

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010649.D
 Acq On : 03 Jul 2019 18:45
 Operator : JC/SP
 Sample : K3666-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 04 03:38:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	328169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151349	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	115797	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
35) Dibromofluoromethane	5.50	113	110205	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.71	98	429378	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	144043	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	

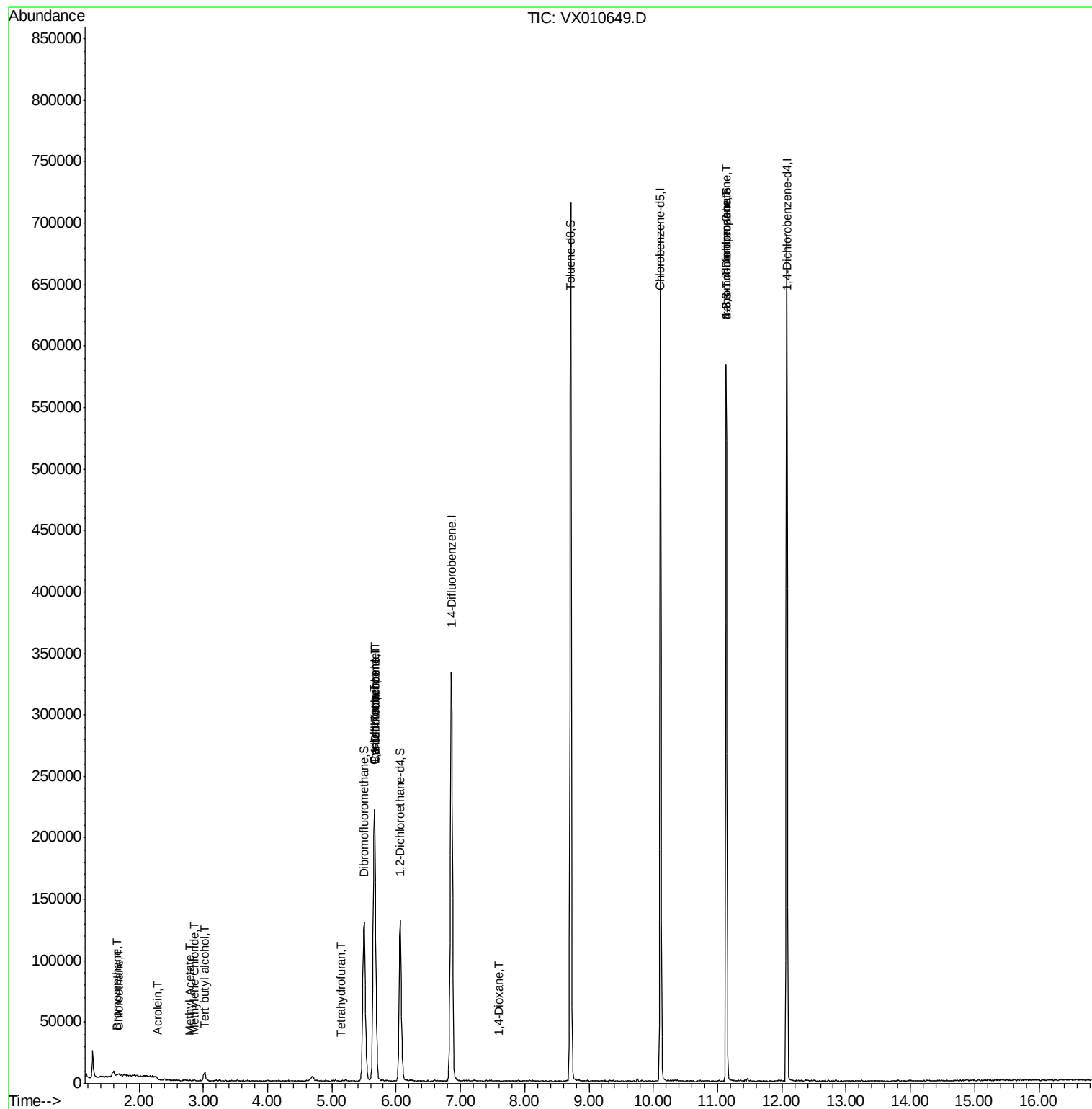
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	421	0.418	ug/l #	67
6) Chloroethane	1.70	64	347	0.284	ug/l #	47
11) Tert butyl alcohol	3.02	59	4139	7.233	ug/l #	80
13) Acrolein	2.29	56	230	0.606	ug/l	86
18) Methyl Acetate	2.78	43	489	0.224	ug/l	97
20) Methylene Chloride	2.86	84	587	0.260	ug/l #	69
29) Tetrahydrofuran	5.13	42	268	0.269	ug/l #	36
31) Cyclohexane	5.65	56	4462	1.412	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15241	5.316	ug/l #	47
38) Carbon Tetrachloride	5.67	117	20840	6.713	ug/l #	16
49) 1,4-Dioxane	7.60	88	21	0.321	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70301	25.490	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70301	59.466	ug/l #	16

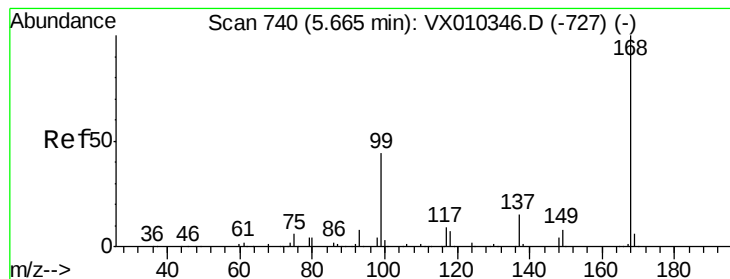
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010649.D
Acq On : 03 Jul 2019 18:45
Operator : JC/SP
Sample : K3666-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Jul 04 03:38:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010649.D

Acq: 03 Jul 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

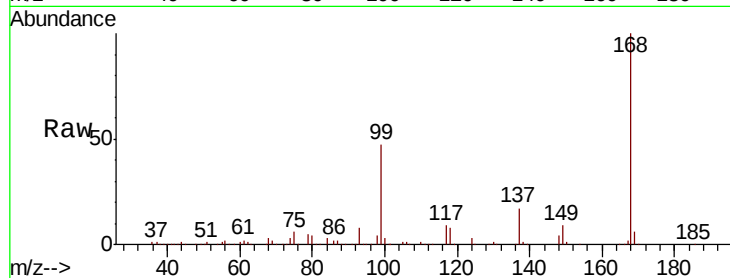
TRIP-BLANK

Tot Ion:168 Resp: 233253

Ion Ratio Lower Upper

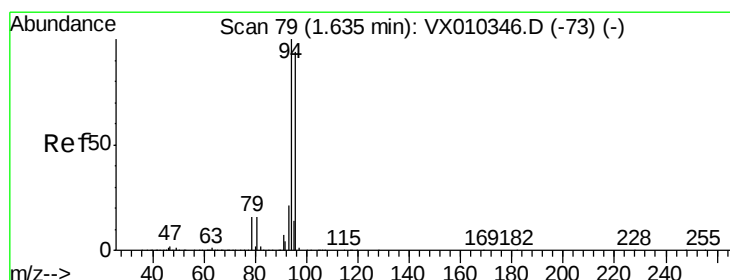
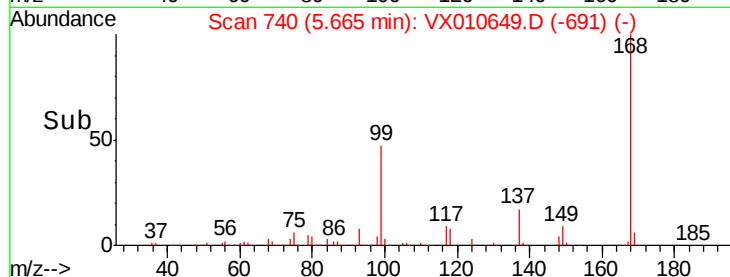
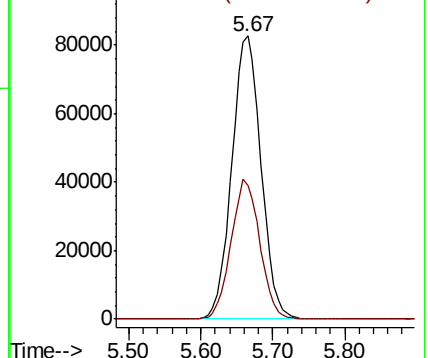
168 100

99 47.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.418 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010649.D

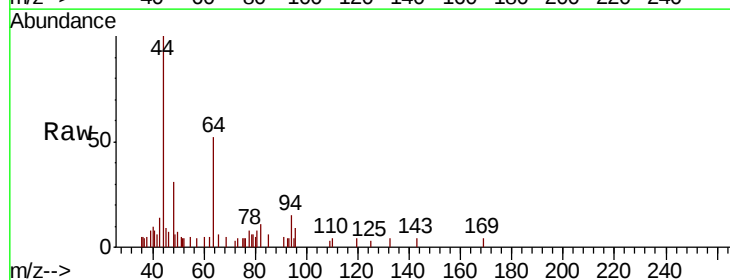
Acq: 03 Jul 2019 18:45

Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

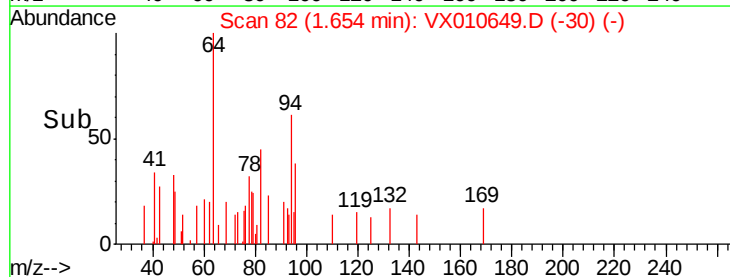
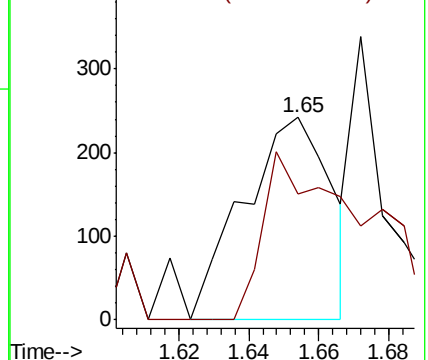
94 100

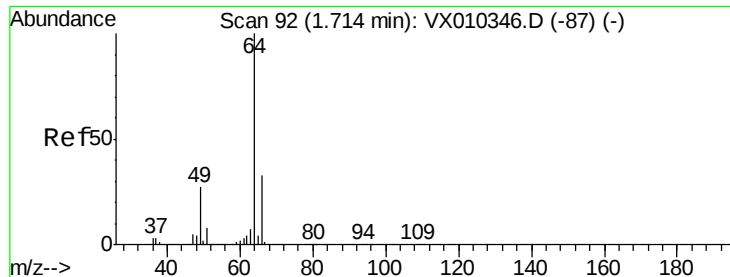
96 62.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.284 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

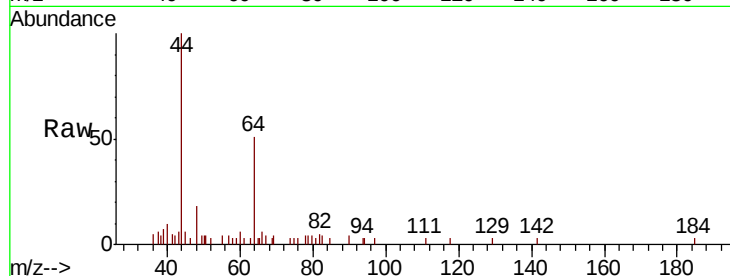
TRIP-BLANK

Tot Ion: 64 Resp: 347

Ion Ratio Lower Upper

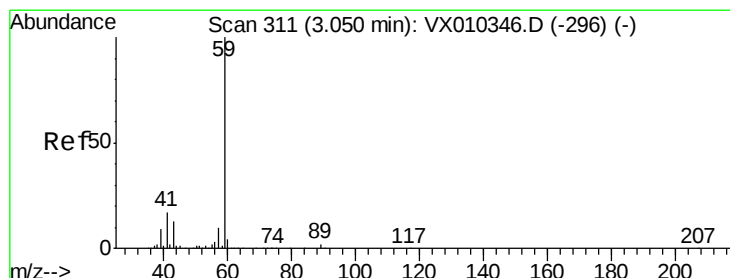
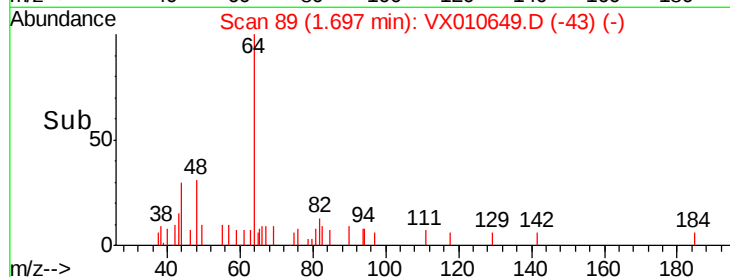
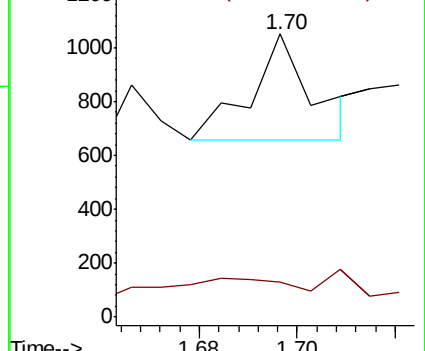
64 100

66 3.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 7.233 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010649.D

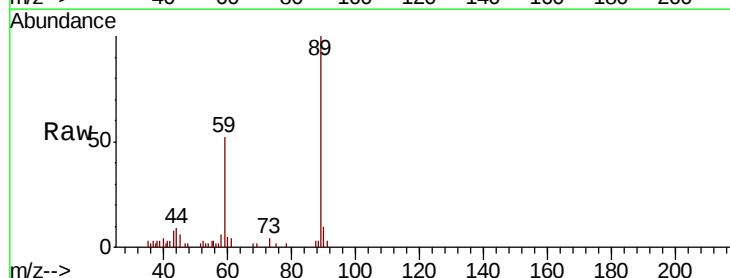
Acq: 03 Jul 2019 18:45

Tgt Ion: 59 Resp: 4139

Ion Ratio Lower Upper

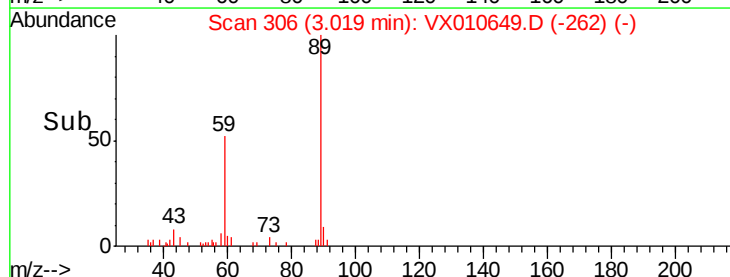
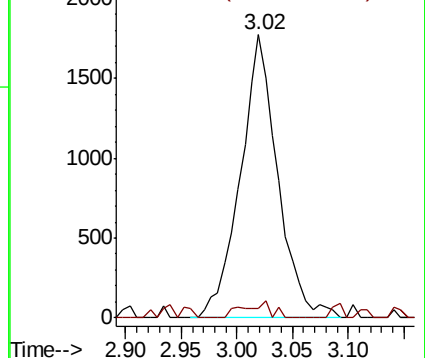
59 100

57 2.2 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.606 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

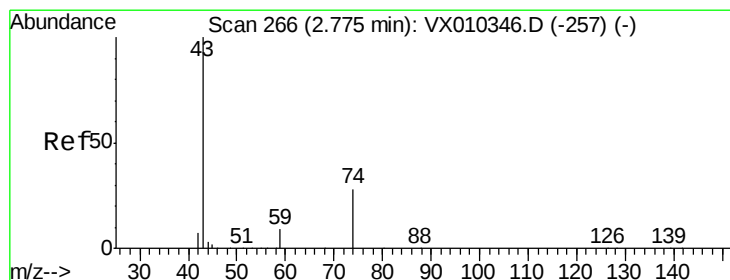
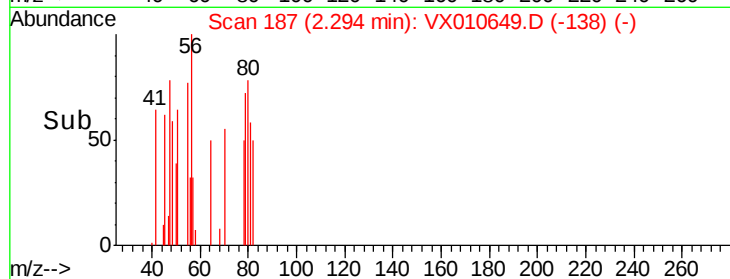
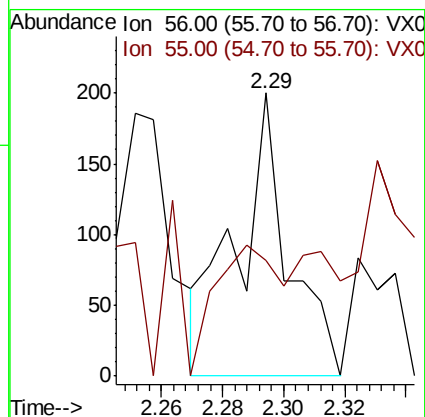
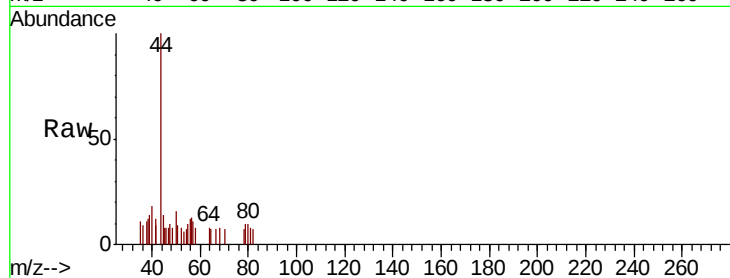
TRIP-BLANK

Tot Ion: 56 Resp: 230

Ion Ratio Lower Upper

56 100

55 59.6 56.9 85.3



#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010649.D

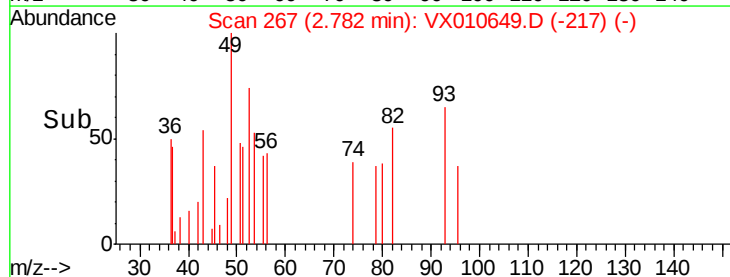
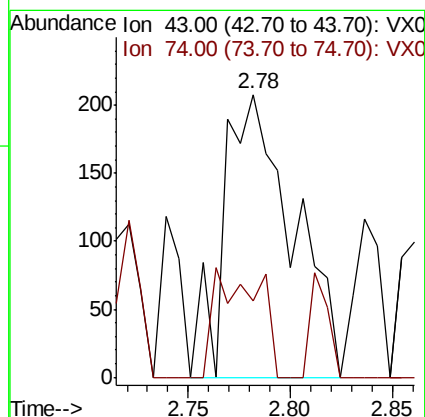
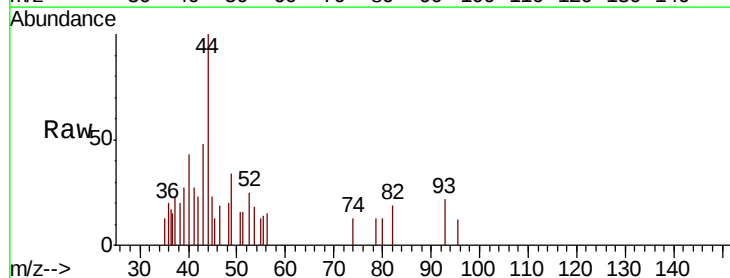
Acq: 03 Jul 2019 18:45

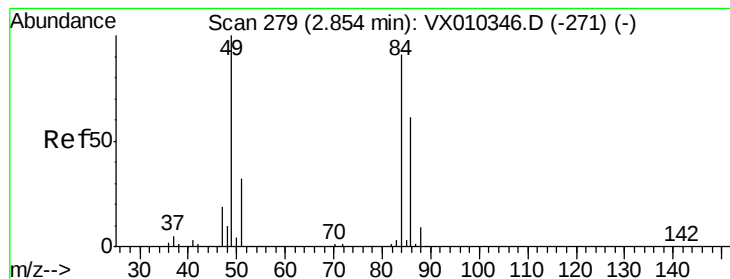
Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

74 25.2 21.3 31.9





#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

Tot Ion: 84 Resp: 587

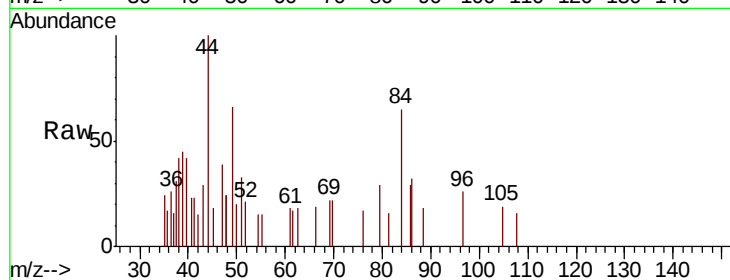
Ion Ratio Lower Upper

84 100

49 77.1 87.5 131.3#

51 51.1 27.7 41.5#

86 93.4 53.4 80.0#

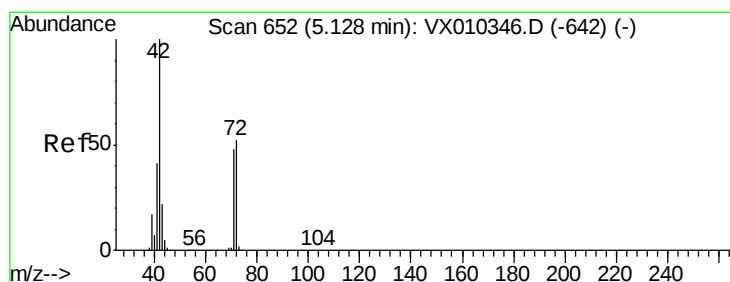
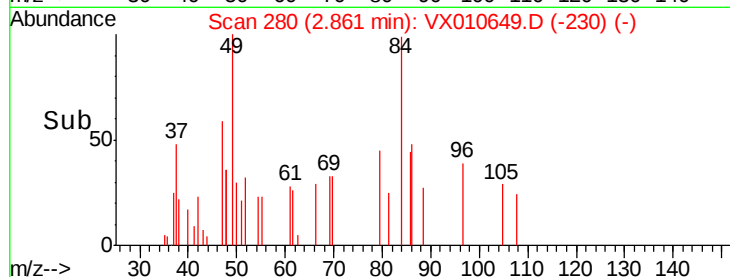
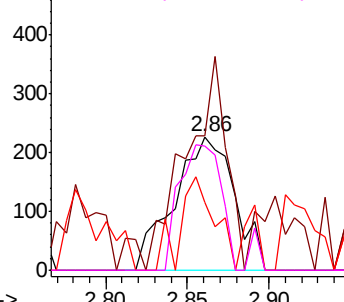


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.269 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

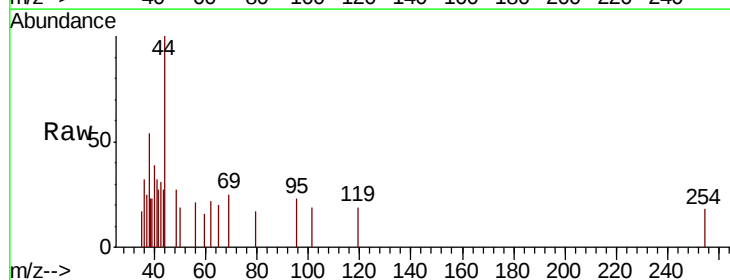
Tgt Ion: 42 Resp: 268

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

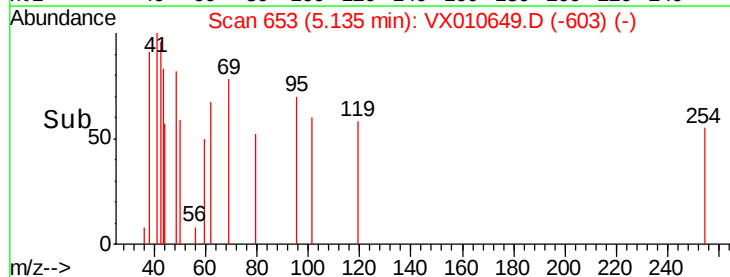
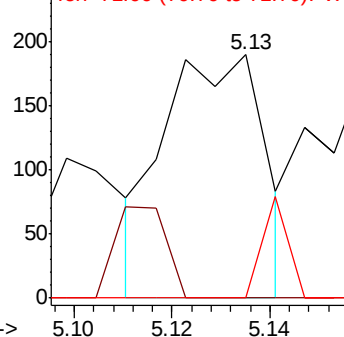
71 10.8 37.8 56.8#

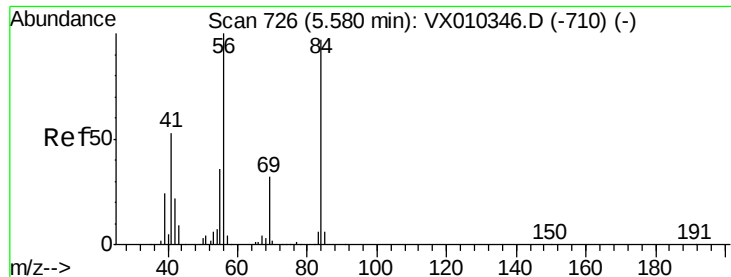


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

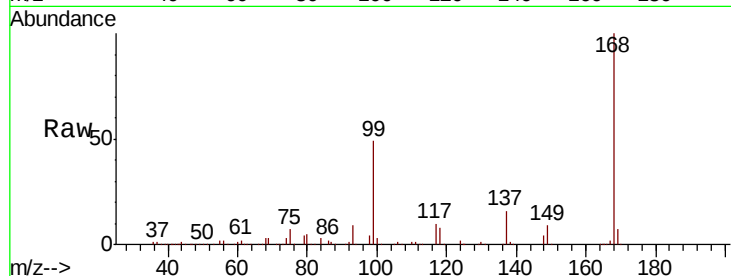




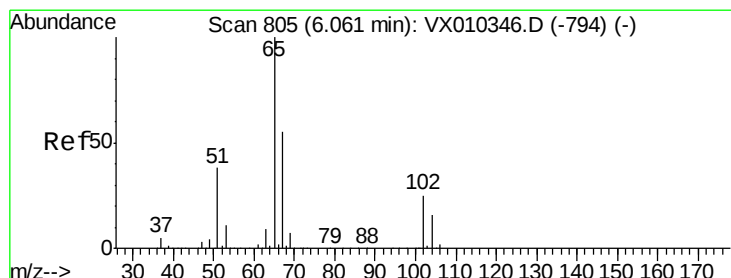
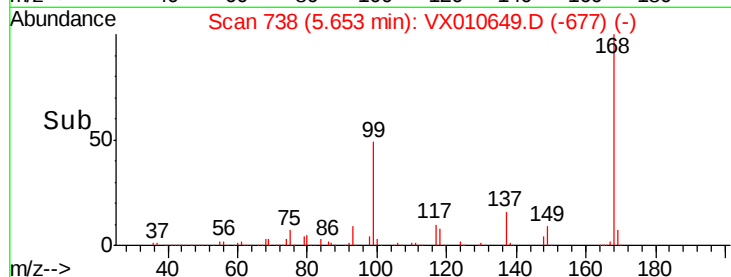
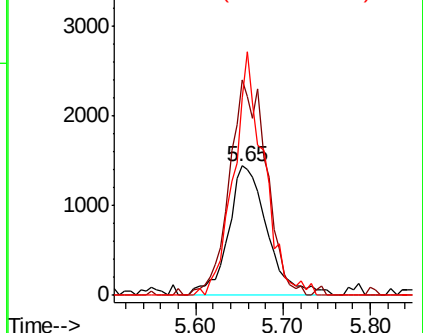
#31
Cyclohexane
Concen: 1.412 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010649.D
Acq: 03 Jul 2019 18:45

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 56 Resp: 4462
Ion Ratio Lower Upper
56 100
69 166.7 25.9 38.9#
84 152.6 78.0 117.0#

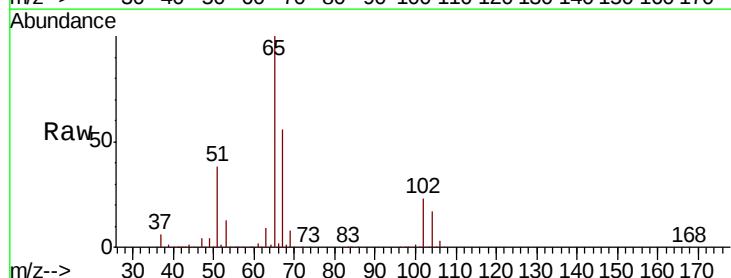


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

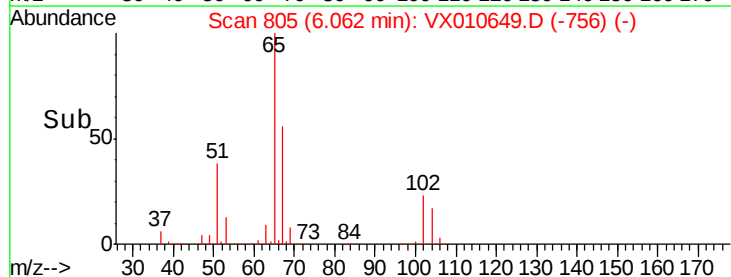
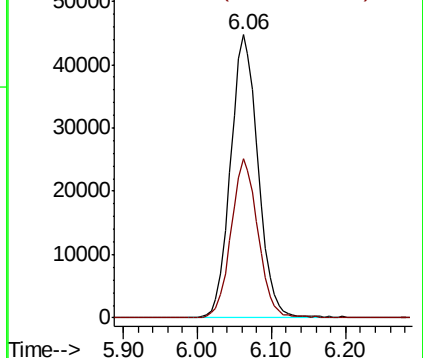


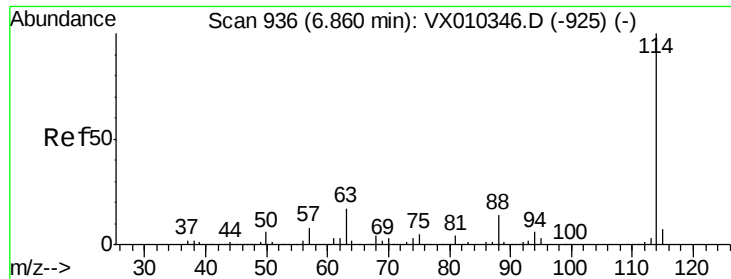
#33
1,2-Dichloroethane-d4
Concen: 52.948 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010649.D
Acq: 03 Jul 2019 18:45

Tgt Ion: 65 Resp: 115797
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.2



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

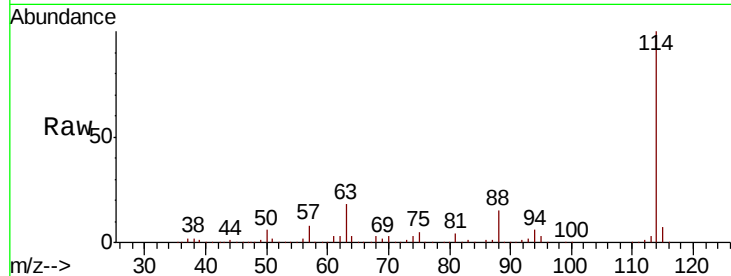




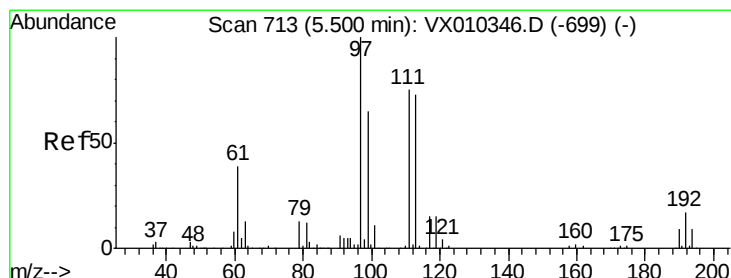
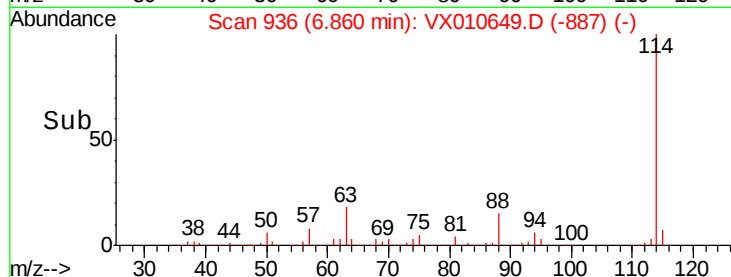
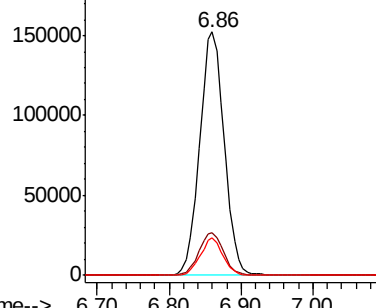
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010649.D
 Acq: 03 Jul 2019 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:114 Resp: 360762
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.8
 88 15.2 0.0 27.6

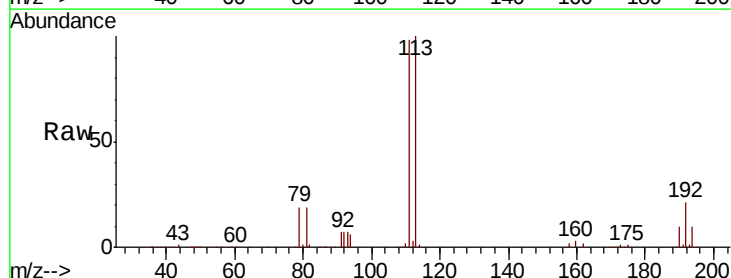


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

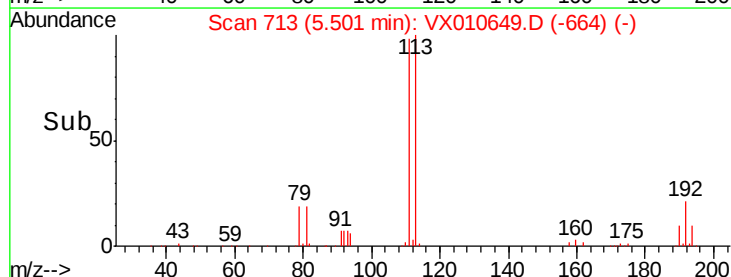
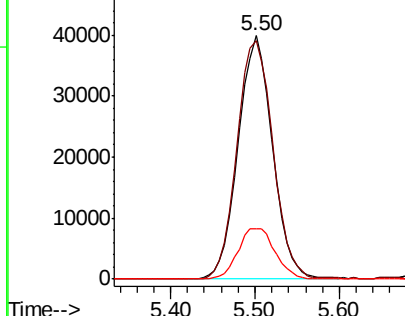


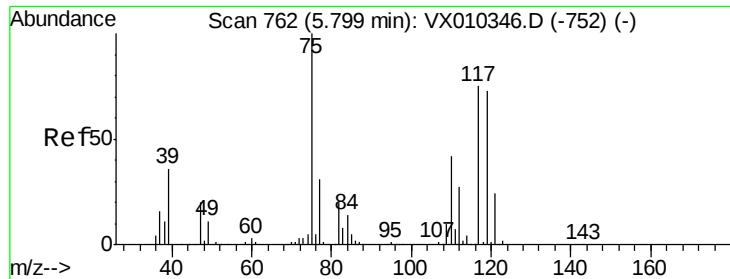
#35
 Dibromofluoromethane
 Concen: 49.928 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010649.D
 Acq: 03 Jul 2019 18:45

Tgt Ion:113 Resp: 110205
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.2 121.8
 192 22.4 18.6 27.8



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: 5.316 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

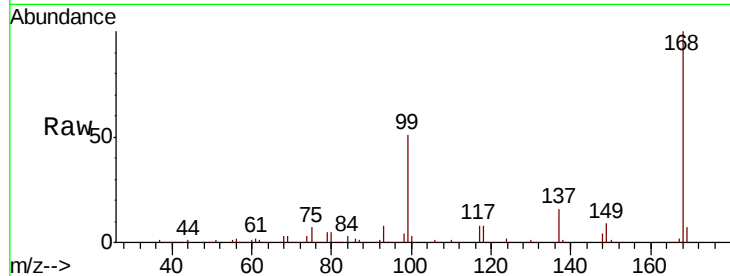
Tot Ion: 75 Resp: 15241

Ion Ratio Lower Upper

75 100

110 10.3 20.8 62.2#

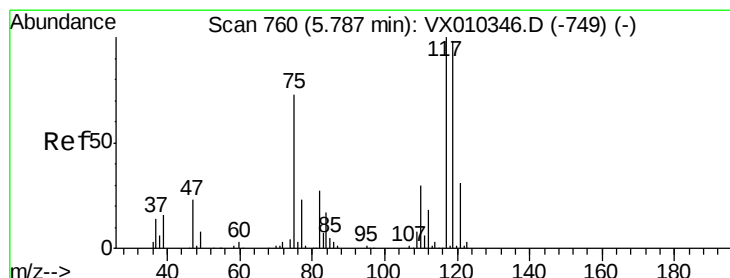
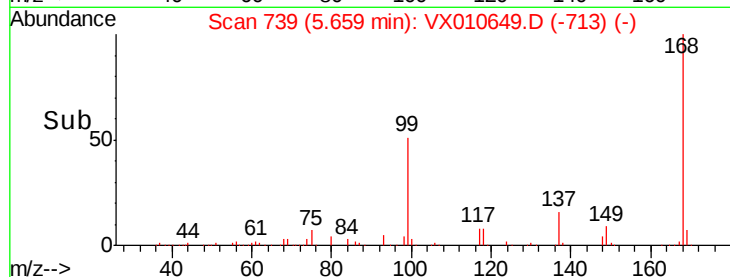
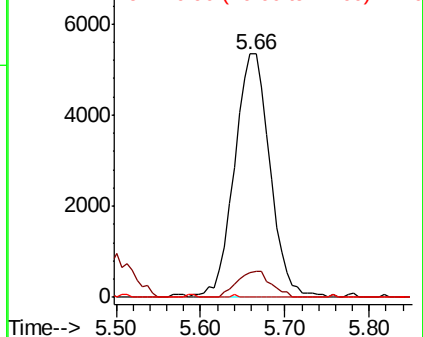
77 0.0 25.4 38.0#



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: 6.713 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

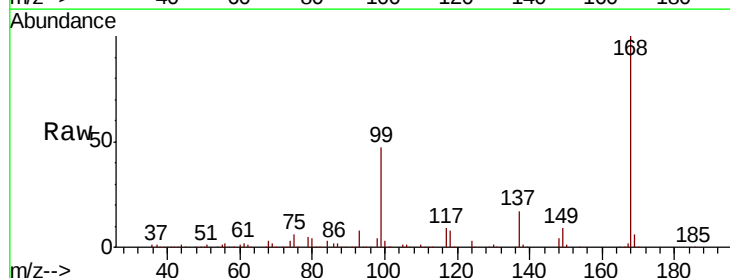
Tgt Ion: 117 Resp: 20840

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.4#

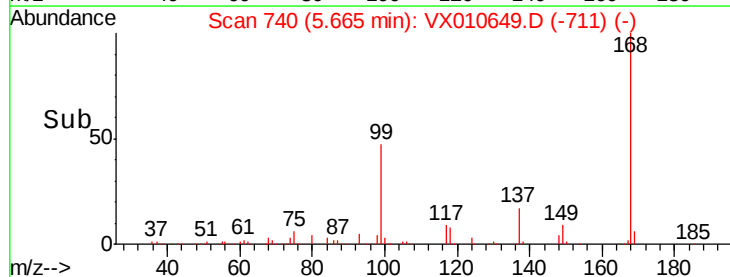
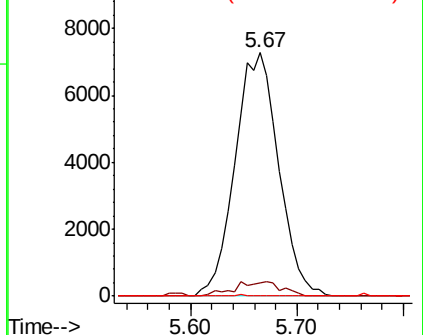
121 0.0 24.7 37.1#

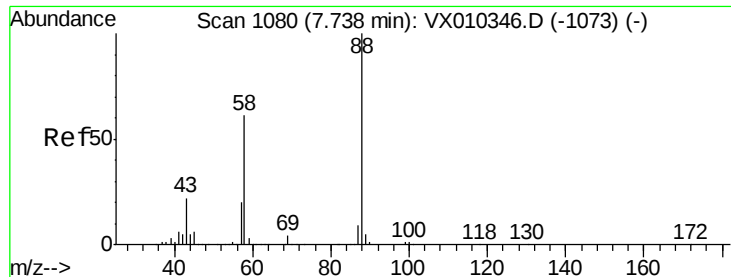


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

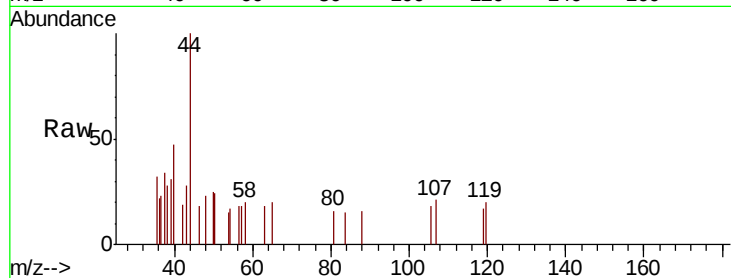




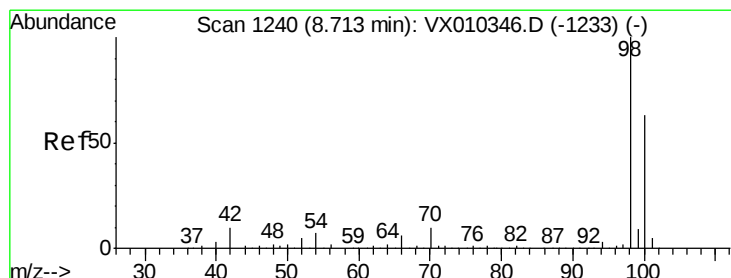
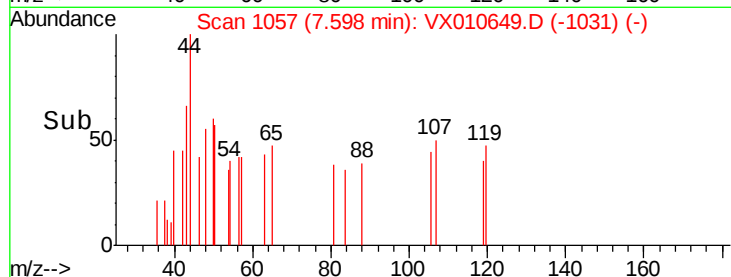
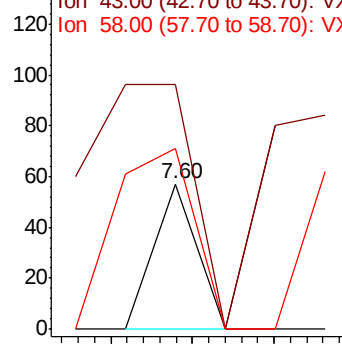
#49
1,4-Dioxane
Concen: 0.321 ug/l
RT: 7.60 min Scan# 1057
Delta R.T. -0.14 min
Lab File: VX010649.D
Acq: 03 Jul 2019 18:45

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 228.6 49.5 74.3#

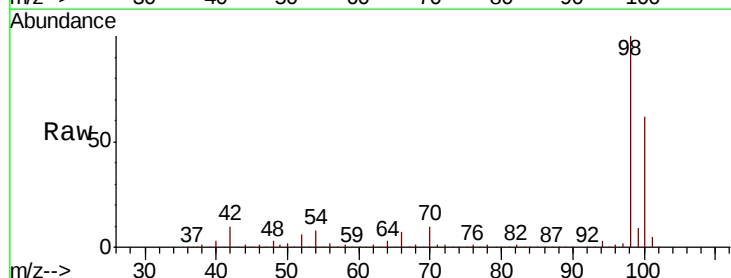


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

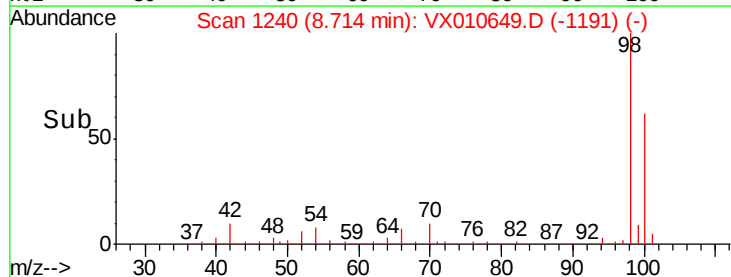
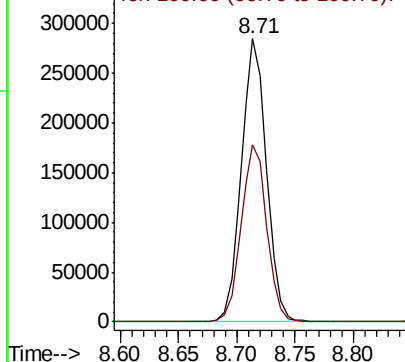


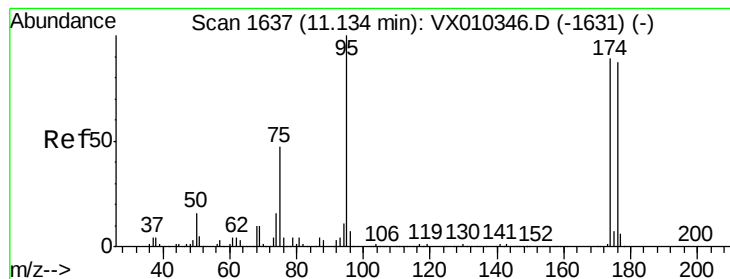
#50
Toluene-d8
Concen: 50.846 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010649.D
Acq: 03 Jul 2019 18:45

Tgt Ion: 98 Resp: 429378
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.247 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

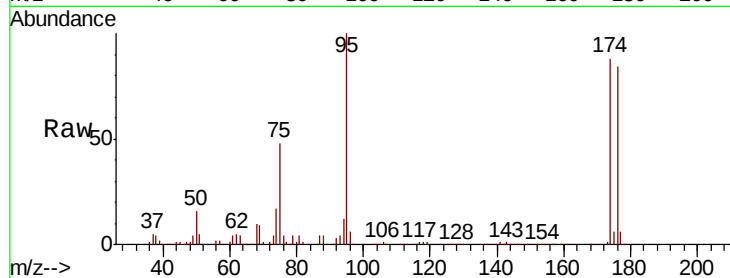
Tot Ion: 95 Resp: 144043

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.6

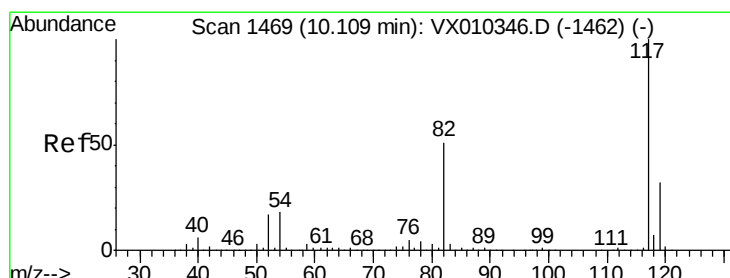
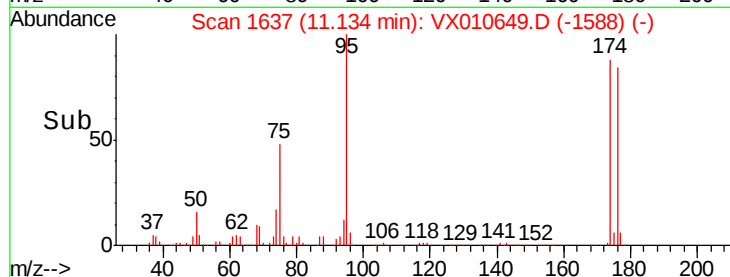
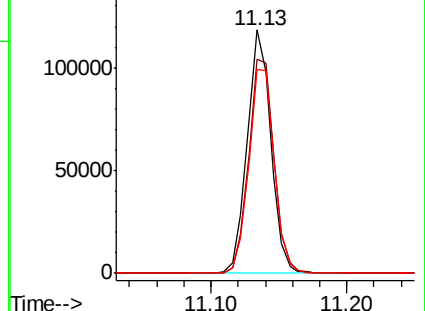
176 91.0 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

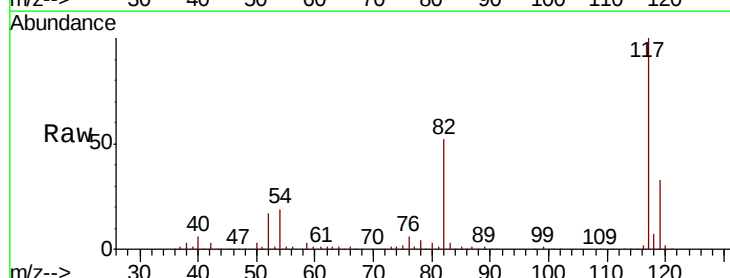
Tgt Ion: 117 Resp: 328169

Ion Ratio Lower Upper

117 100

82 52.0 41.2 61.8

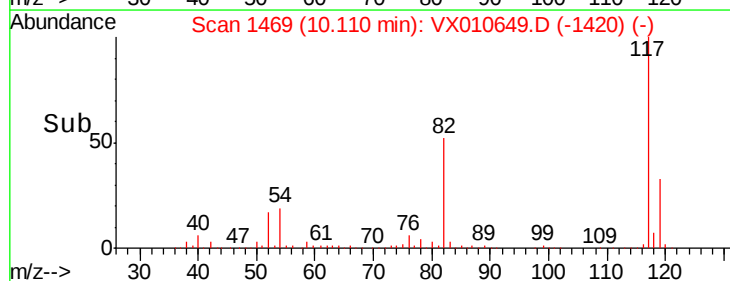
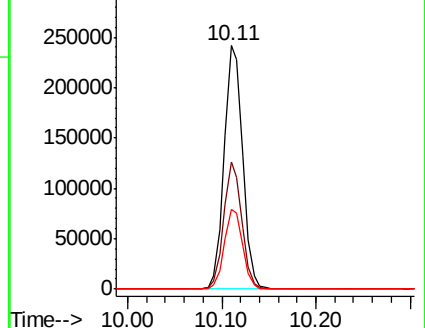
119 32.6 25.5 38.3

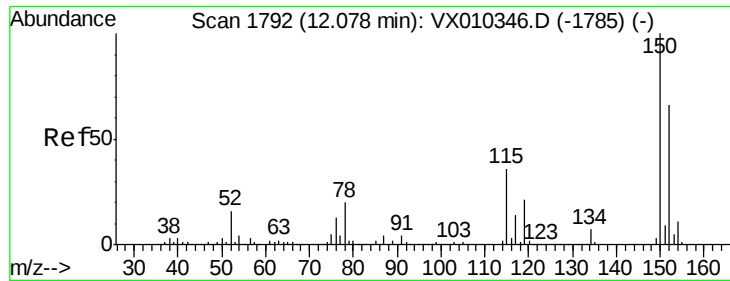


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010649.D

Acq: 03 Jul 2019 18:45

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

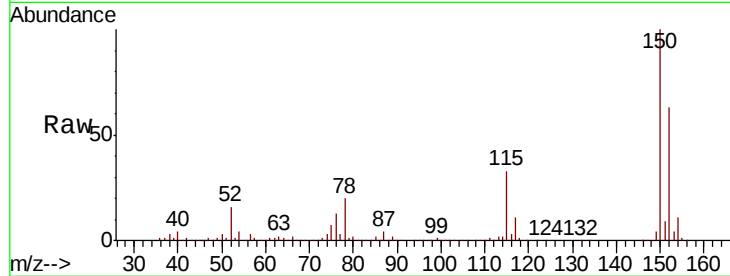
Tot Ion:152 Resp: 151349

Ion Ratio Lower Upper

152 100

115 54.9 38.6 115.7

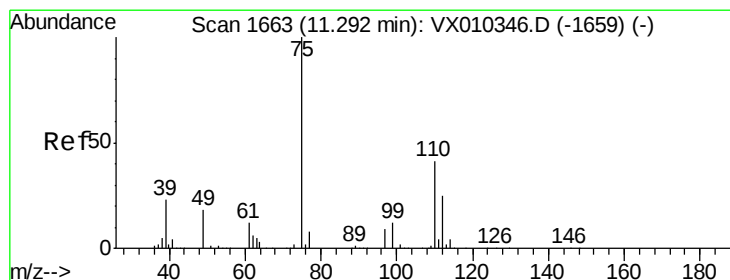
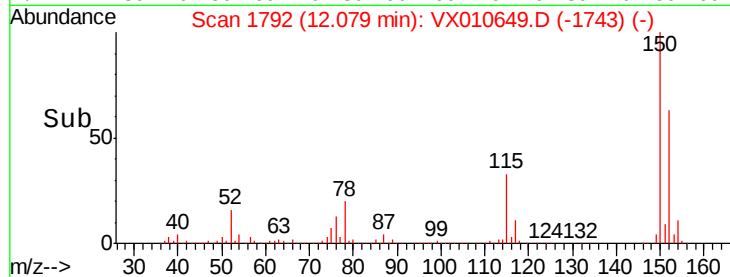
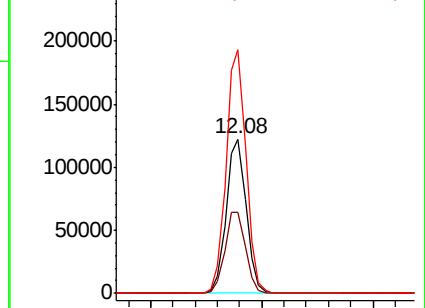
150 157.1 0.0 347.4



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: 25.490 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010649.D

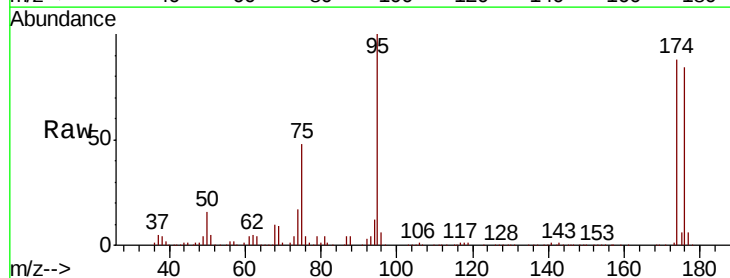
Acq: 03 Jul 2019 18:45

Tgt Ion: 75 Resp: 70301

Ion Ratio Lower Upper

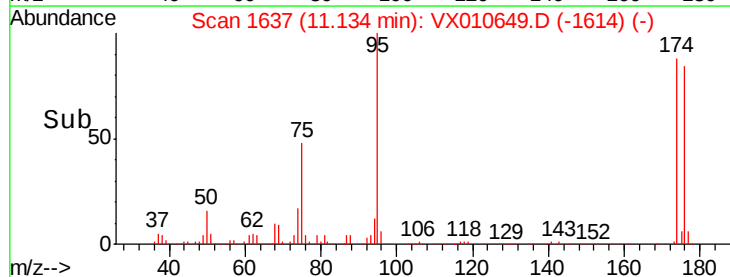
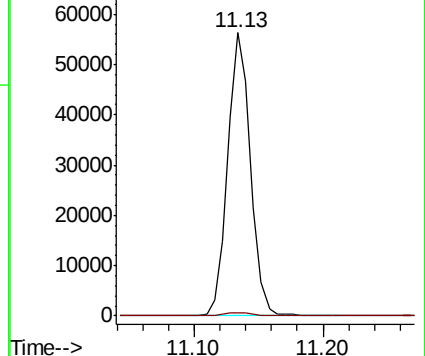
75 100

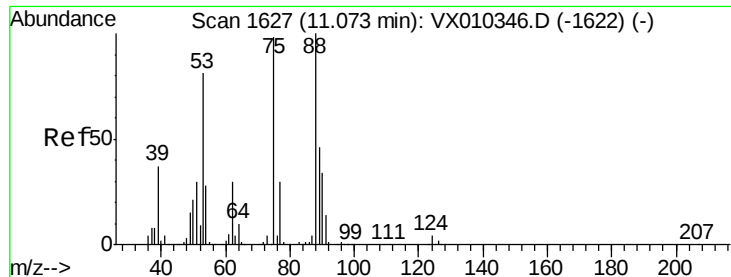
77 1.4 22.6 67.8#



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: 59.466 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010649.D
 Acq: 03 Jul 2019 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion: 75 Resp: 70301
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

