

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040519\
 Data File : VX008701.D
 Acq On : 05 Apr 2019 22:49
 Operator : JC/SP
 Sample : K2275-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB-2019-1

Quant Time: Apr 06 01:30:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132784	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	145719	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	5.50	113	107370	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	8.71	98	448900	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.13	95	152328	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

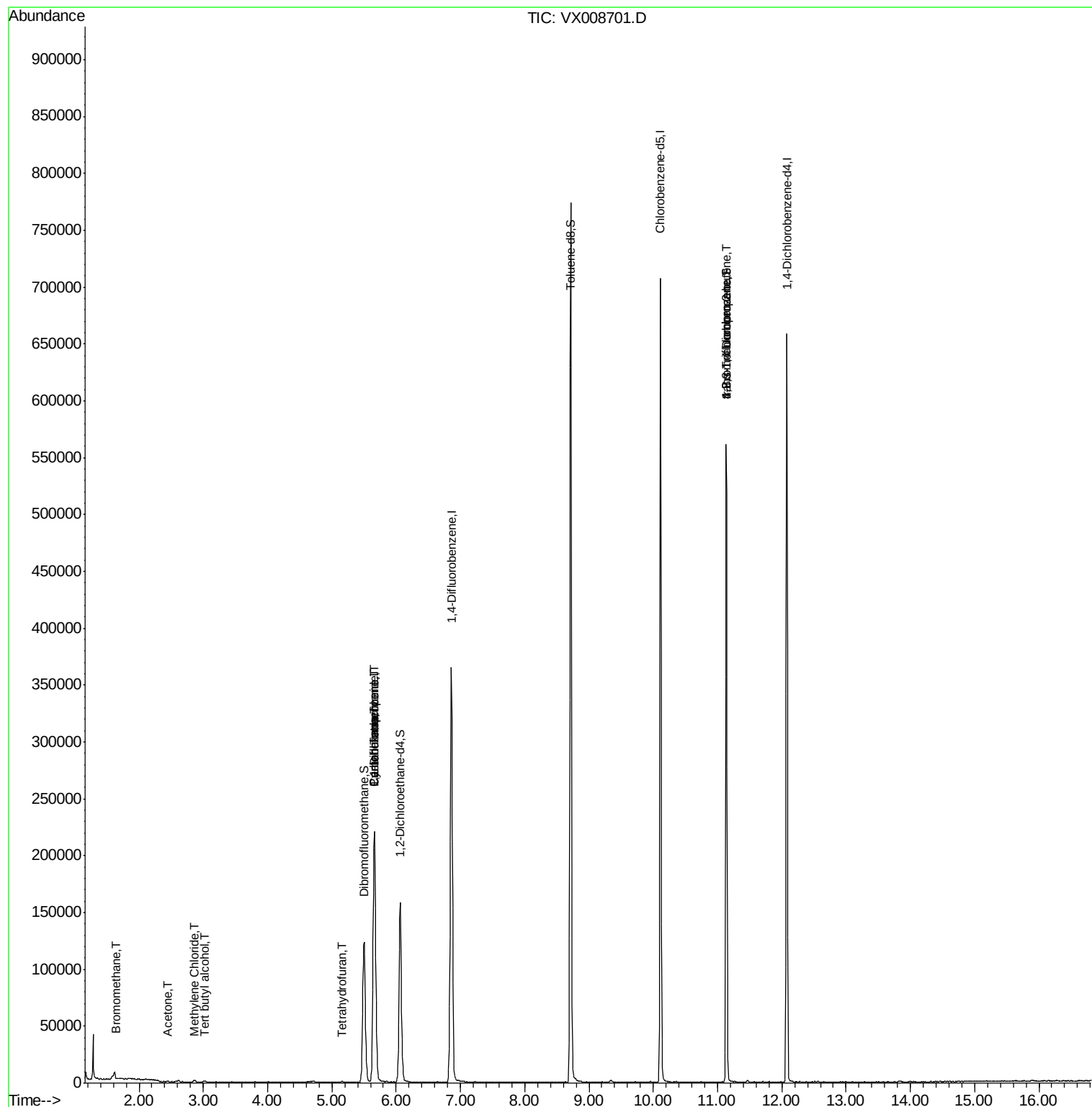
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	374	Below Cal		92
5) Bromomethane	1.64	94	361	2.097 ug/l #		71
6) Chloroethane	1.73	64	1240	Below Cal #		83
11) Tert butyl alcohol	3.02	59	843	1.151 ug/l #		72
16) Acetone	2.44	43	1231	0.683 ug/l		99
17) Carbon Disulfide	2.56	76	470	Below Cal #		52
20) Methylene Chloride	2.85	84	604	0.200 ug/l #		83
28) Bromochloromethane	5.04	49	80	Below Cal #		22
29) Tetrahydrofuran	5.17	42	444	0.235 ug/l #		42
31) Cyclohexane	5.65	56	4946	0.915 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	17716	4.525 ug/l #		50
38) Carbon Tetrachloride	5.67	117	20629	6.366 ug/l #		16
76) 1,2,3-Trichloropropane	11.13	75	76894	21.080 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	76894	58.108 ug/l #		9

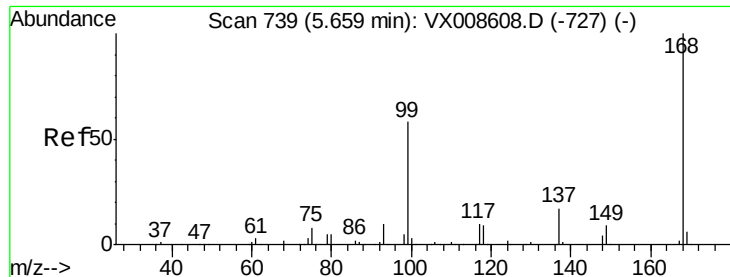
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

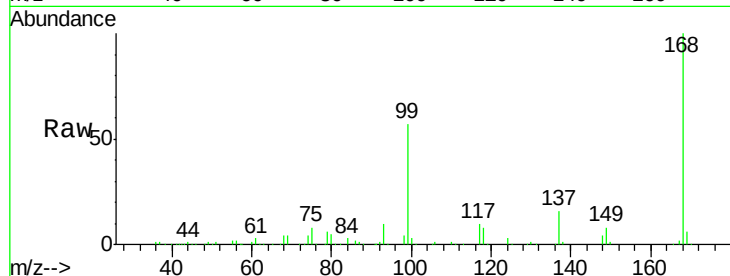
S8-TB-2019-1

Tot Ion:168 Resp: 214570

Ion Ratio Lower Upper

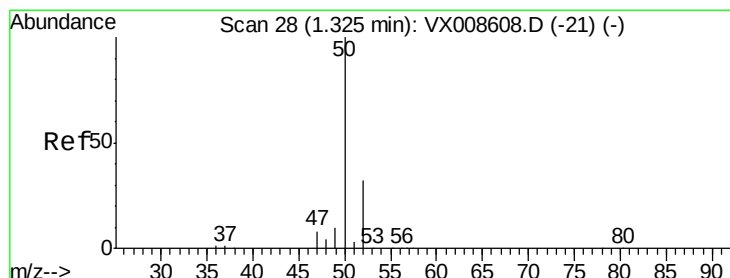
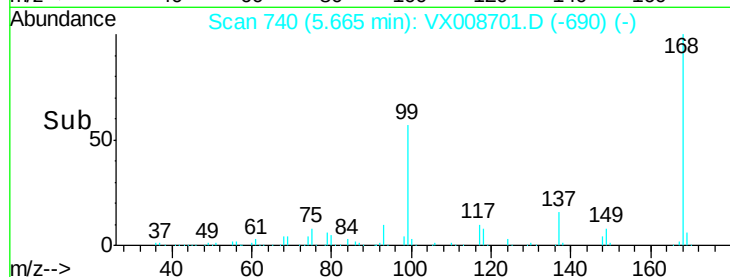
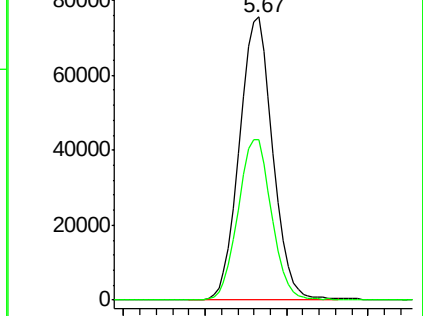
168 100

99 56.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008701.D

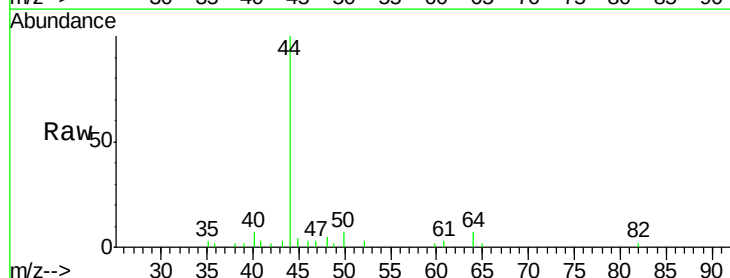
Acq: 05 Apr 2019 22:49

Tgt Ion: 50 Resp: 374

Ion Ratio Lower Upper

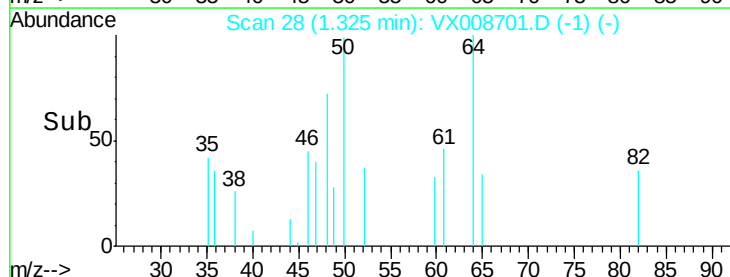
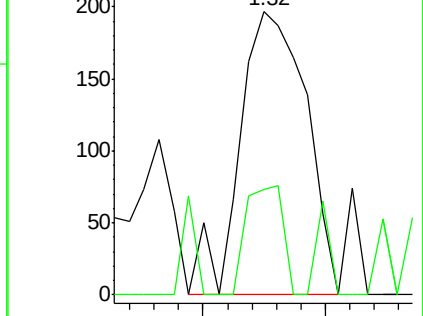
50 100

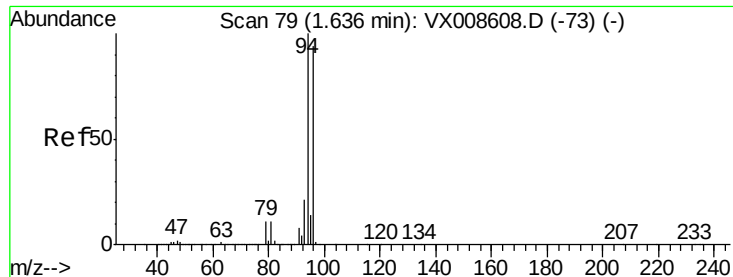
52 37.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.097 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

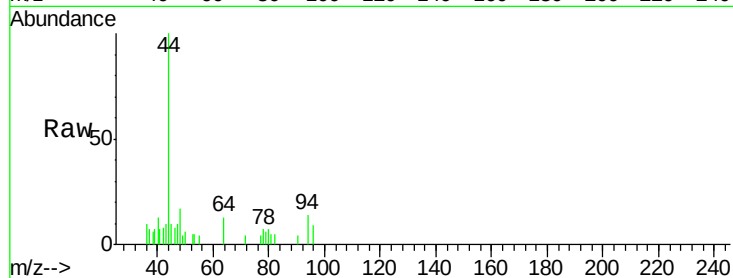
S8-TB-2019-1

Tot Ion: 94 Resp: 361

Ion Ratio Lower Upper

94 100

96 66.5 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

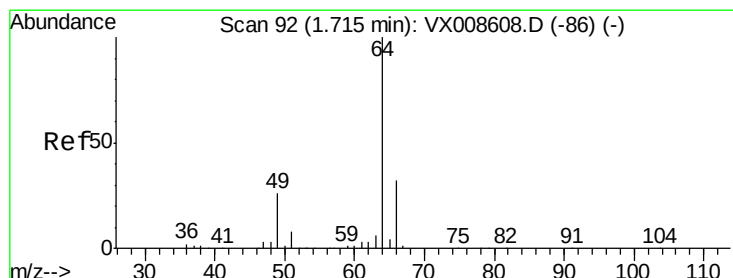
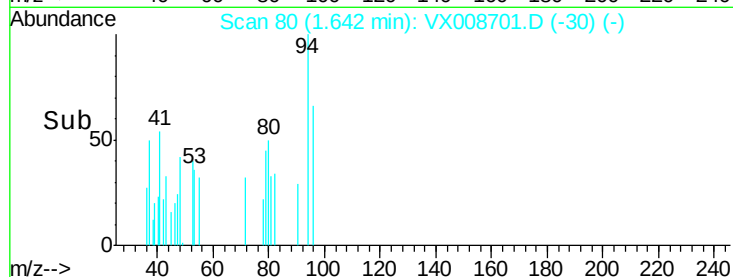
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008701.D

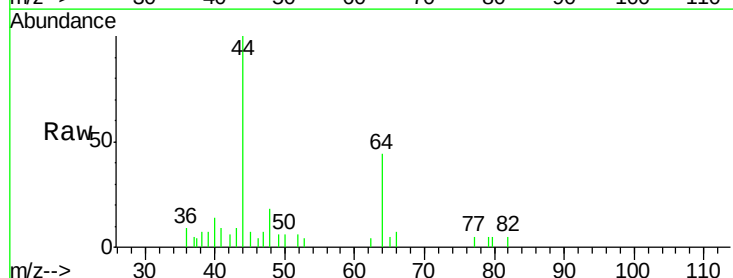
Acq: 05 Apr 2019 22:49

Tgt Ion: 64 Resp: 1240

Ion Ratio Lower Upper

64 100

66 22.4 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

600

500

400

300

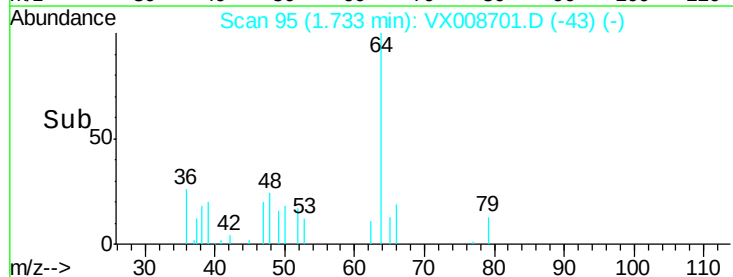
200

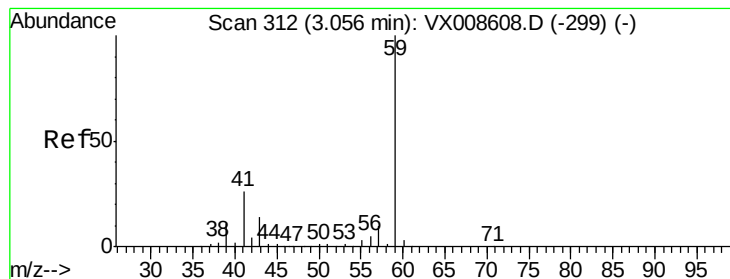
100

0

1.60 1.65 1.70 1.75

Time-->



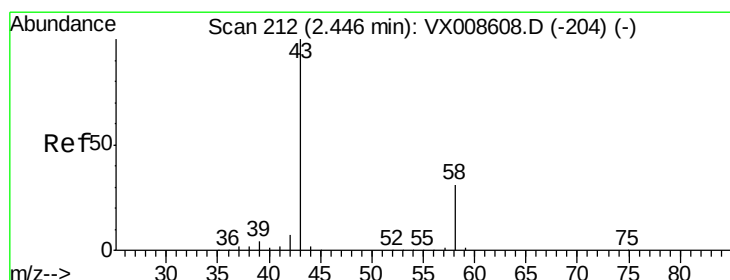
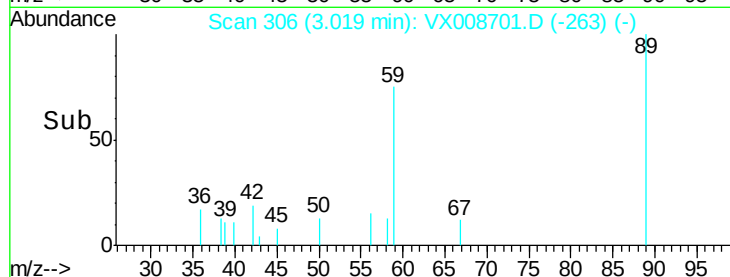
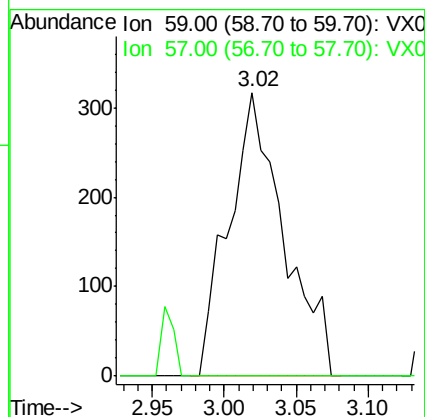
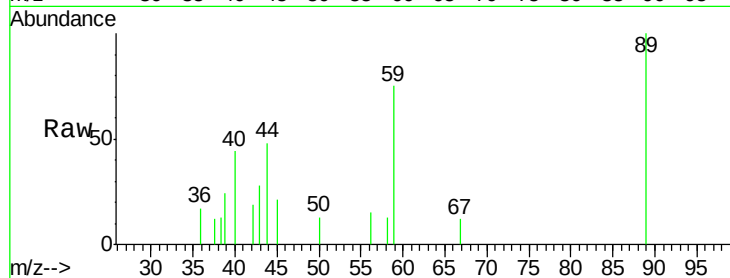


#11

Tert butyl alcohol
 Concen: 1.151 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VX008701.D
 Acq: 05 Apr 2019 22:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB-2019-1

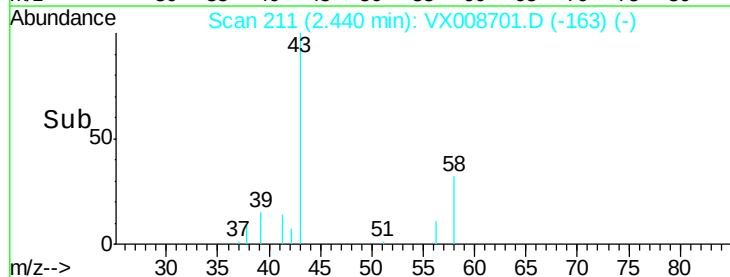
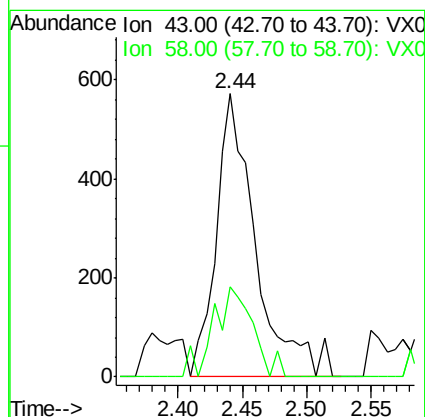
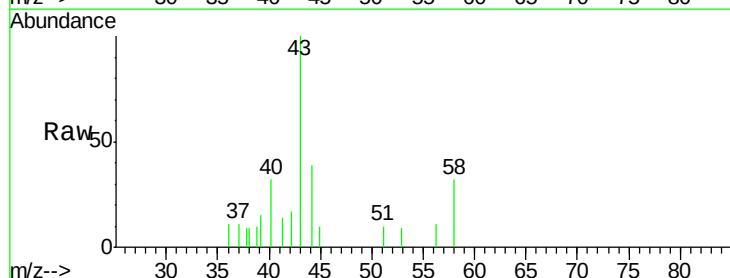
Tot Ion: 59 Resp: 843
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

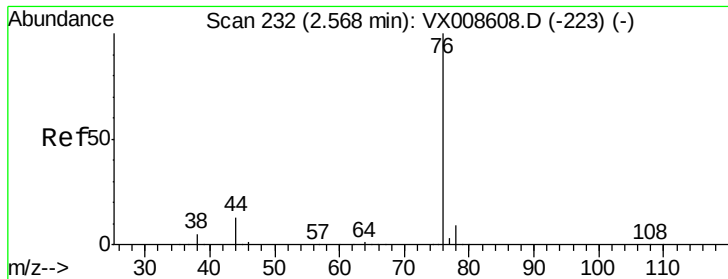


#16

Acetone
 Concen: 0.683 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX008701.D
 Acq: 05 Apr 2019 22:49

Tgt Ion: 43 Resp: 1231
 Ion Ratio Lower Upper
 43 100
 58 31.8 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

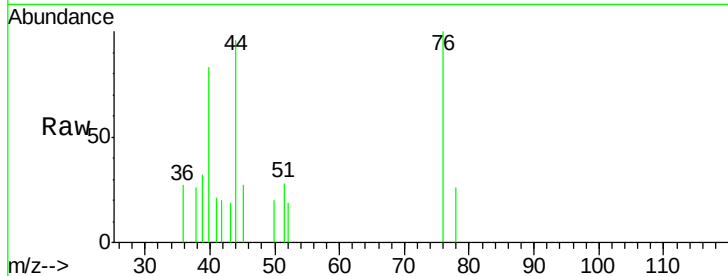
S8-TB-2019-1

Tot Ion: 76 Resp: 470

Ion Ratio Lower Upper

76 100

78 26.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

300

250

200

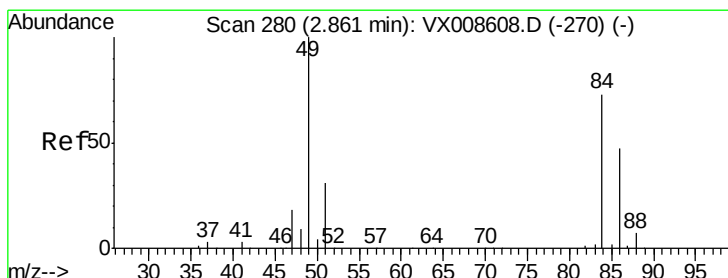
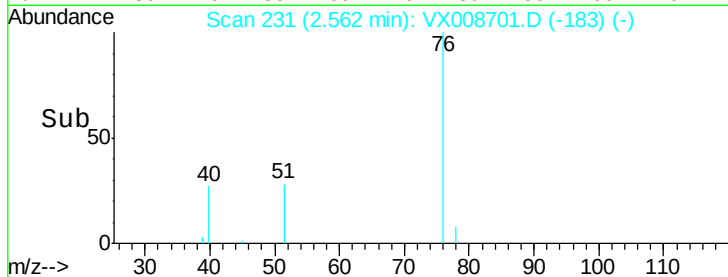
150

100

50

0

Time--> 2.50



#20

Methylene Chloride

Concen: 0.200 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Tgt Ion: 84 Resp: 604

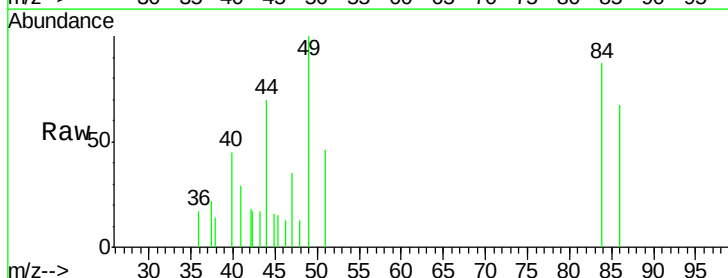
Ion Ratio Lower Upper

84 100

49 114.9 109.7 164.5

51 52.6 33.6 50.4#

86 76.6 51.4 77.2



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

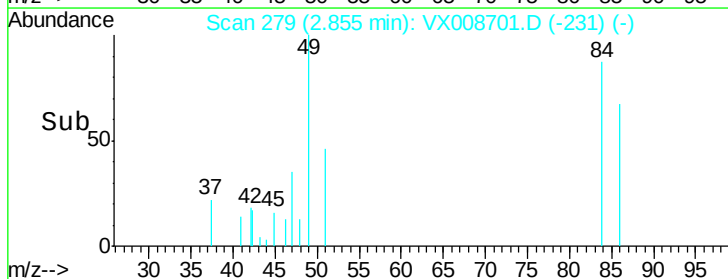
600

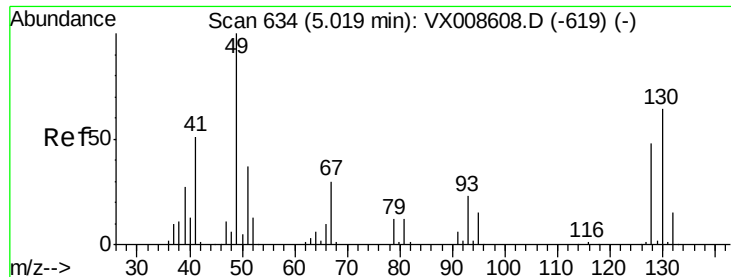
400

200

0

Time--> 2.80





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

S8-TB-2019-1

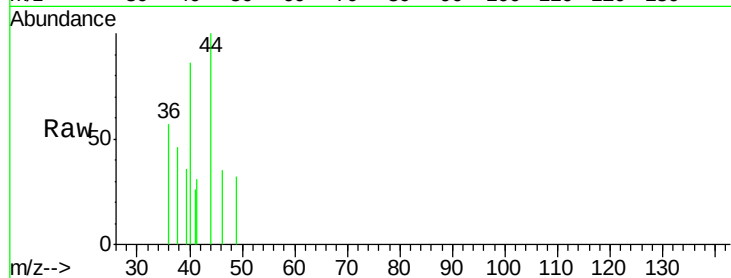
Tot Ion: 49 Resp: 80

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

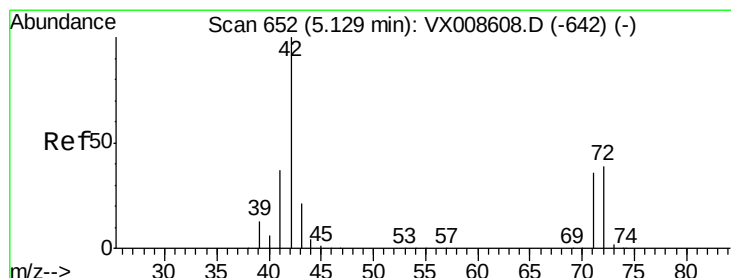
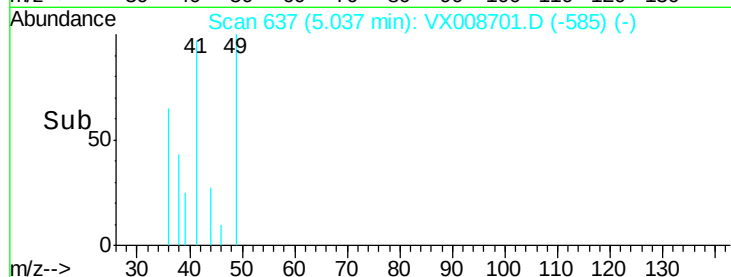
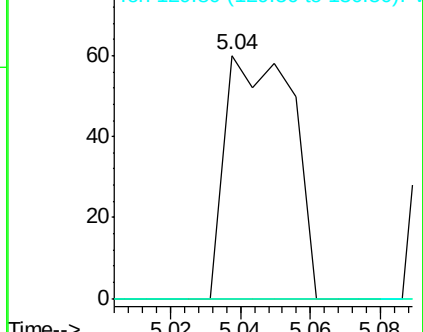
130 0.0 49.3 73.9#



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: 0.235 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.04 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

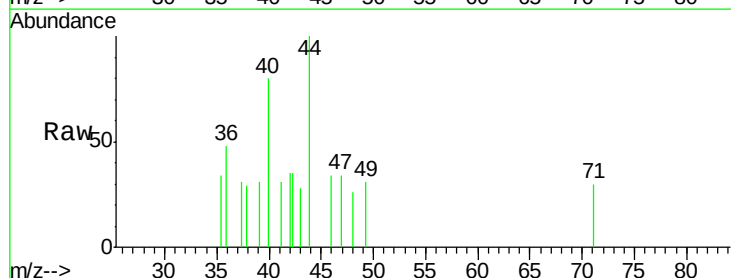
Tgt Ion: 42 Resp: 444

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

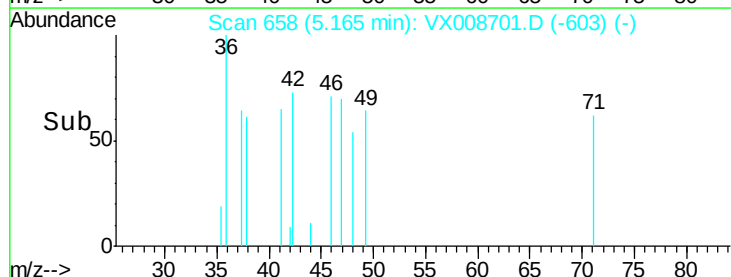
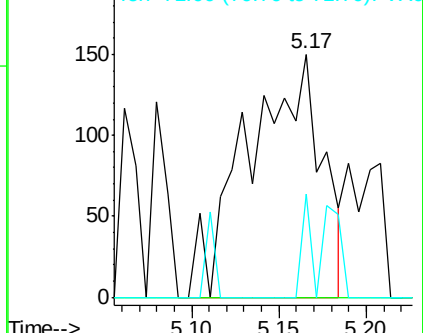
71 5.2 28.6 43.0#

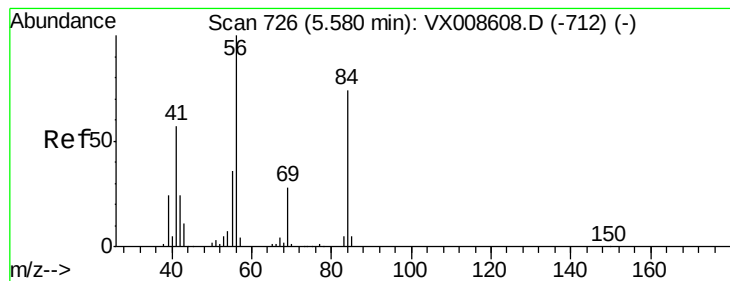


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.915 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

S8-TB-2019-1

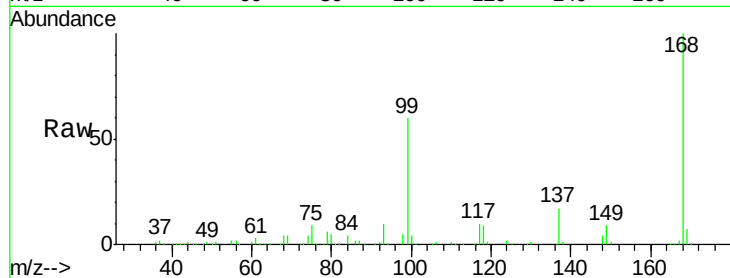
Tot Ion: 56 Resp: 4946

Ion Ratio Lower Upper

56 100

69 167.0 22.6 33.8#

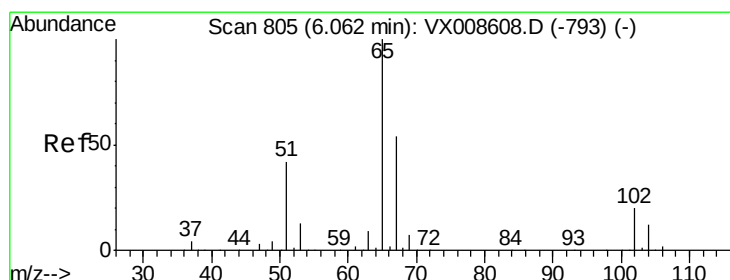
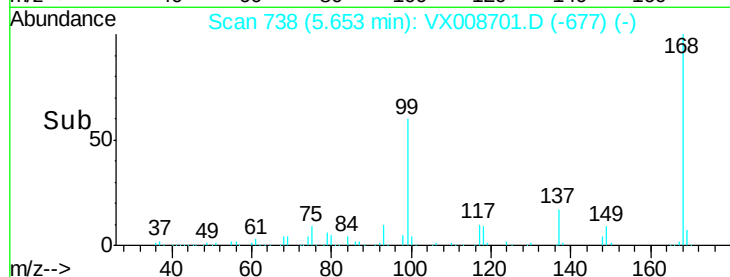
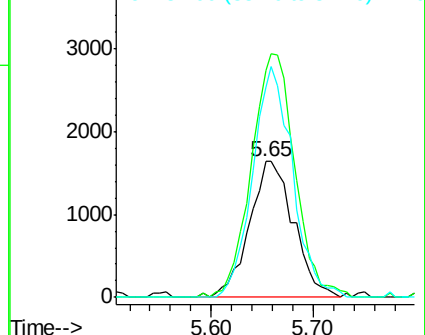
84 155.4 59.3 88.9#



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: 46.561 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008701.D

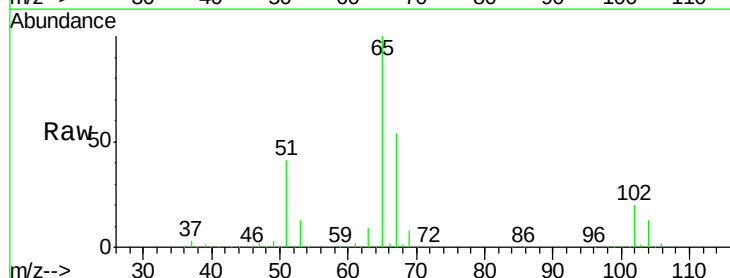
Acq: 05 Apr 2019 22:49

Tgt Ion: 65 Resp: 145719

Ion Ratio Lower Upper

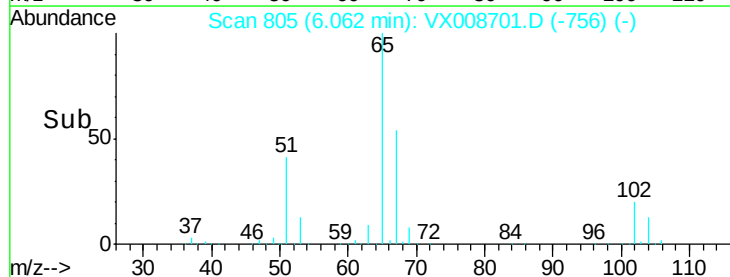
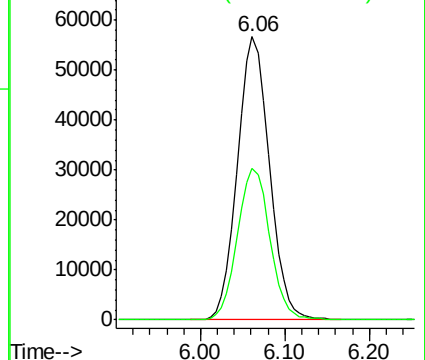
65 100

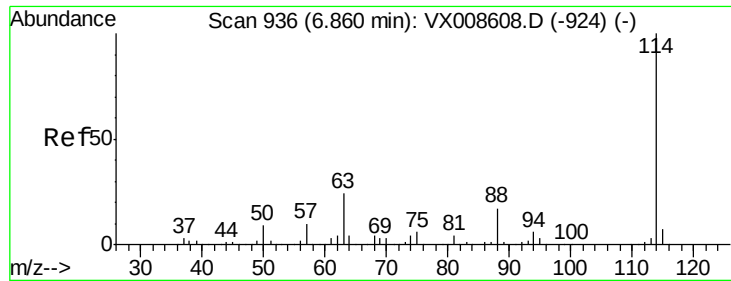
67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

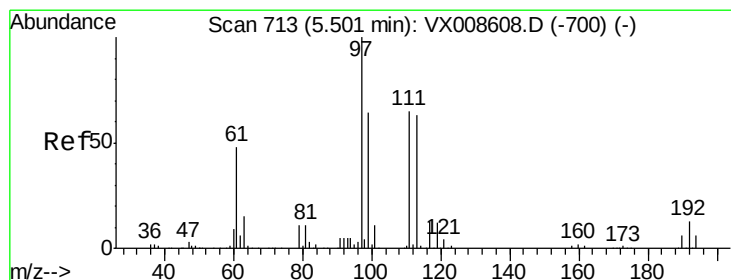
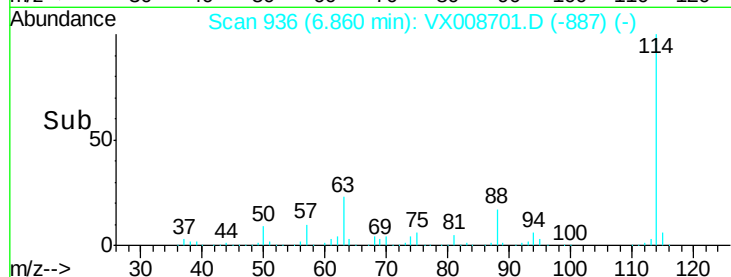
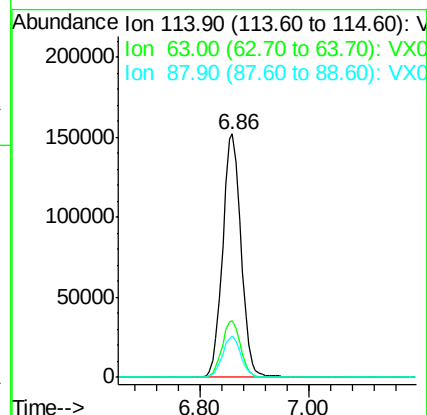
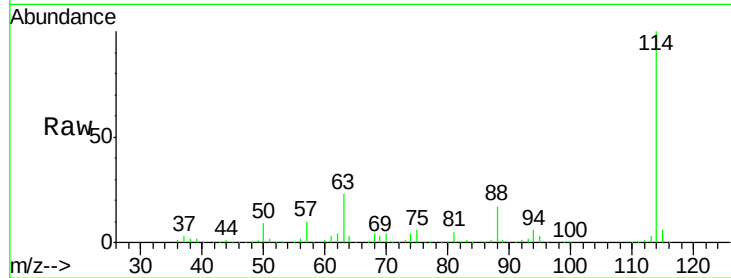




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008701.D
 Acq: 05 Apr 2019 22:49

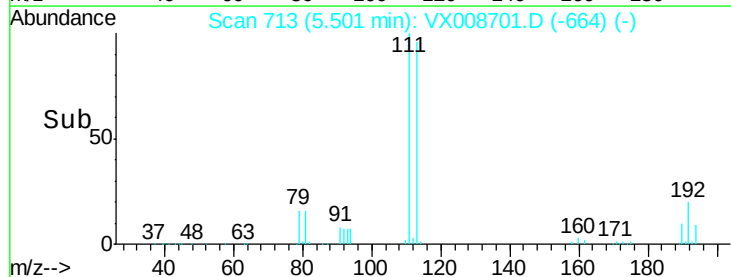
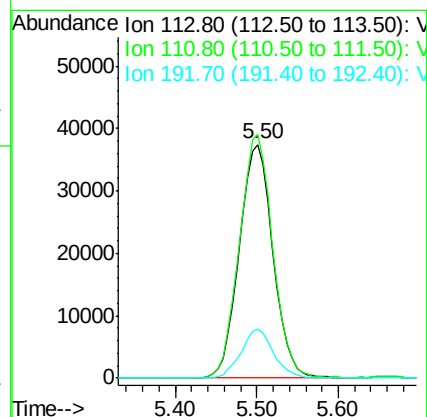
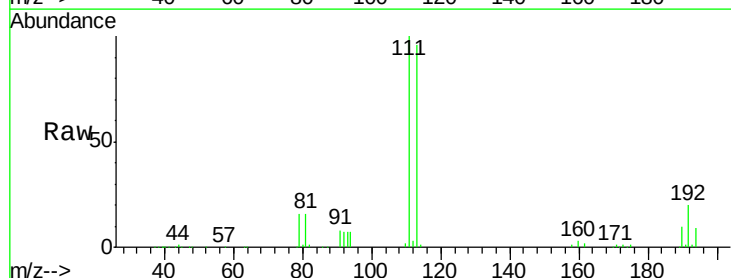
Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB-2019-1

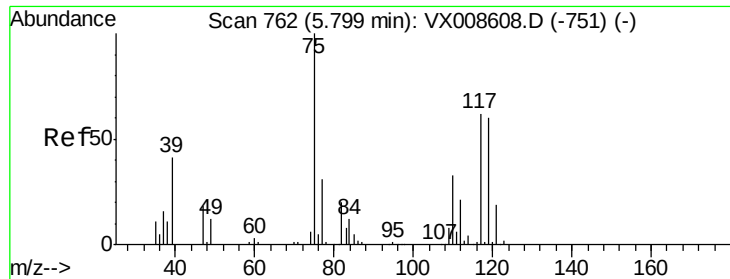
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	47.2
88	16.9	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 46.887 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008701.D
 Acq: 05 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.2
192	20.3	16.1	24.1

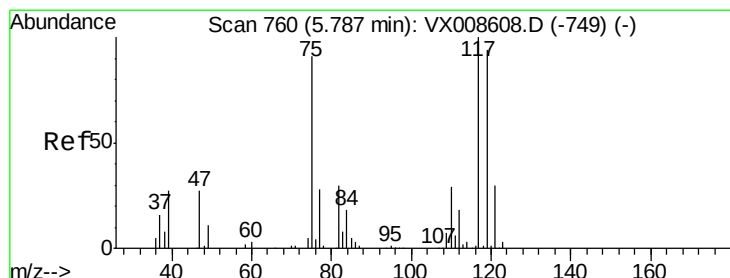
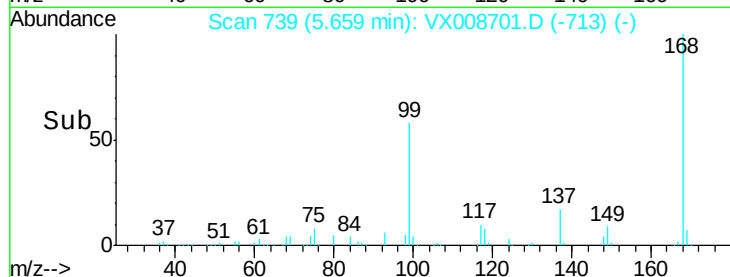
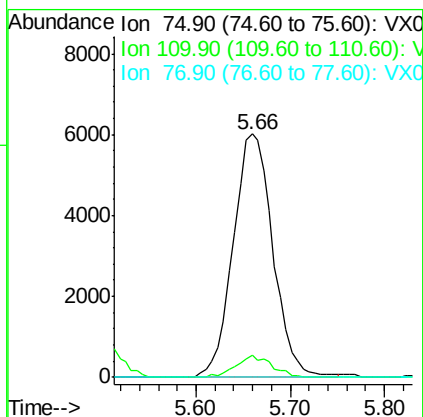
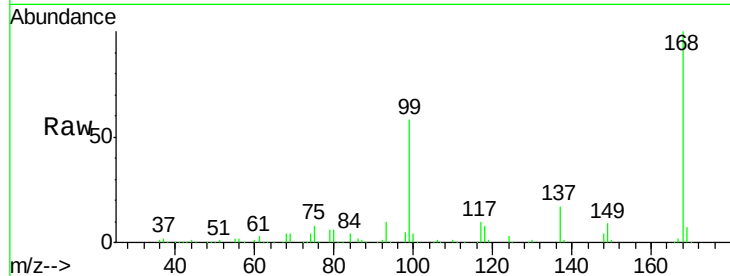




#36
 1,1-Dichloropropene
 Concen: 4.525 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008701.D
 Acq: 05 Apr 2019 22:49

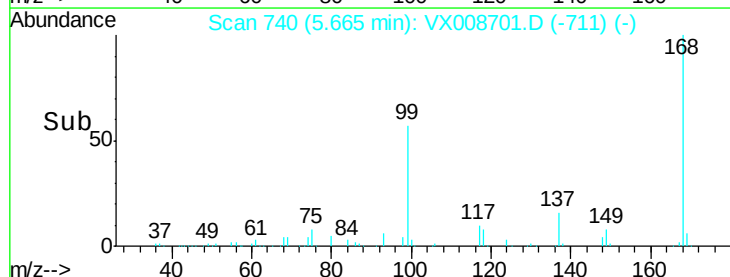
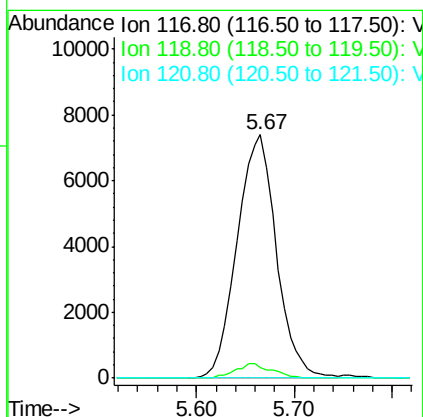
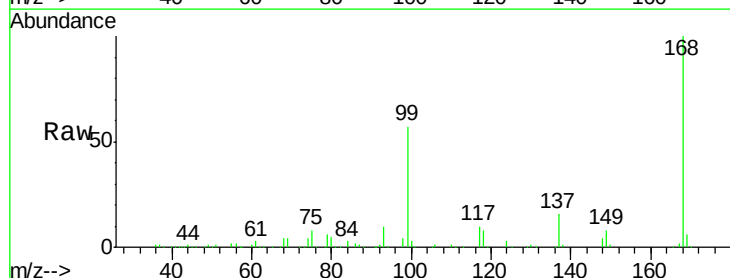
Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB-2019-1

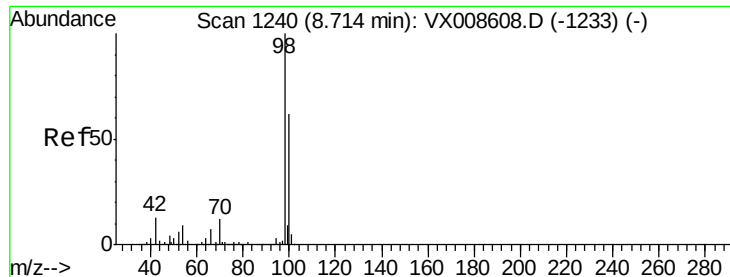
Tot Ion: 75 Resp: 17716
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.4 49.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.366 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008701.D
 Acq: 05 Apr 2019 22:49

Tgt Ion: 117 Resp: 20629
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.0 112.6#
 121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 49.232 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

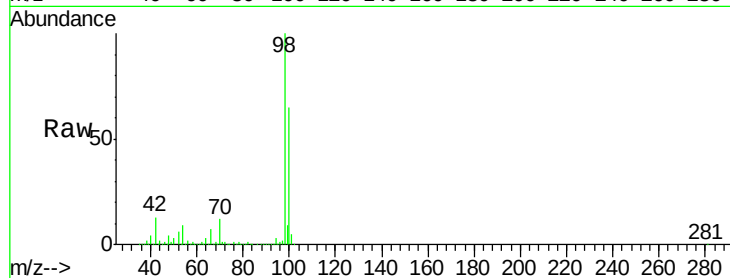
S8-TB-2019-1

Tot Ion: 98 Resp: 448900

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

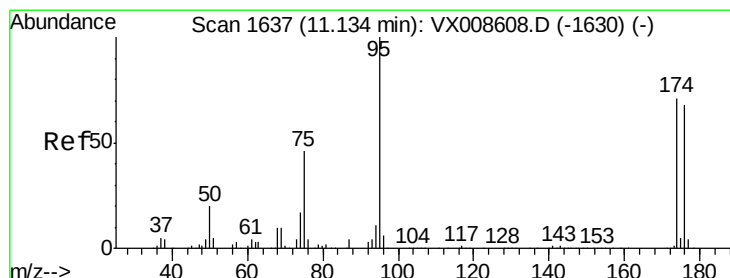
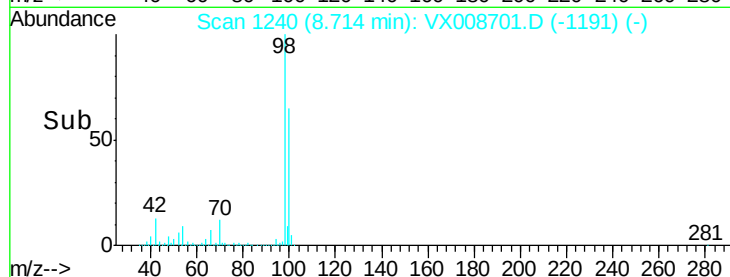
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.111 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

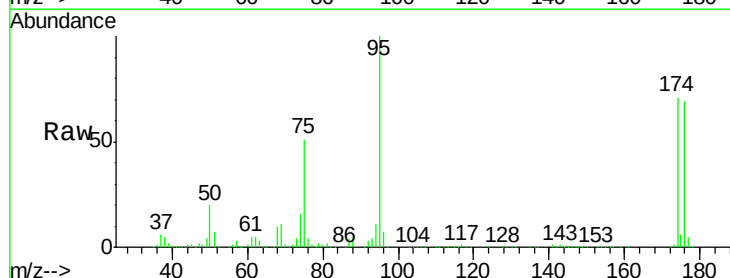
Tgt Ion: 95 Resp: 152328

Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.8

176 74.8 0.0 145.8



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

11.13

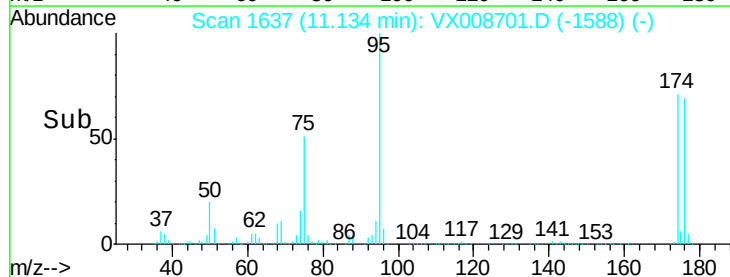
150000

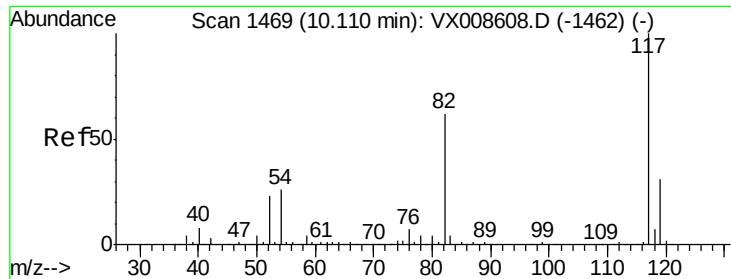
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampled :

S8-TB-2019-1

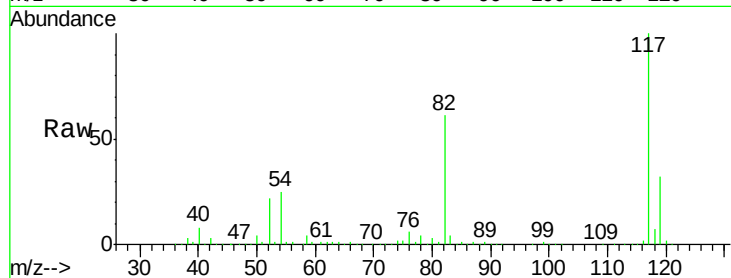
Tot Ion:117 Resp: 313801

Ion Ratio Lower Upper

117 100

82 61.3 49.6 74.4

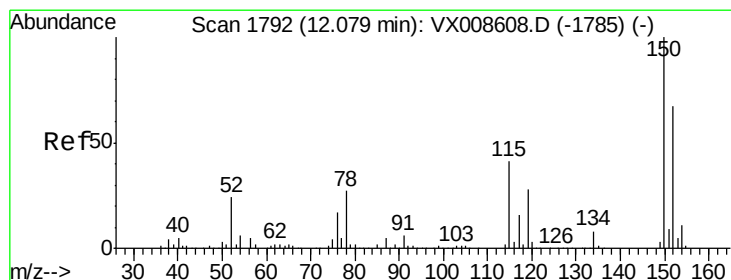
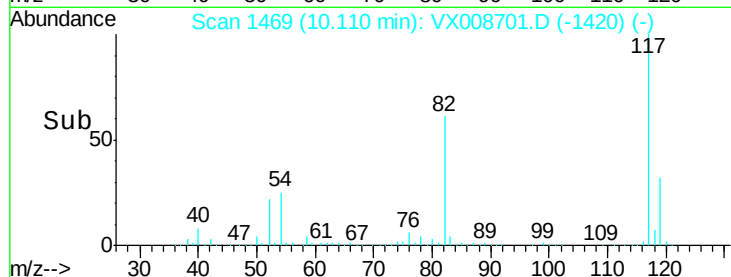
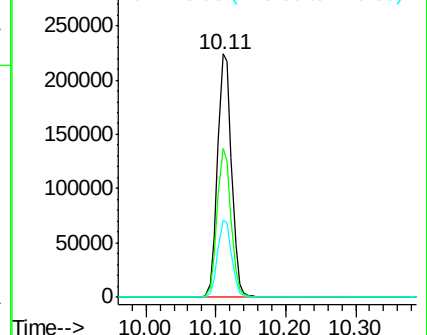
119 31.6 25.0 37.4



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: VX008701.D

Acq: 05 Apr 2019 22:49

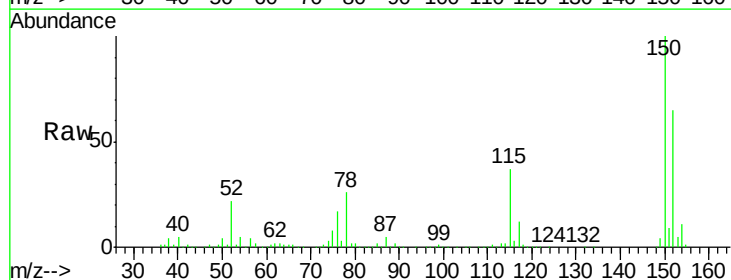
Tgt Ion:152 Resp: 132784

Ion Ratio Lower Upper

152 100

115 59.3 43.5 130.5

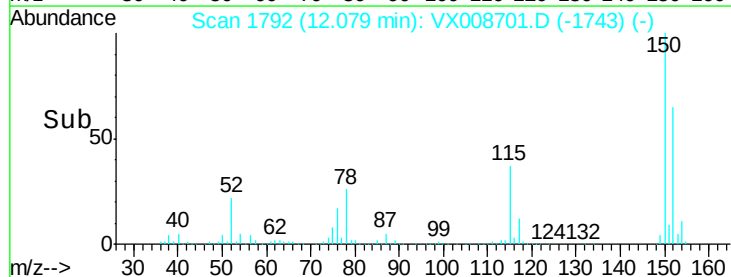
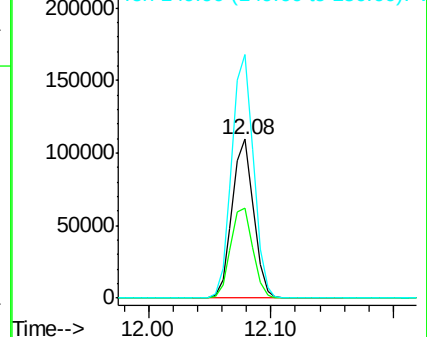
150 155.7 0.0 348.8

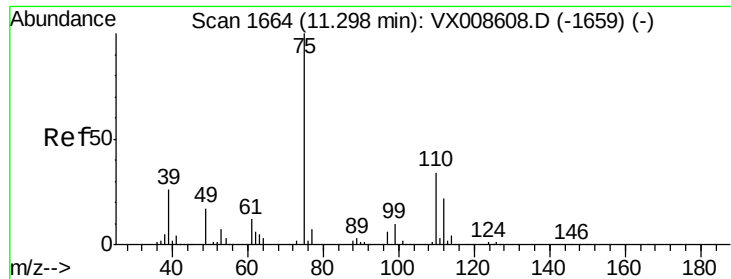


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Instrument :

MSVOA_X

ClientSampled :

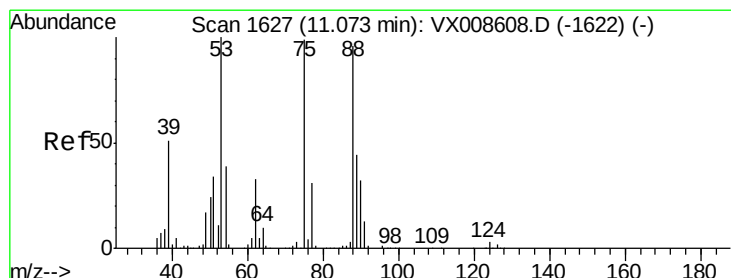
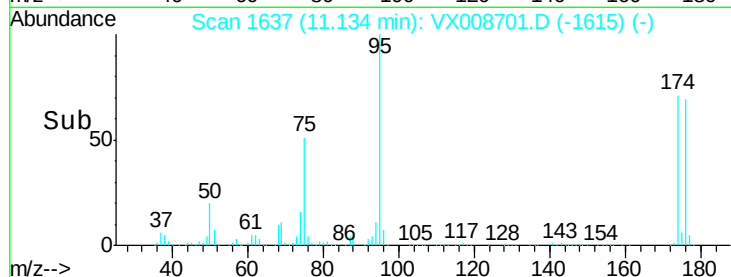
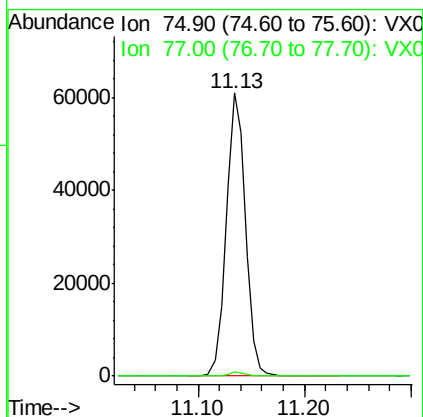
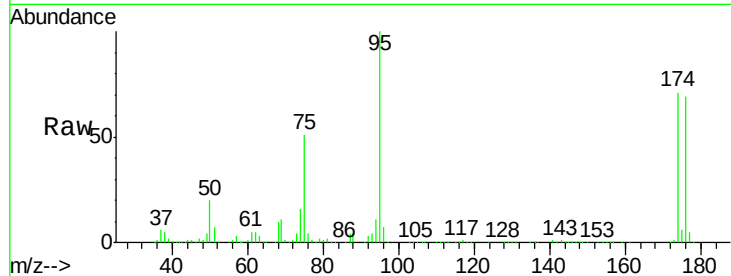
S8-TB-2019-1

Tot Ion: 75 Resp: 76894

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.108 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008701.D

Acq: 05 Apr 2019 22:49

Tgt Ion: 75 Resp: 76894

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

