

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010807.D
 Acq On : 11 Jul 2019 15:13
 Operator : JC/SP
 Sample : K3756-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LC-TB02-190710

Quant Time: Jul 12 06:54:30 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	5.66	168	236477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368073	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154853	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	122061	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
35) Dibromofluoromethane	5.50	113	113618	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	8.71	98	446018	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.13	95	151338	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

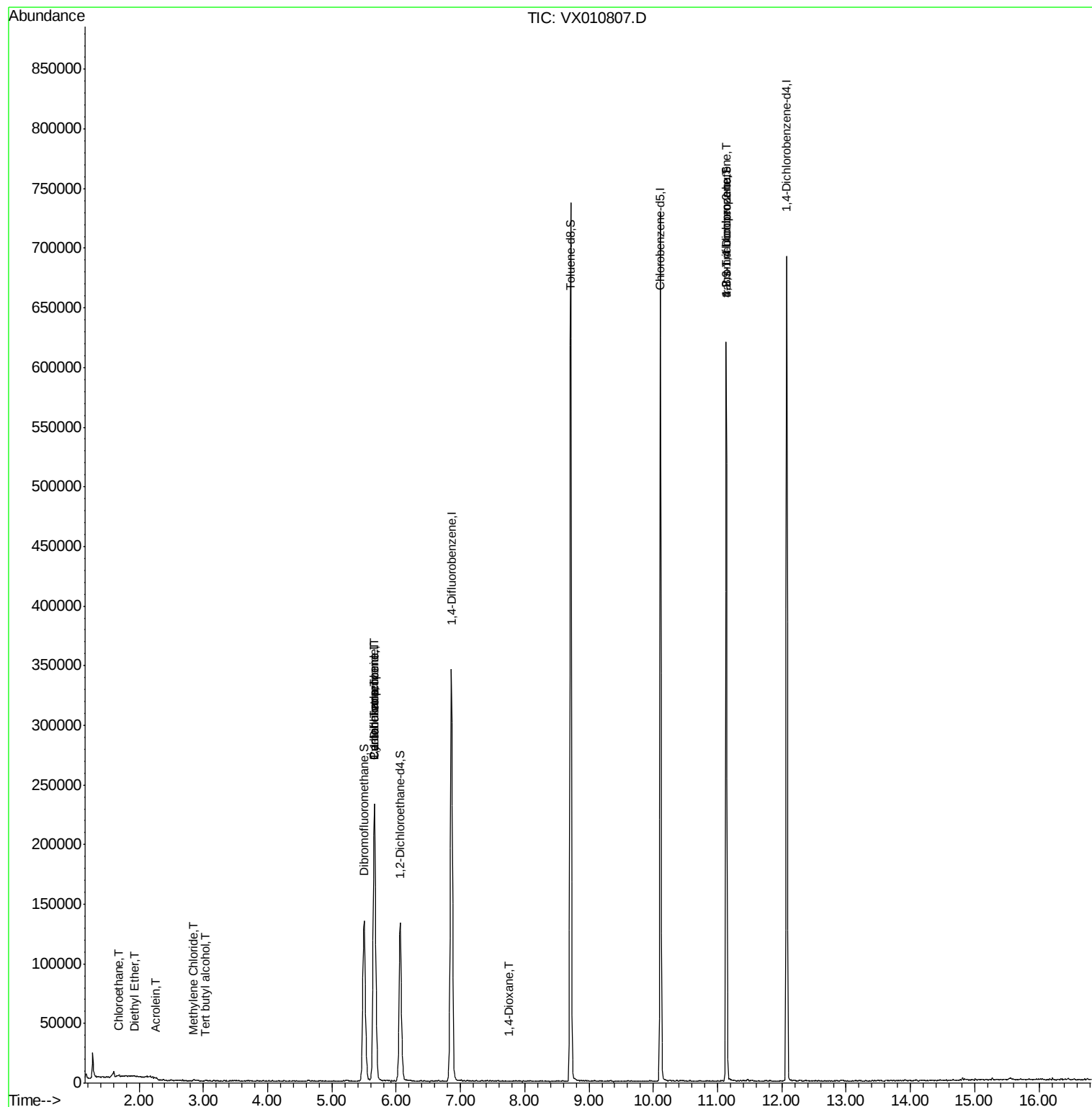
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	1611	1.302	ug/l #	54
8) Diethyl Ether	1.93	74	259	0.217	ug/l	81
11) Tert butyl alcohol	3.04	59	274	0.472	ug/l #	1
13) Acrolein	2.27	56	104	0.270	ug/l #	1
20) Methylene Chloride	2.85	84	479	0.209	ug/l #	50
31) Cyclohexane	5.67	56	4266	1.332	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	15618	5.340	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22253	7.026	ug/l #	14
49) 1,4-Dioxane	7.75	88	20	0.300	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	73006	25.872	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73006	60.356	ug/l #	16

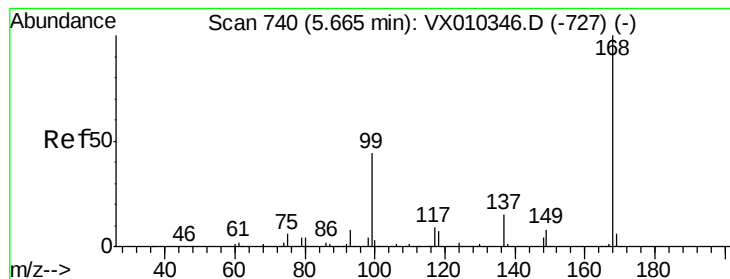
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071119\
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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

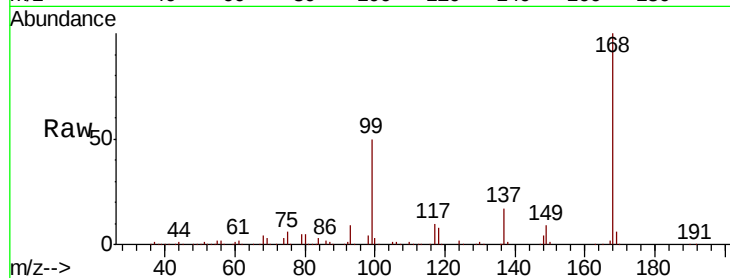
LC-TB02-190710

Tot Ion:168 Resp: 236477

Ion Ratio Lower Upper

168 100

99 50.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

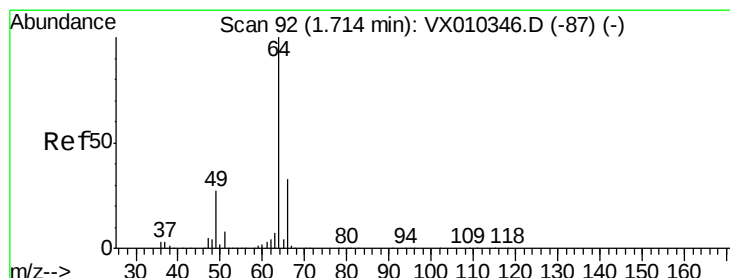
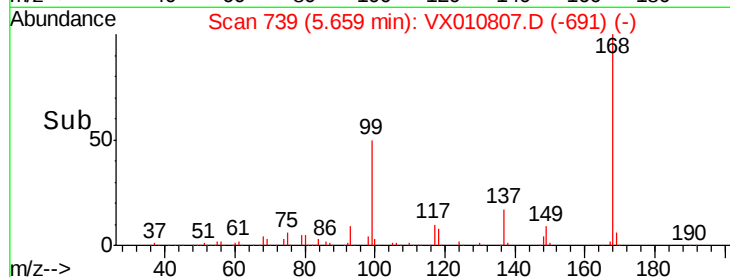
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.302 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010807.D

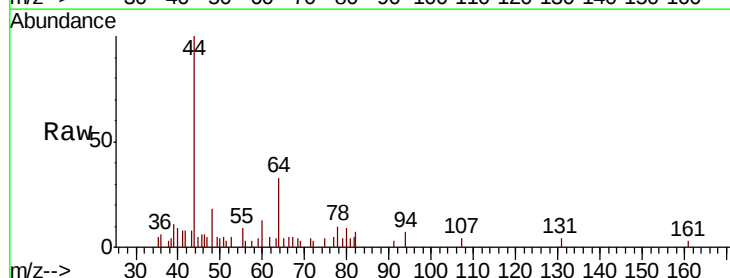
Acq: 11 Jul 2019 15:13

Tgt Ion: 64 Resp: 1611

Ion Ratio Lower Upper

64 100

66 7.1 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

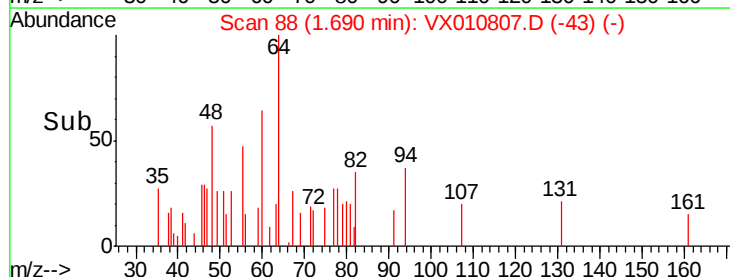
600

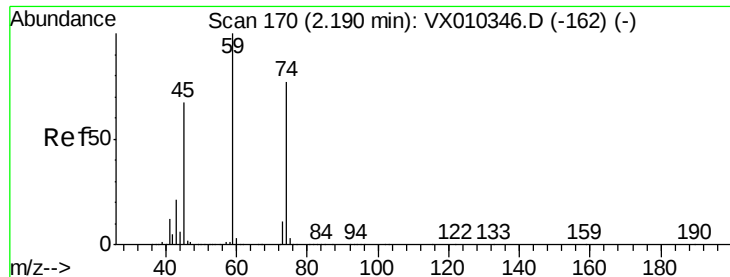
400

200

0

Time--> 1.55 1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.217 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.26 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

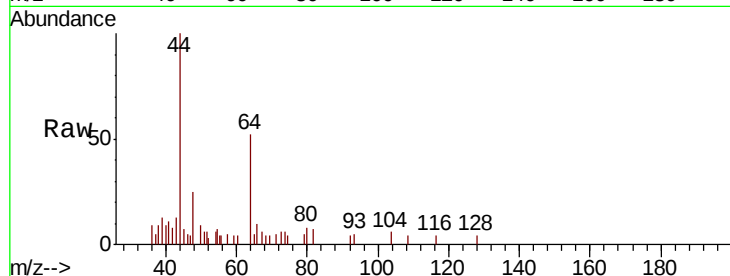
LC-TB02-190710

Tot Ion: 74 Resp: 259

Ion Ratio Lower Upper

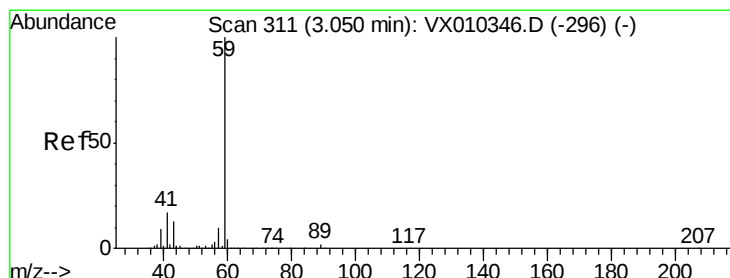
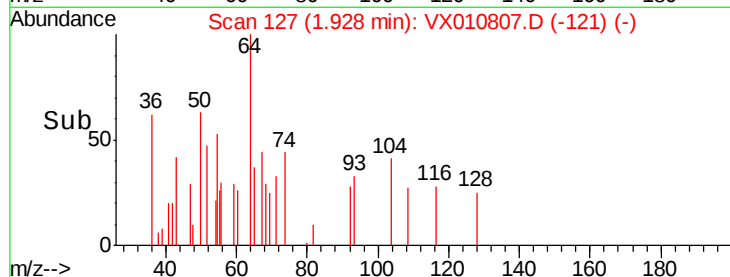
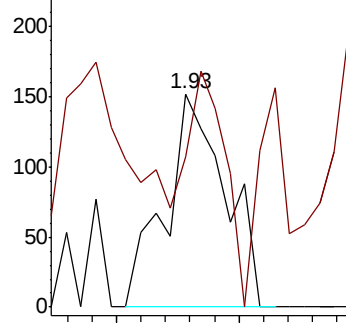
74 100

45 72.2 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.472 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010807.D

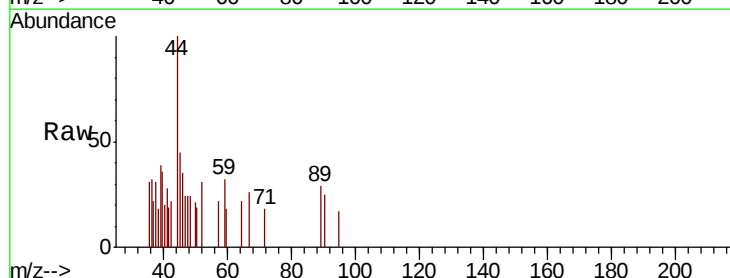
Acq: 11 Jul 2019 15:13

Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

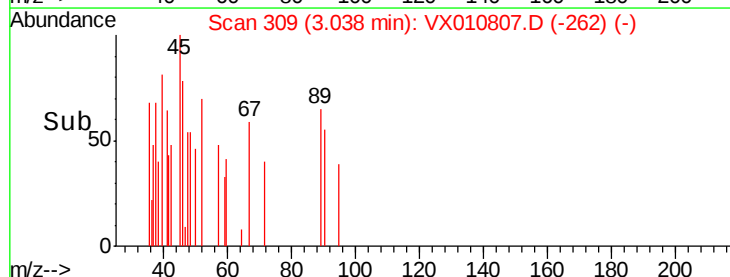
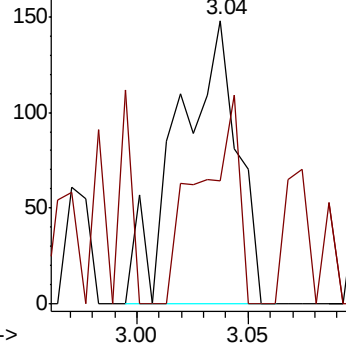
59 100

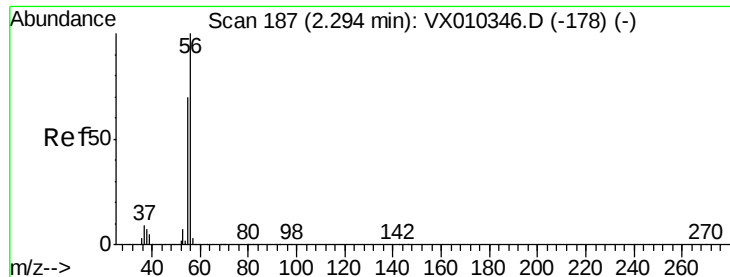
57 48.5 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.270 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

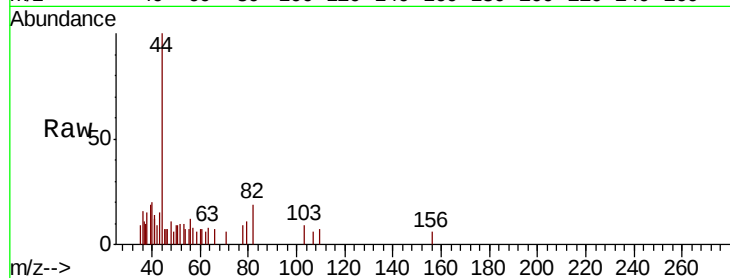
LC-TB02-190710

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

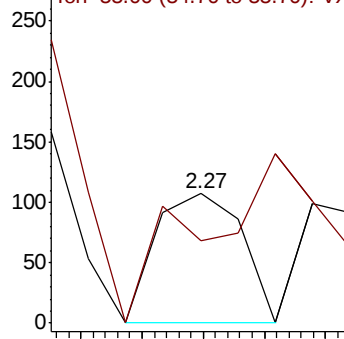
56 100

55 191.3 56.9 85.3#

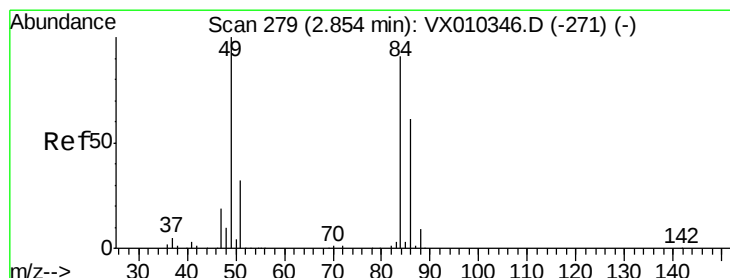
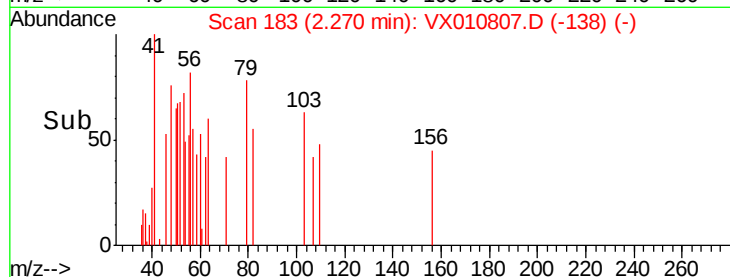


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

Tgt Ion: 84 Resp: 479

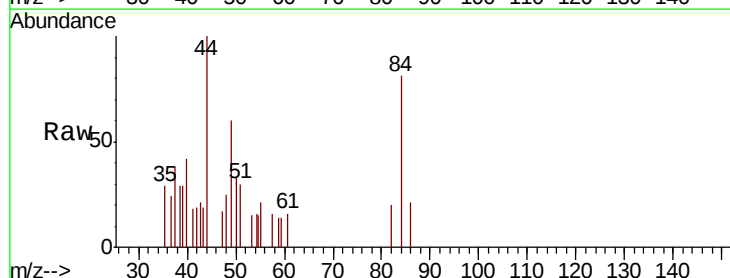
Ion Ratio Lower Upper

84 100

49 56.0 87.5 131.3#

51 8.9 27.7 41.5#

86 25.6 53.4 80.0#

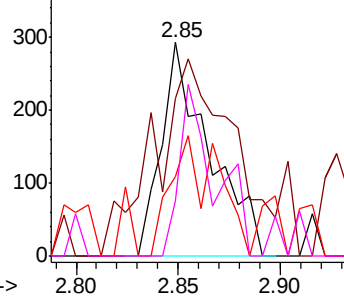


Abundance Ion 83.90 (83.60 to 84.60): VX0

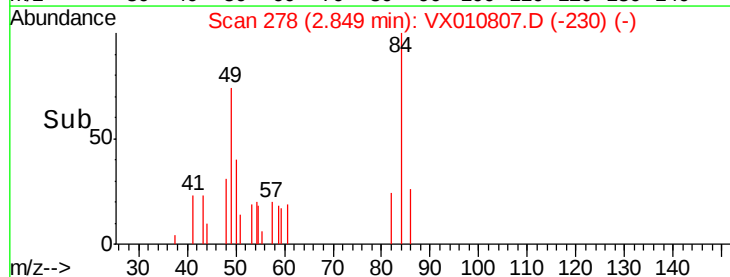
Ion 48.90 (48.60 to 49.60): VX0

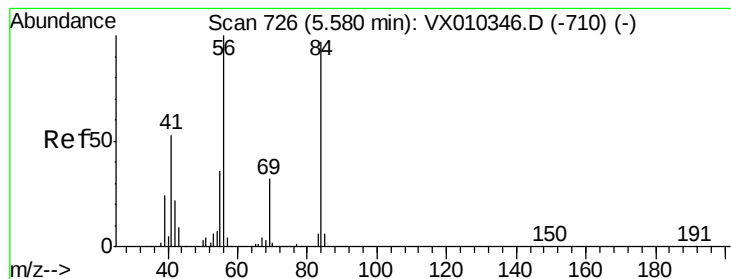
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#31

Cvclohexane

Concen: 1.332 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

LC-TB02-190710

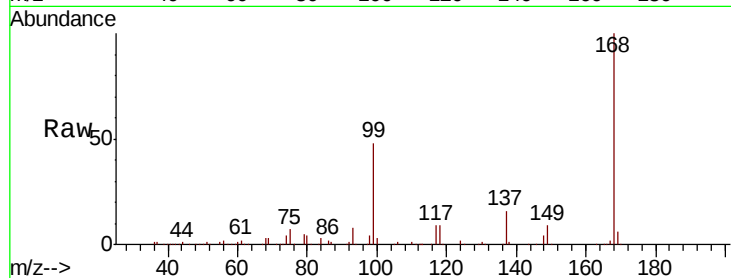
Tot Ion: 56 Resp: 4266

Ion Ratio Lower Upper

56 100

69 159.1 25.9 38.9#

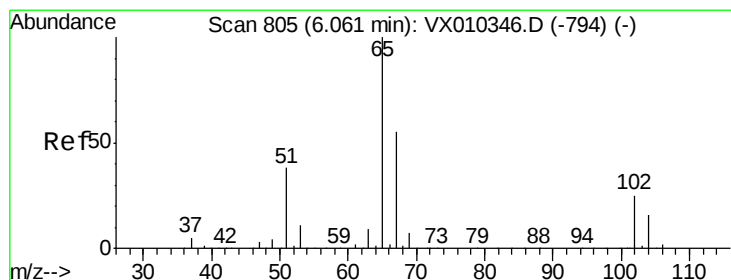
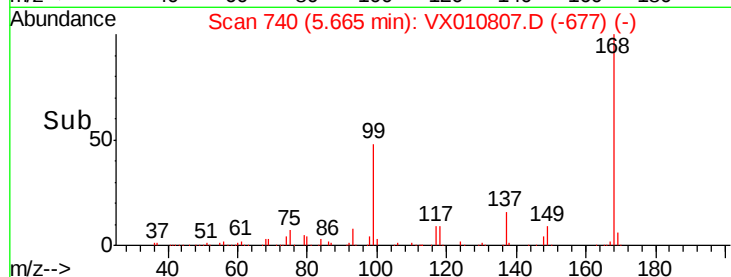
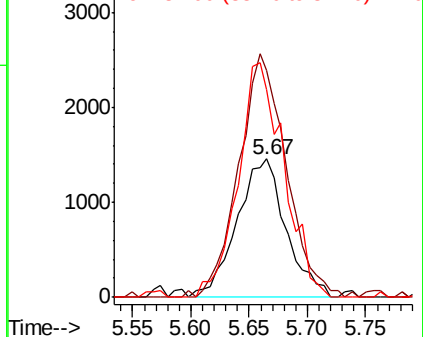
84 150.7 78.0 117.0#



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: 55.052 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010807.D

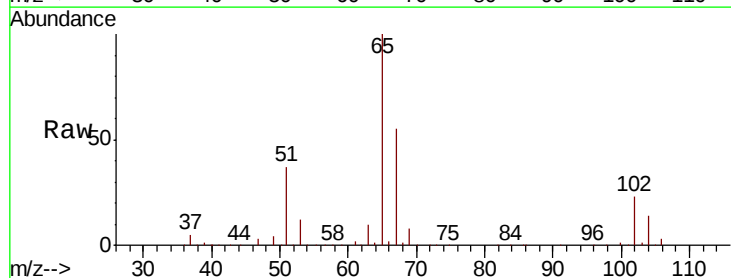
Acq: 11 Jul 2019 15:13

Tgt Ion: 65 Resp: 122061

Ion Ratio Lower Upper

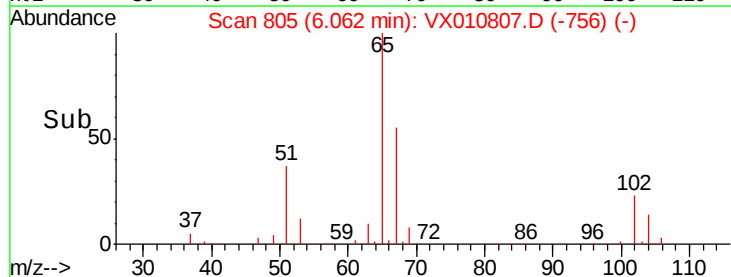
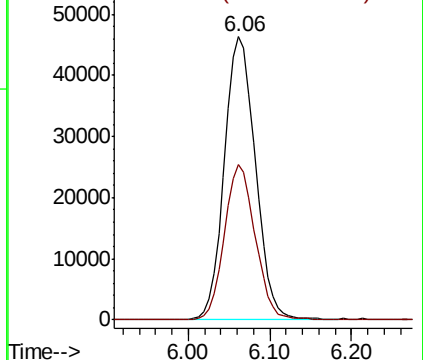
65 100

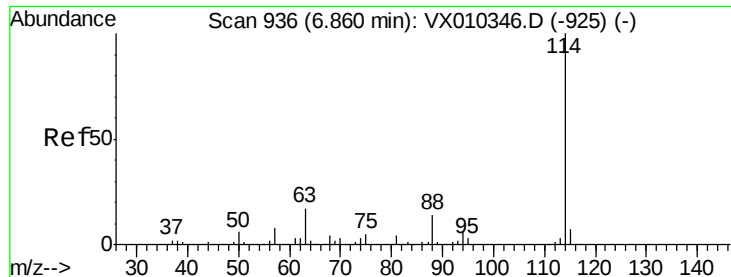
67 54.4 0.0 110.2



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: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

LC-TB02-190710

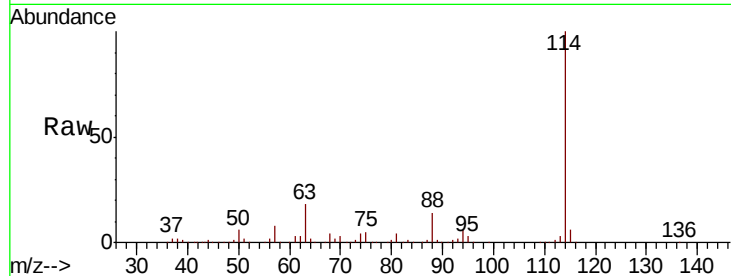
Tot Ion:114 Resp: 368073

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.8

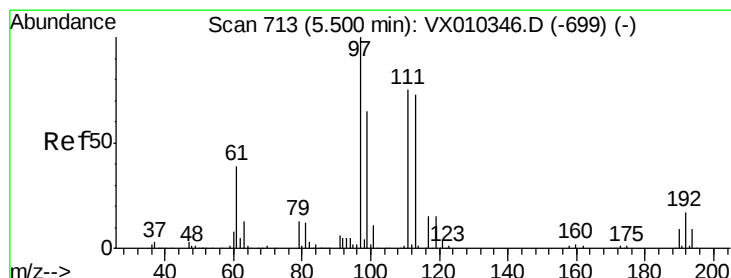
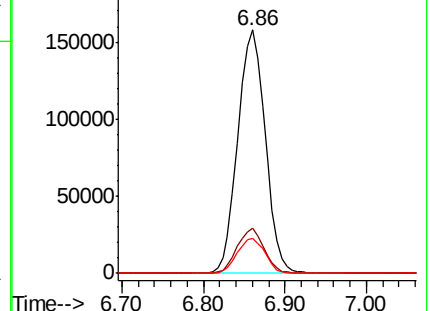
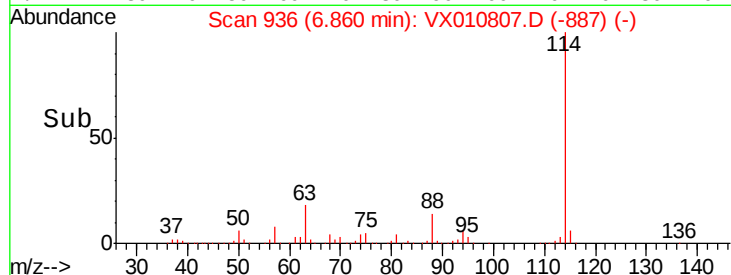
88 14.5 0.0 27.6



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: 50.452 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

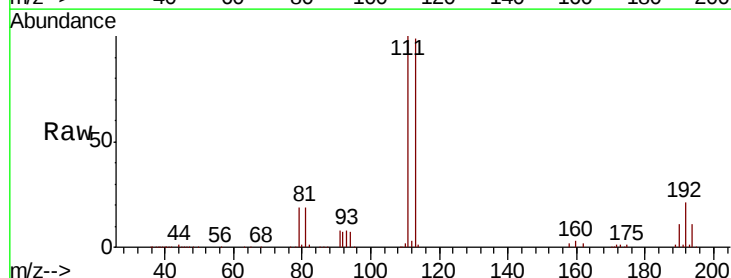
Tgt Ion:113 Resp: 113618

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

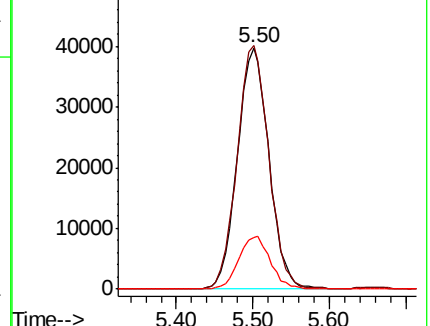
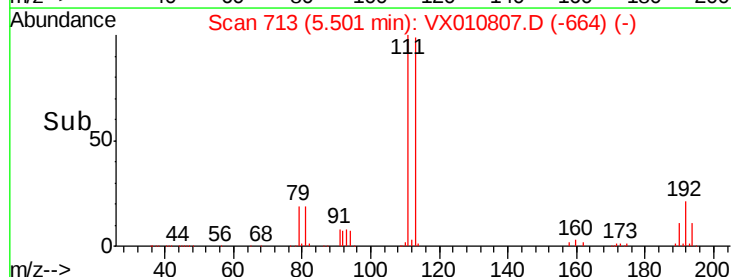
192 22.0 18.6 27.8

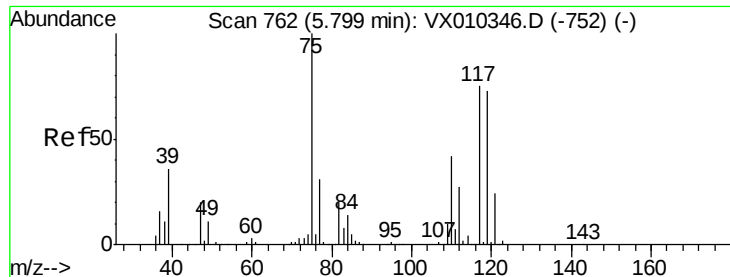


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

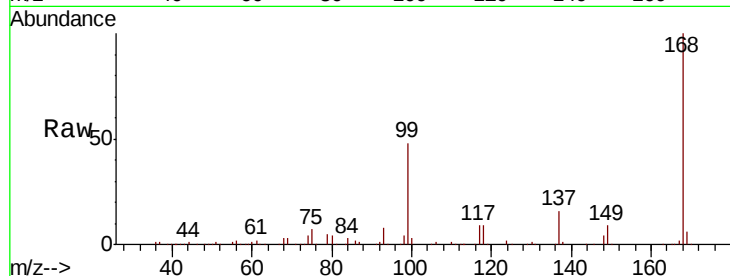




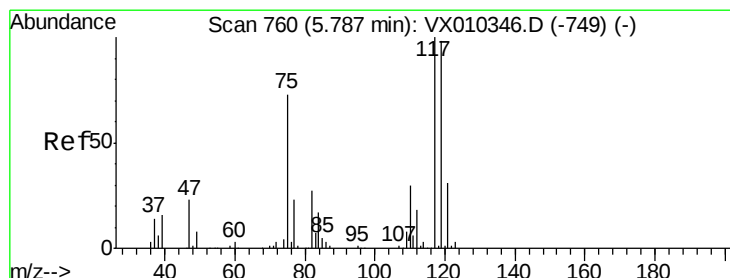
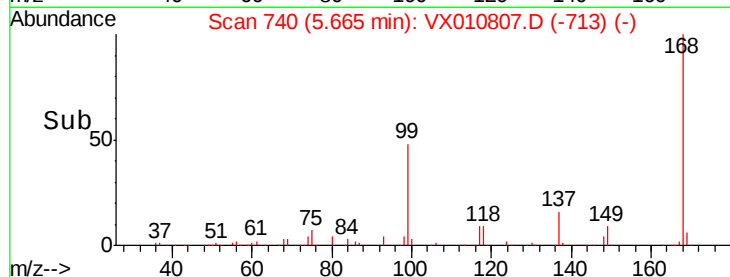
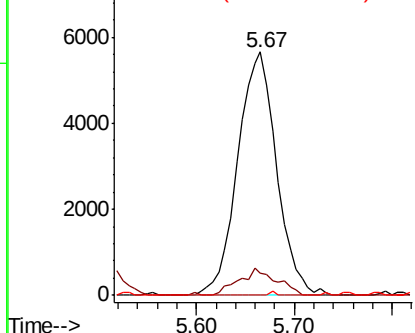
#36
 1,1-Dichloropropene
 Concen: 5.340 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010807.D
 Acq: 11 Jul 2019 15:13

Instrument :
 MSVOA_X
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 LC-TB02-190710

Tot Ion	75	Resp	15618
Ion Ratio	100	Lower	Upper
110	10.7	20.8	62.2#
77	0.2	25.4	38.0#

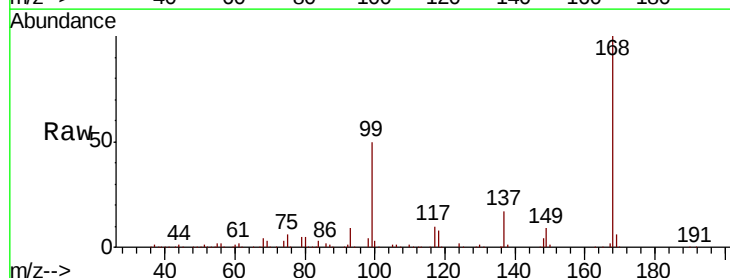


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

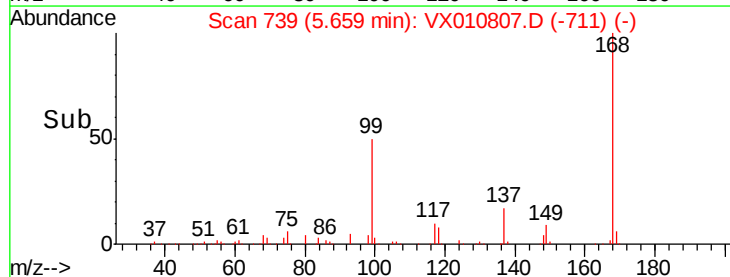
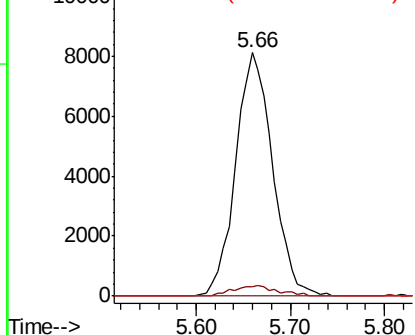


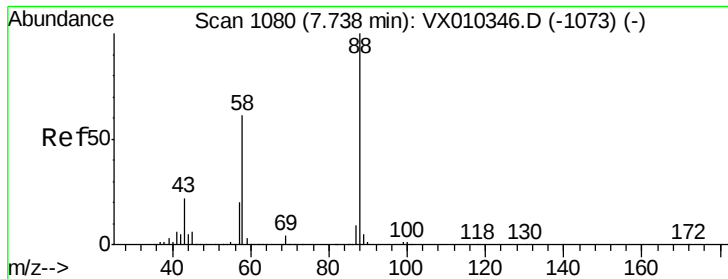
#38
 Carbon Tetrachloride
 Concen: 7.026 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010807.D
 Acq: 11 Jul 2019 15:13

Tgt Ion	117	Resp	22253
Ion Ratio	100	Lower	Upper
119	3.9	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

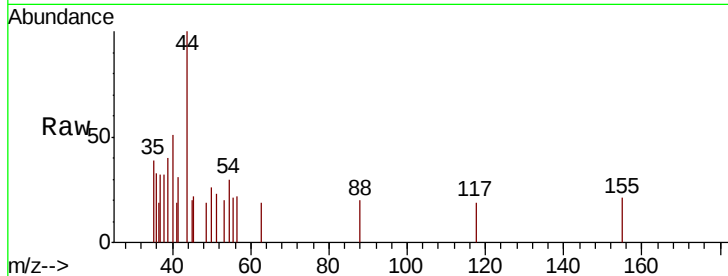




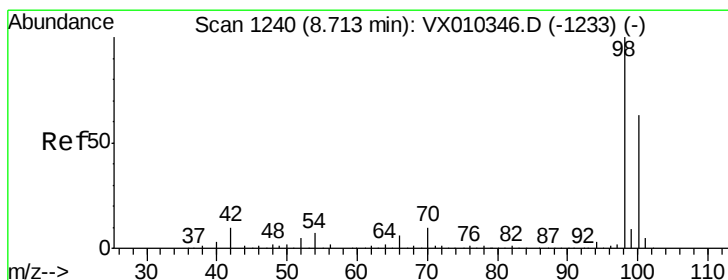
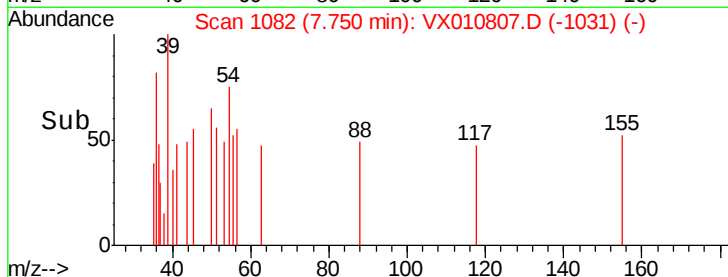
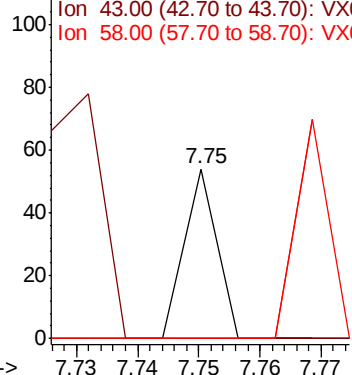
#49
1,4-Dioxane
Concen: 0.300 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010807.D
Acq: 11 Jul 2019 15:13

Instrument :
MSVOA_X
ClientSampled :
LC-TB02-190710

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 130.0 49.5 74.3#

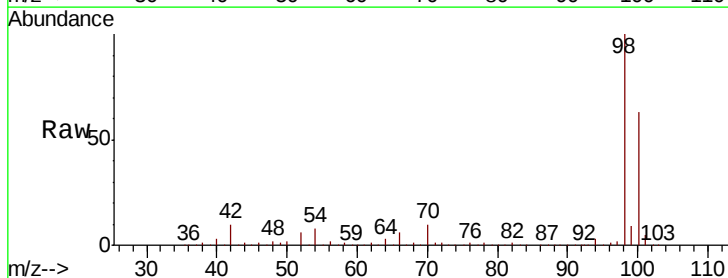


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

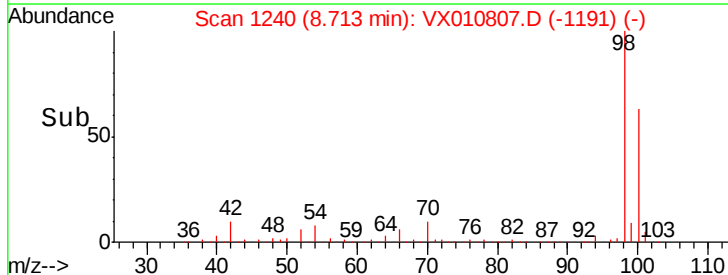
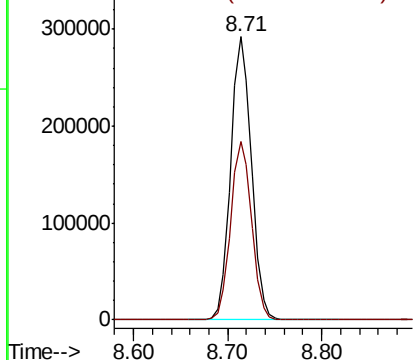


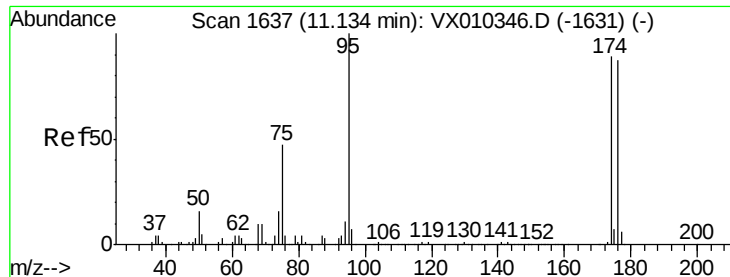
#50
Toluene-d8
Concen: 51.768 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010807.D
Acq: 11 Jul 2019 15:13

Tgt Ion: 98 Resp: 446018
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: 48.654 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

LC-TB02-190710

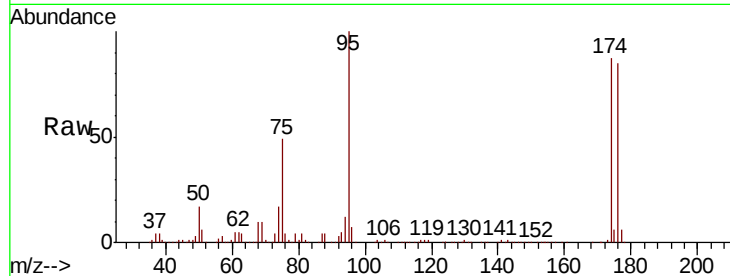
Tot Ion: 95 Resp: 151338

Ion Ratio Lower Upper

95 100

174 91.3 0.0 187.6

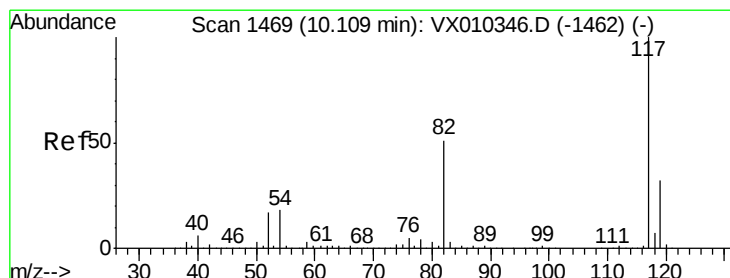
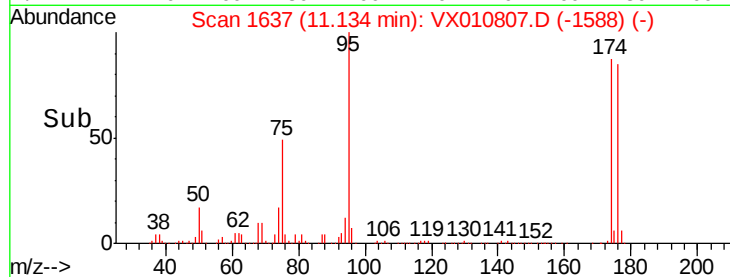
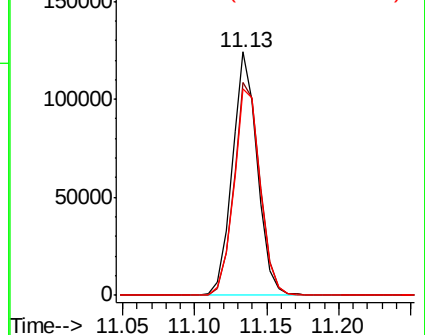
176 89.4 0.0 184.0



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: VX010807.D

Acq: 11 Jul 2019 15:13

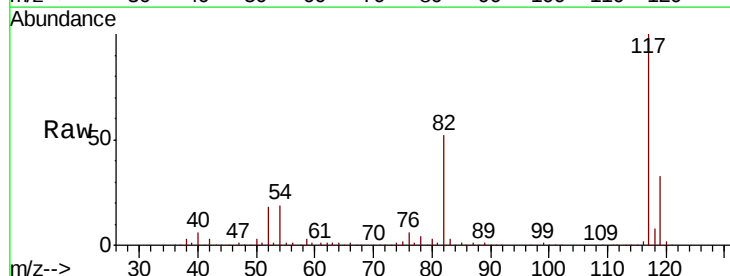
Tgt Ion: 117 Resp: 335258

Ion Ratio Lower Upper

117 100

82 52.5 41.2 61.8

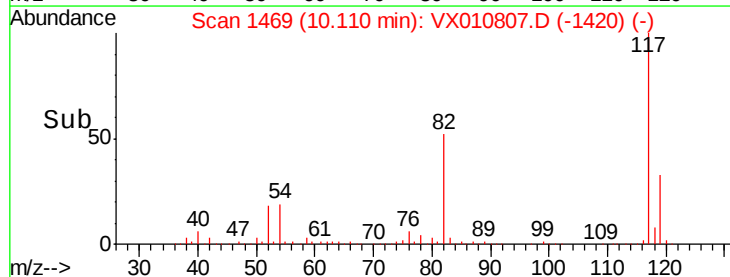
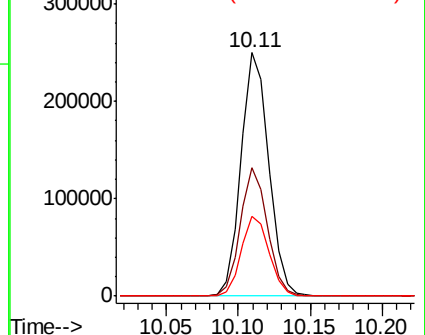
119 32.7 25.5 38.3

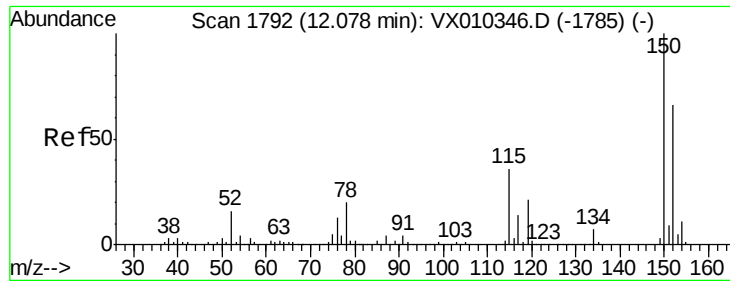


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

LC-TB02-190710

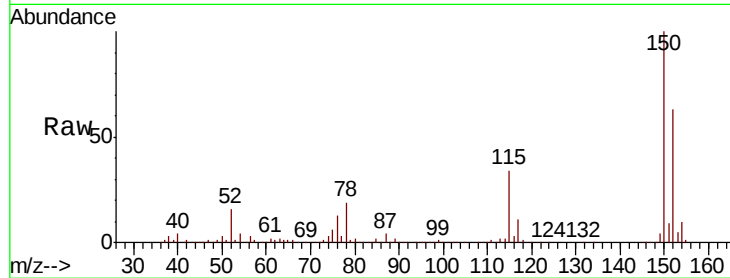
Tot Ion:152 Resp: 154853

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

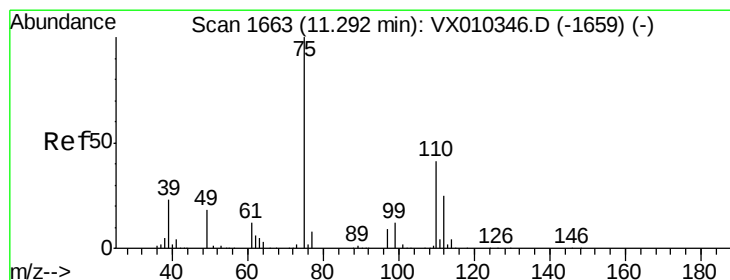
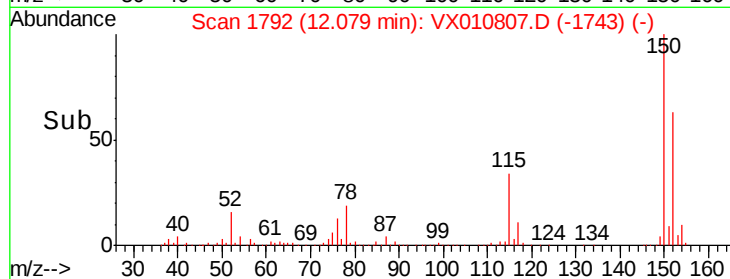
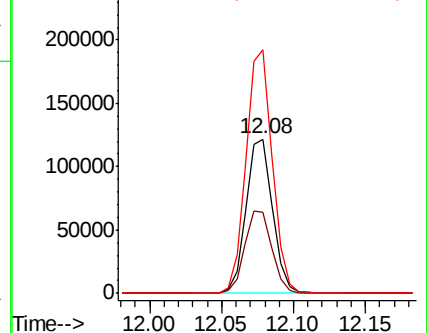
150 156.9 0.0 347.4



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: 25.872 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010807.D

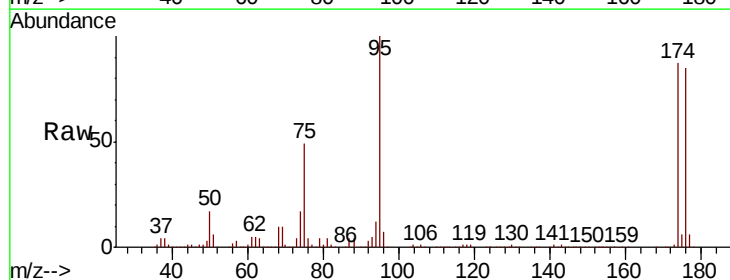
Acq: 11 Jul 2019 15:13

Tgt Ion: 75 Resp: 73006

Ion Ratio Lower Upper

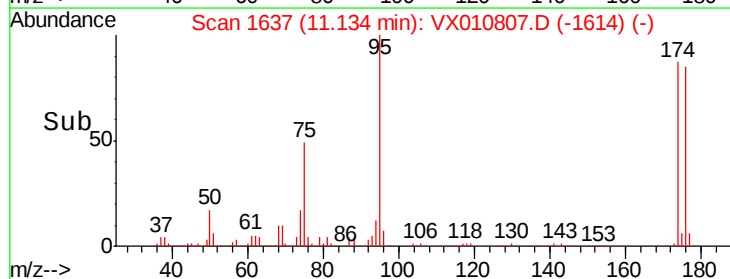
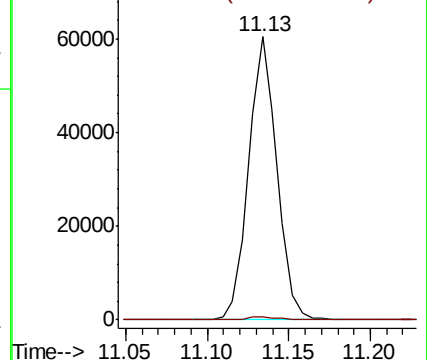
75 100

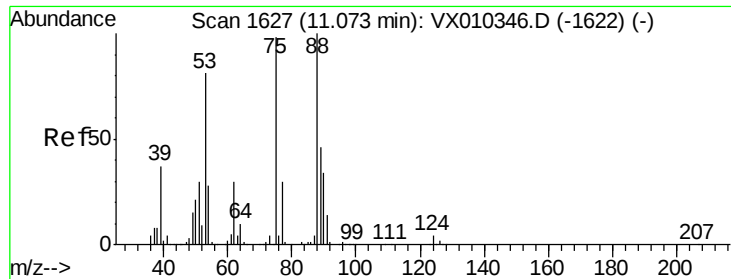
77 1.4 22.6 67.8#



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: 60.356 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010807.D

Acq: 11 Jul 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

LC-TB02-190710

Tot Ion: 75 Resp: 73006

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

