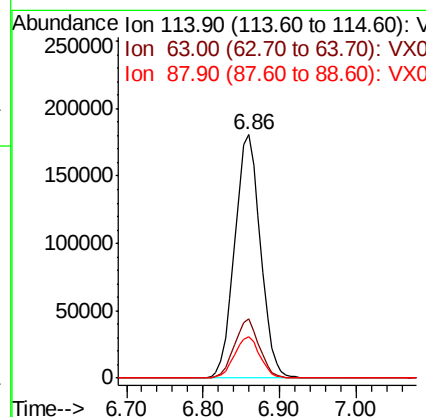
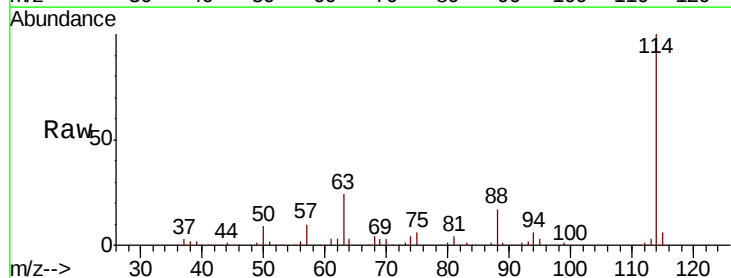
Tgt Ion: 114 Resp: 421527

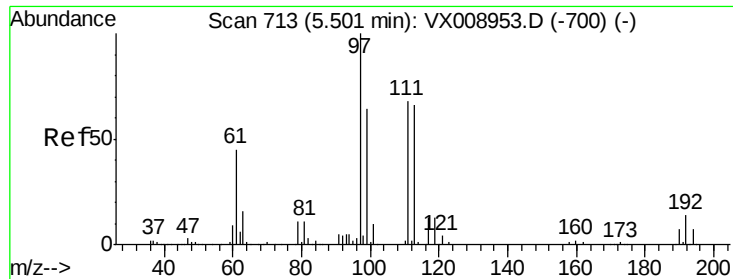
Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.0

88 17.1 0.0 32.6

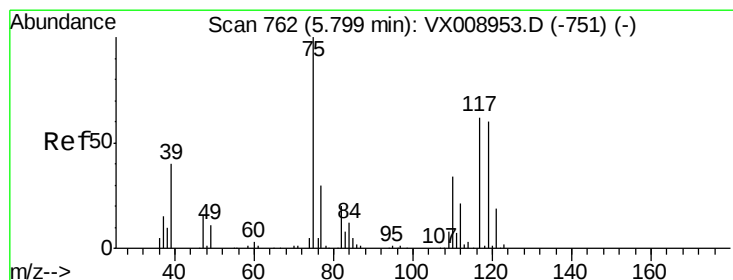
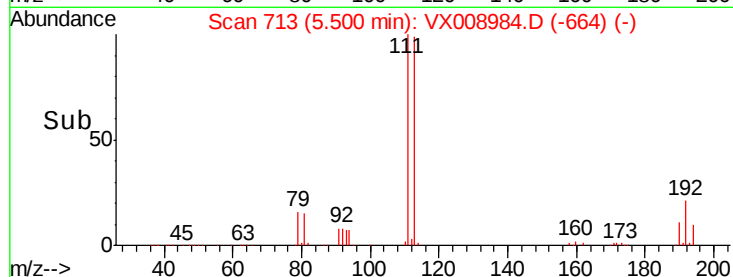
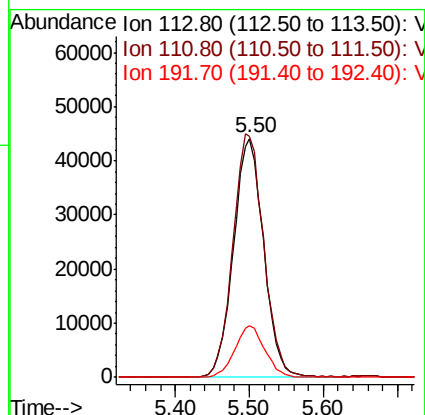
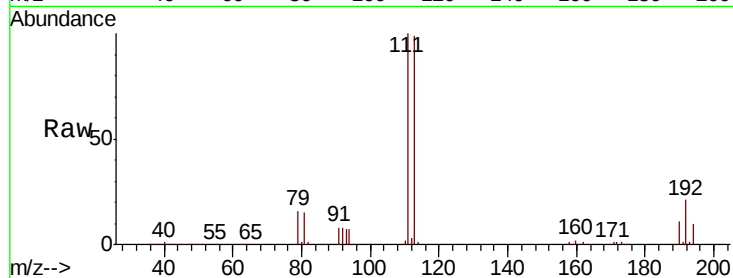




#35
 Dibromofluoromethane
 Concen: 46.456 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008984.D
 Acq: 16 Apr 2019 13:55

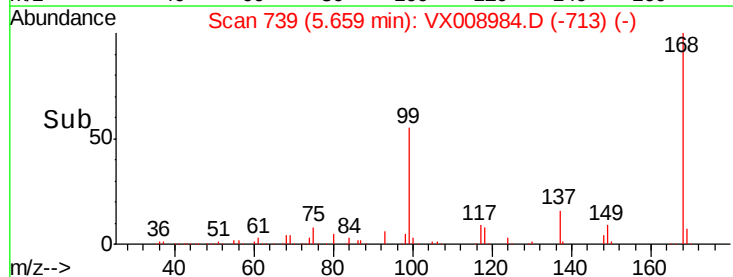
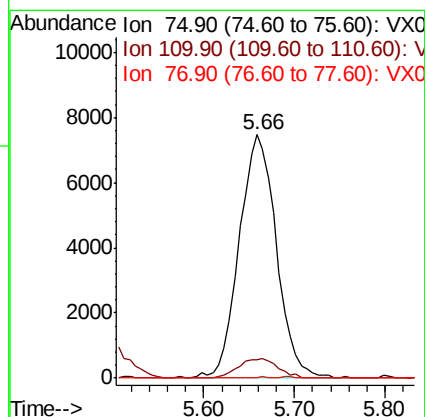
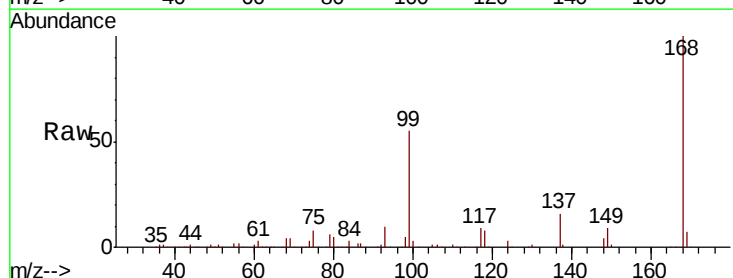
Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW320-190410DL

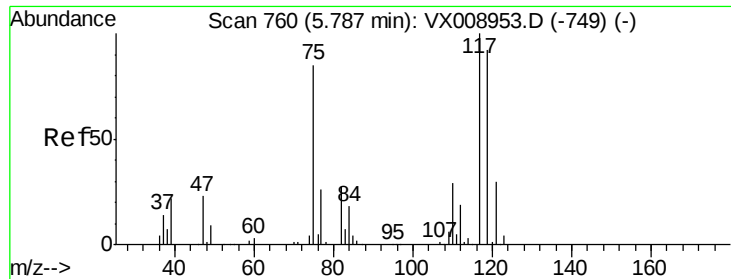
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	21.4	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008984.D
 Acq: 16 Apr 2019 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.9	50.7#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.790 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

SS040MW320-190410DL

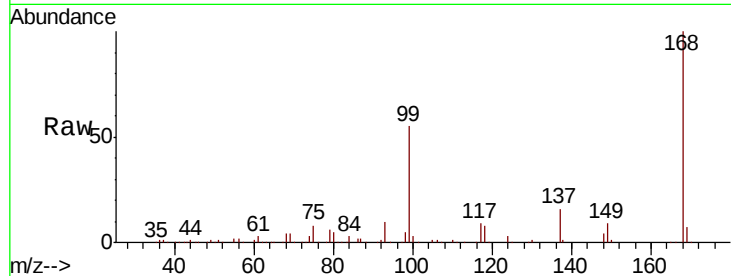
Tot Ion:117 Resp: 25096

Ion Ratio Lower Upper

117 100

119 4.9 73.8 110.8#

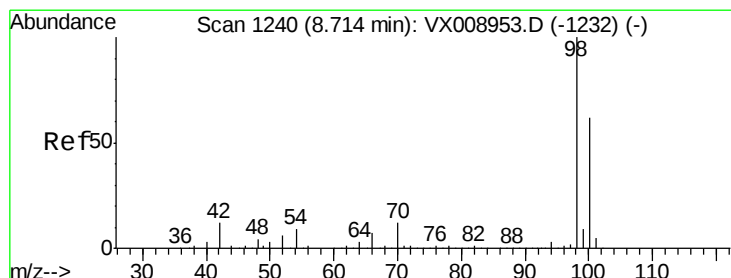
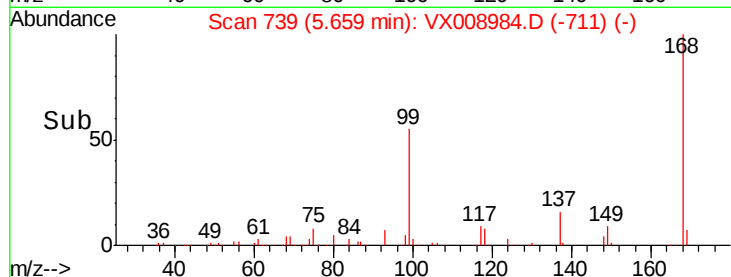
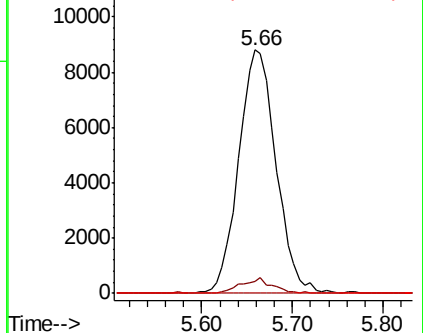
121 0.0 23.6 35.4#



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



#50

Toluene-d8

Concen: 49.482 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008984.D

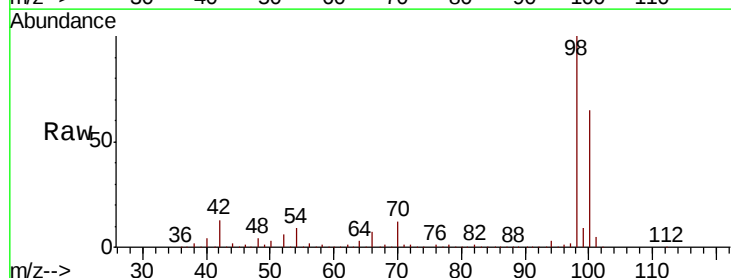
Acq: 16 Apr 2019 13:55

Tgt Ion: 98 Resp: 533853

Ion Ratio Lower Upper

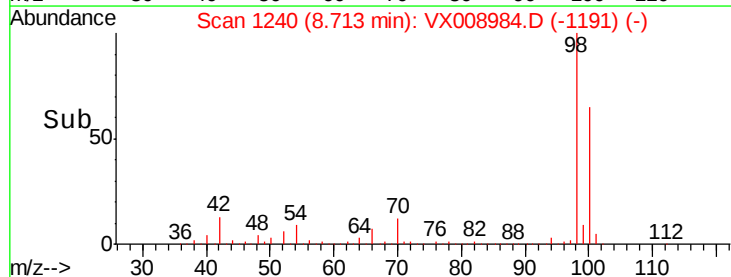
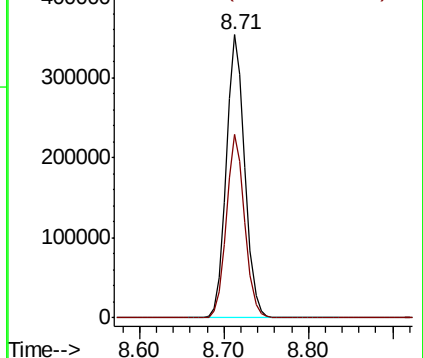
98 100

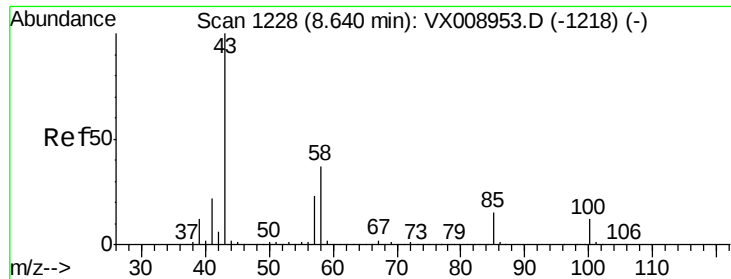
100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.501 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

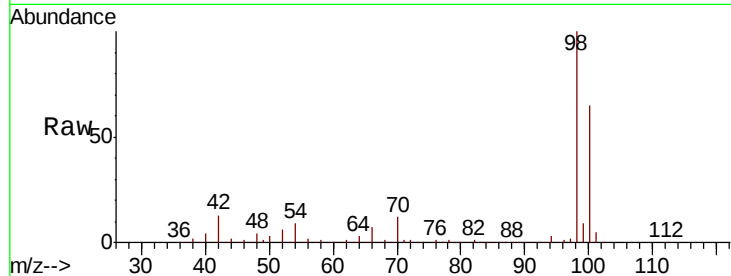
SS040MW320-190410DL

Tot Ion: 43 Resp: 2884

Ion Ratio Lower Upper

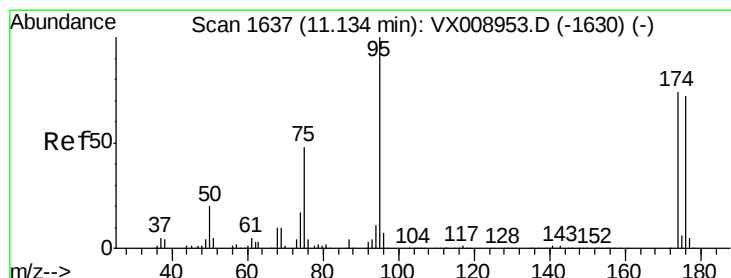
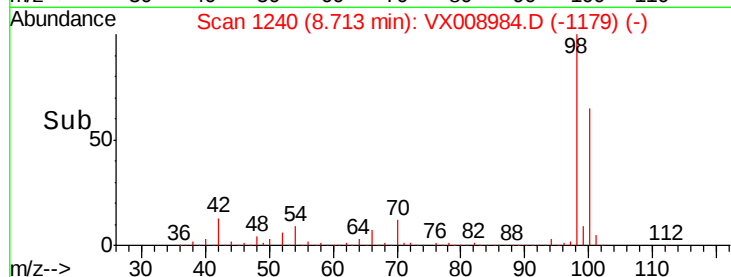
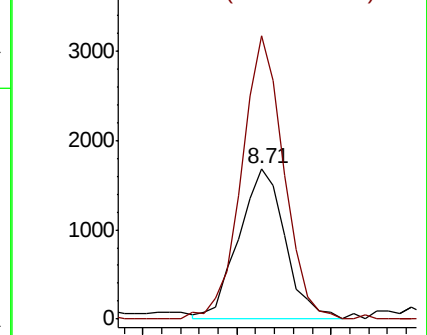
43 100

58 170.3 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.216 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008984.D

Acq: 16 Apr 2019 13:55

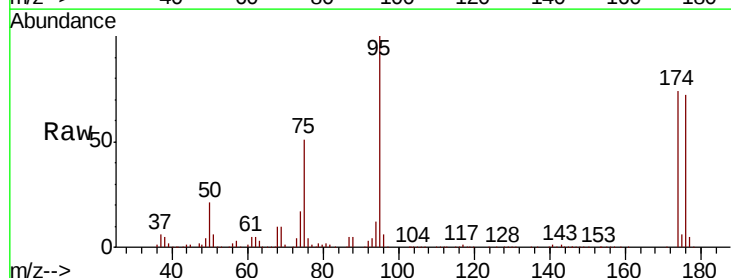
Tgt Ion: 95 Resp: 179819

Ion Ratio Lower Upper

95 100

174 78.8 0.0 159.6

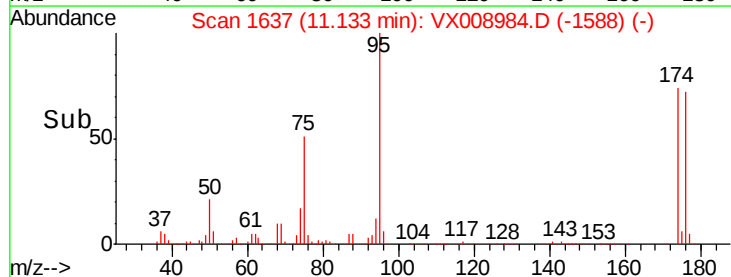
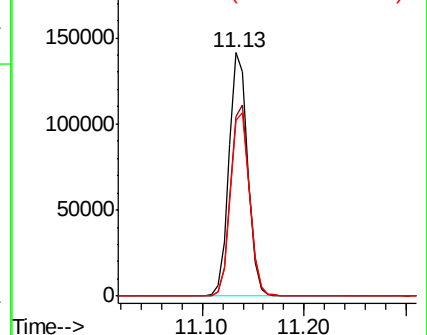
176 76.6 0.0 154.8

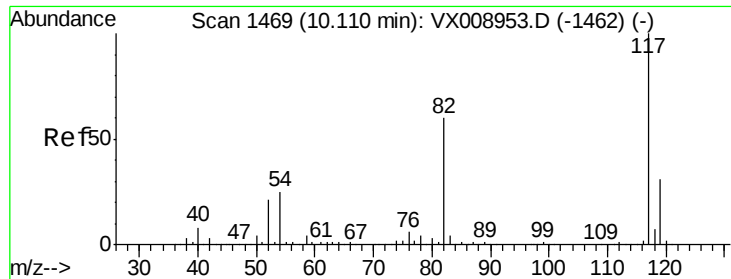


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

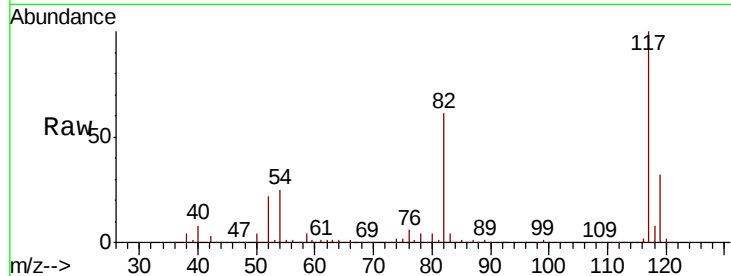




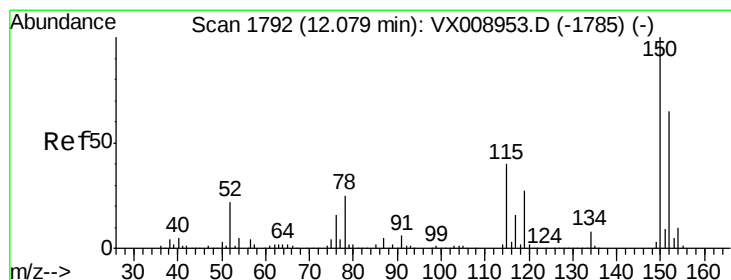
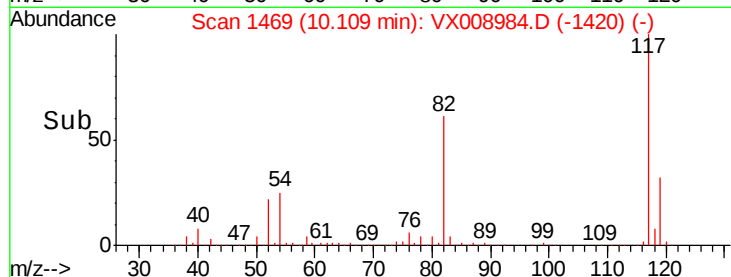
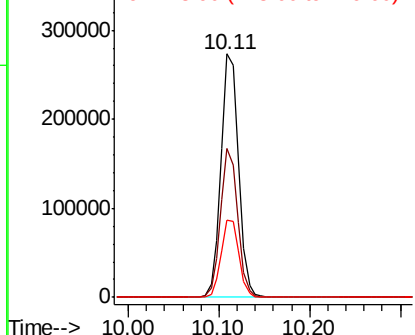
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008984.D
Acq: 16 Apr 2019 13:55

Instrument :
MSVOA_X
ClientSampleId :
SS040MW320-190410DL

Tot Ion:117 Resp: 370944
Ion Ratio Lower Upper
117 100
82 61.1 48.2 72.4
119 31.6 25.0 37.6

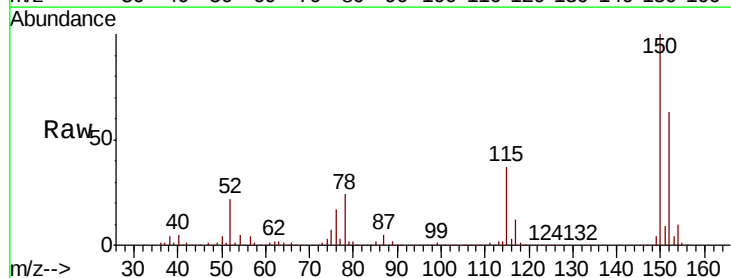


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

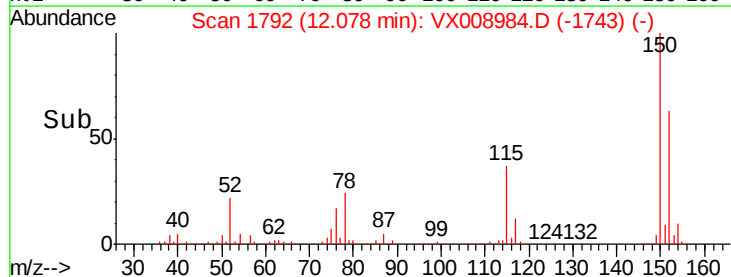
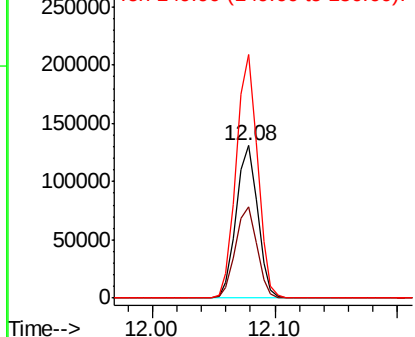


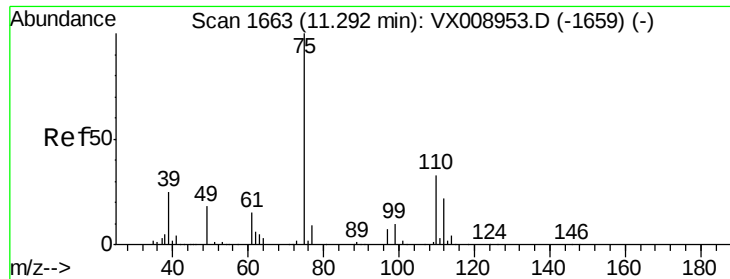
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008984.D
Acq: 16 Apr 2019 13:55

Tgt Ion:152 Resp: 158172
Ion Ratio Lower Upper
152 100
115 60.2 41.4 124.2
150 158.7 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

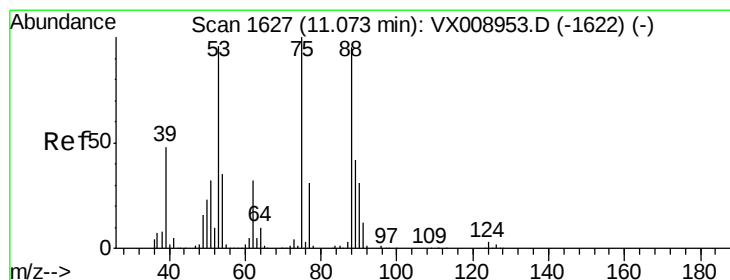
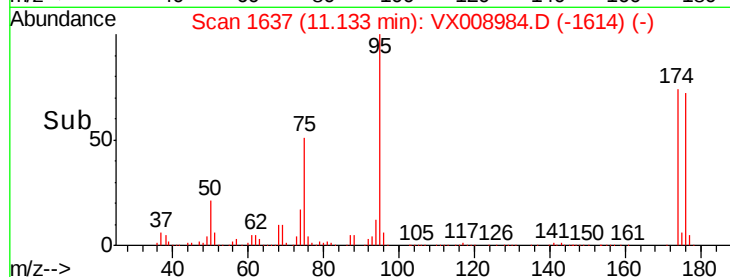
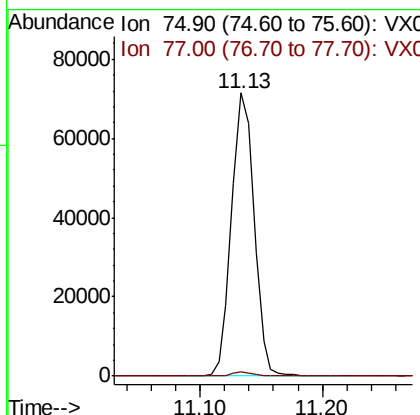
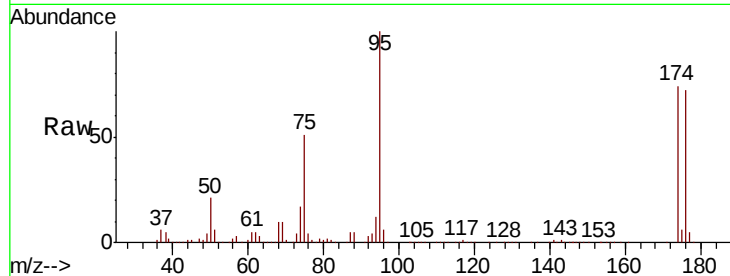




#76
 1,2,3-Trichloropropane
 Concen: 23.670 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008984.D
 Acq: 16 Apr 2019 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW320-190410DL

Tot Ion: 75 Resp: 91419
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.767 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008984.D
 Acq: 16 Apr 2019 13:55

Tgt Ion: 75 Resp: 91419
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 36.0 54.0#

