

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010672.D
 Acq On : 04 Jul 2019 07:05
 Operator : JC/SP
 Sample : K3669-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0533-190701

Quant Time: Jul 05 02:07:01 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	231150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	355719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157970	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	116325	53.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.34%	
35) Dibromofluoromethane	5.50	113	108647	49.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.84%	
50) Toluene-d8	8.71	98	430190	51.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.13	95	148453	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	

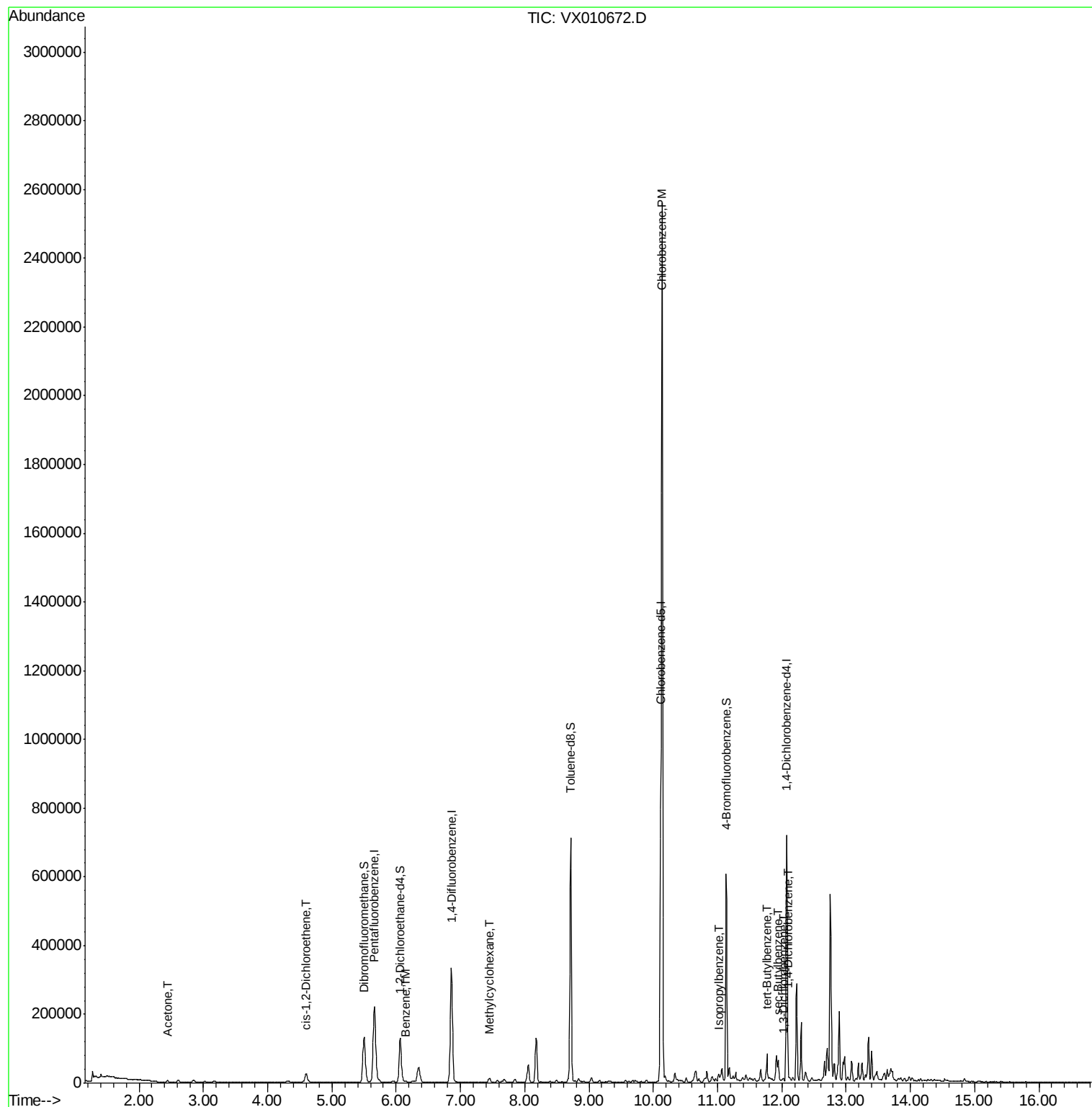
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	5966	5.493	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	17225	6.917	ug/l	89
39) Methylcyclohexane	7.45	83	3491	0.940	ug/l #	54
40) Benzene	6.15	78	3606	0.409	ug/l #	90
65) Chlorobenzene	10.14	112	1156767	173.170	ug/l	98
73) Isopropylbenzene	11.02	105	12114	1.131	ug/l	97
83) tert-Butylbenzene	11.77	119	30575	3.451	ug/l	89
85) sec-Butylbenzene	11.94	105	28731	2.762	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	1621	0.311	ug/l #	77
88) 1,4-Dichlorobenzene	12.10	146	3248	0.611	ug/l #	44

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

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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: VX010672.D

Acq: 04 Jul 2019 07:05

Instrument :

MSVOA_X

ClientSampleId :

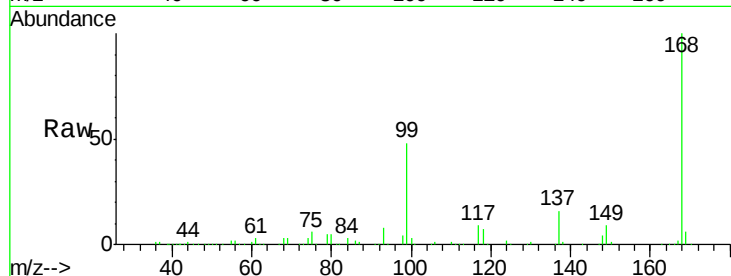
DUP-0533-190701

Tot Ion:168 Resp: 231150

Ion Ratio Lower Upper

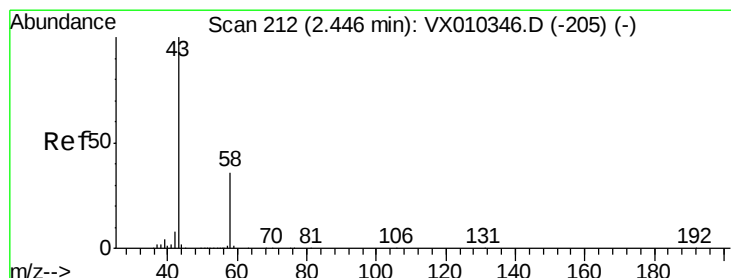
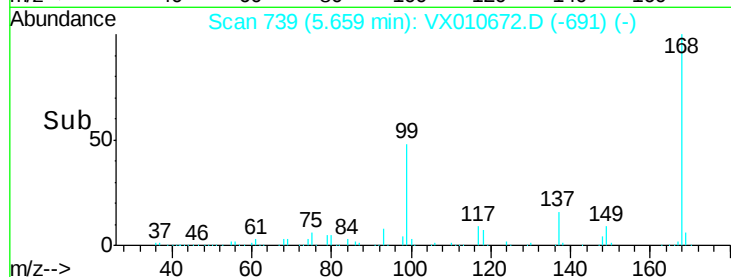
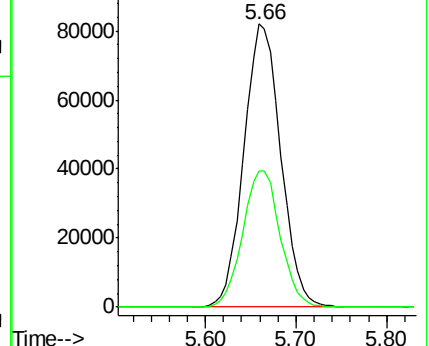
168 100

99 48.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.493 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010672.D

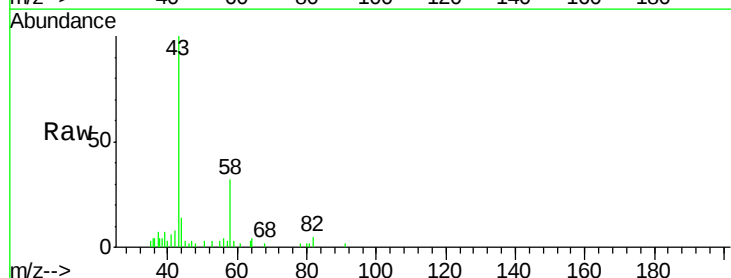
Acq: 04 Jul 2019 07:05

Tgt Ion: 43 Resp: 5966

Ion Ratio Lower Upper

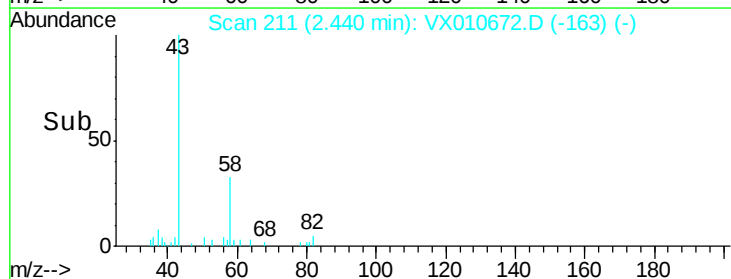
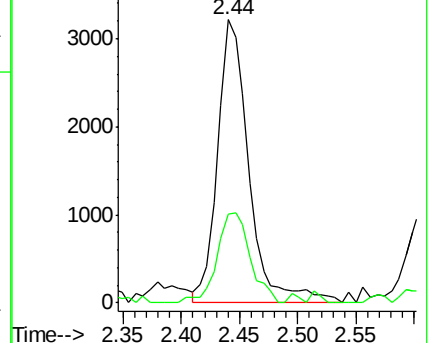
43 100

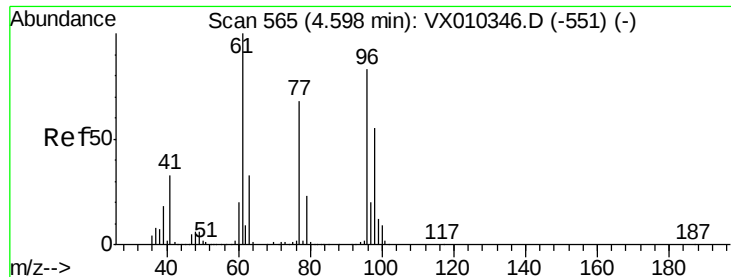
58 31.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



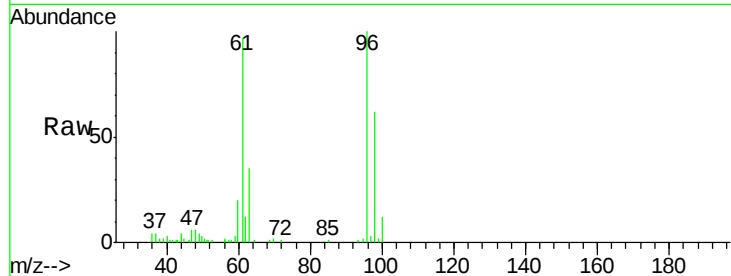


#27

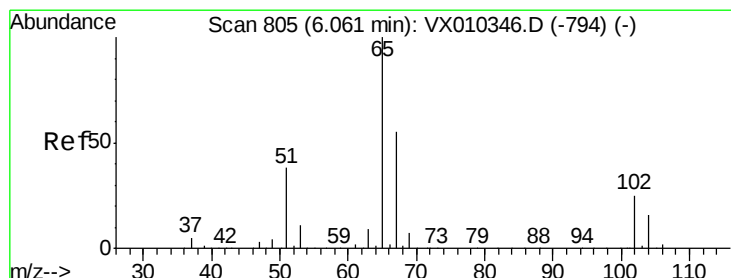
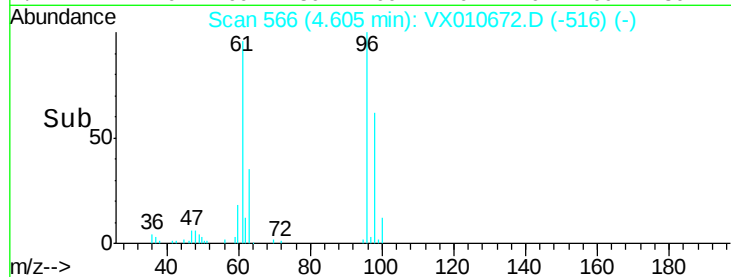
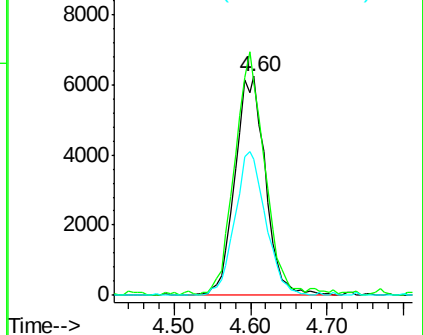
cis-1,2-Dichloroethene
 Concen: 6.917 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010672.D
 Acq: 04 Jul 2019 07:05

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0533-190701

Tot Ion	Ratio	Lower	Upper
96	100		
61	108.9	0.0	251.8
98	66.4	0.0	129.4



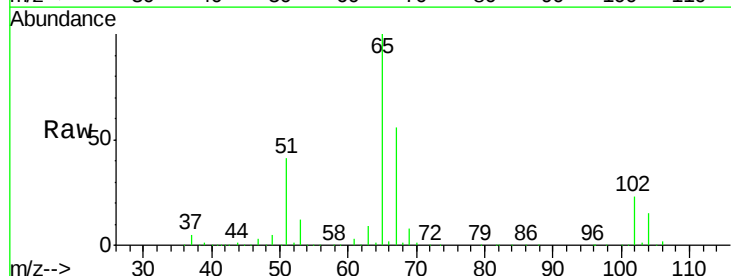
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



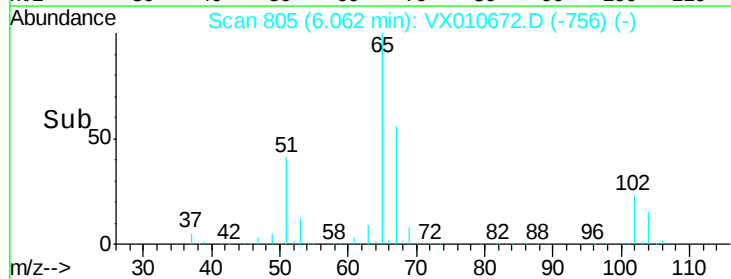
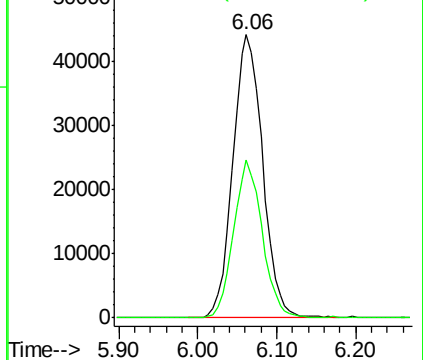
#33

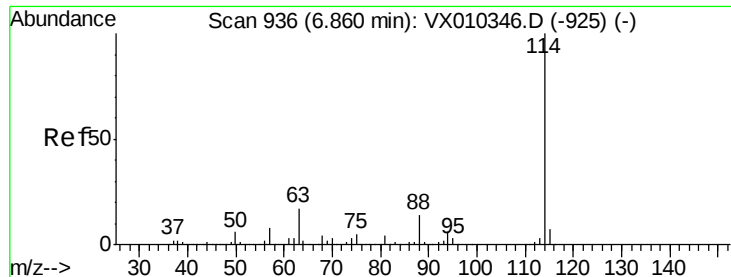
1,2-Dichloroethane-d4
 Concen: 53.674 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010672.D
 Acq: 04 Jul 2019 07:05

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.5	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: VX010672.D

Acq: 04 Jul 2019 07:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-0533-190701

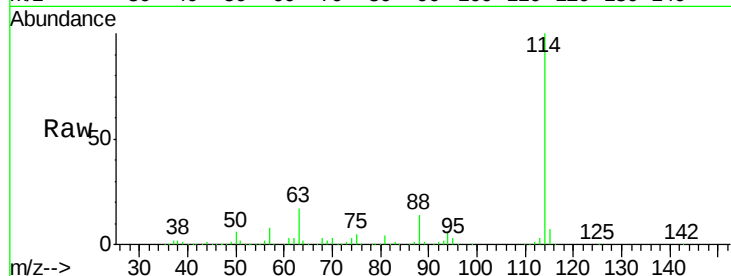
Tot Ion:114 Resp: 355719

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

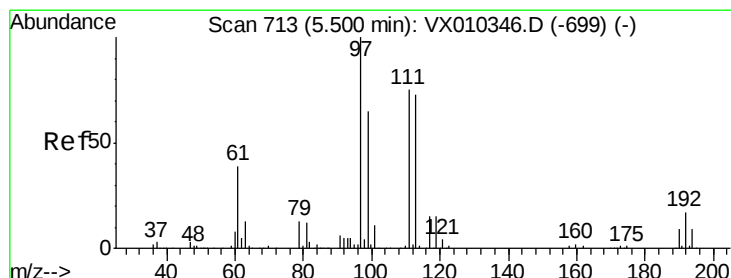
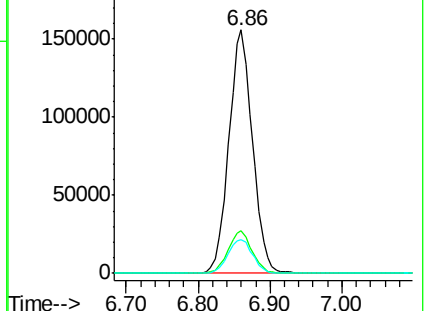
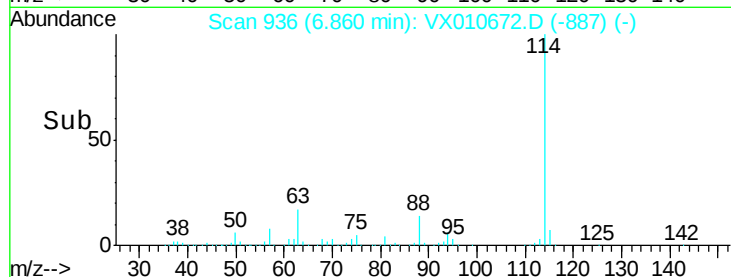
88 13.7 0.0 27.6



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: 49.920 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010672.D

Acq: 04 Jul 2019 07:05

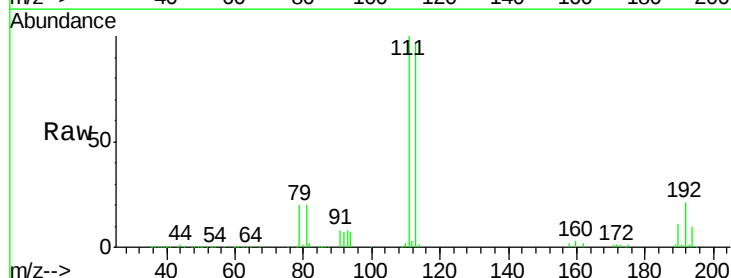
Tgt Ion:113 Resp: 108647

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

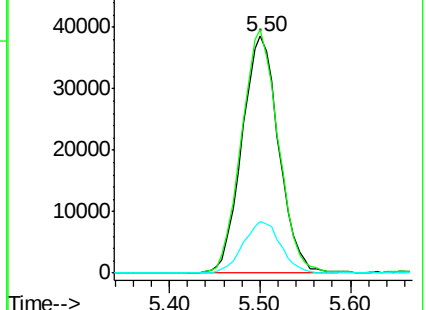
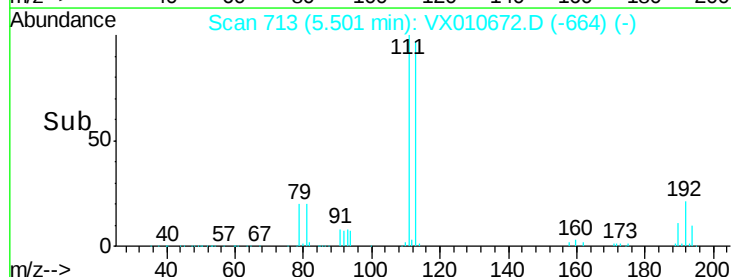
192 22.2 18.6 27.8

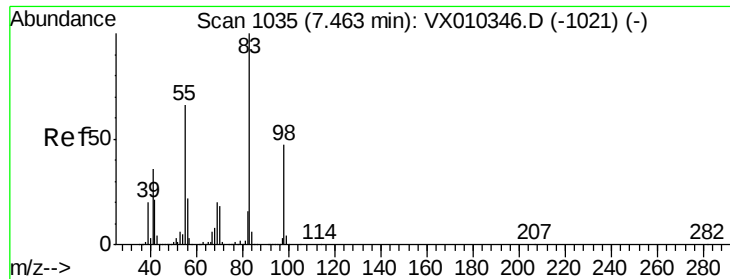


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

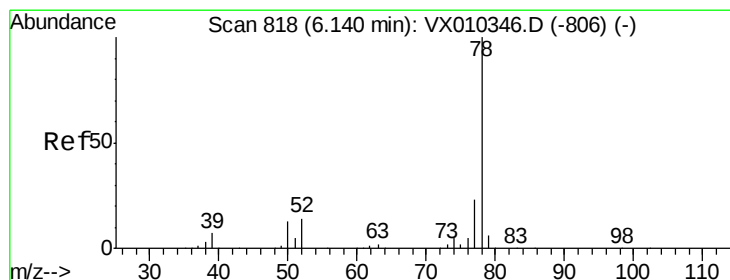
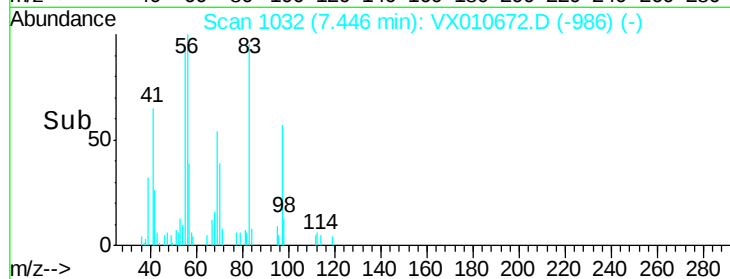
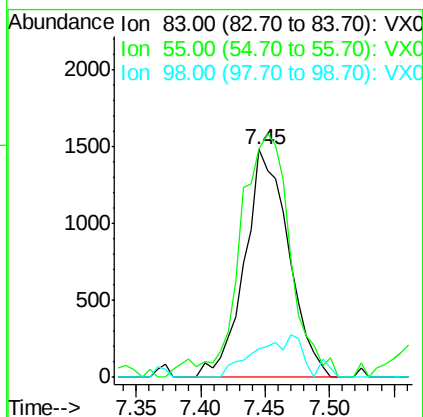
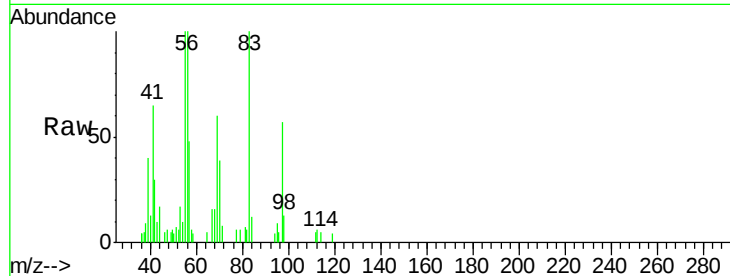




#39
Methvlcvclohexane
Concen: 0.940 ug/l
RT: 7.45 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VX010672.D
Acq: 04 Jul 2019 07:05

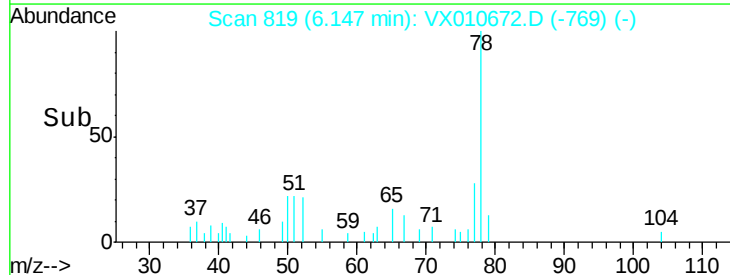
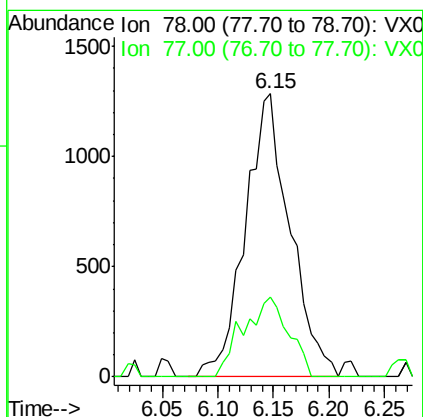
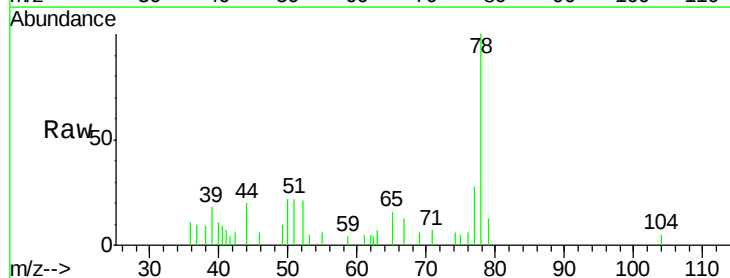
Instrument :
MSVOA_X
ClientSampleId :
DUP-0533-190701

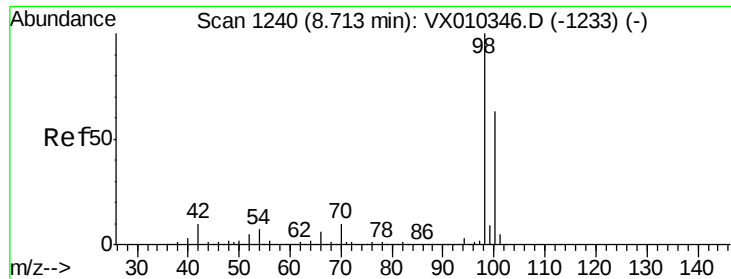
Tot Ion: 83 Resp: 3491
Ion Ratio Lower Upper
83 100
55 100.3 53.0 79.6#
98 12.6 37.8 56.8#



#40
Benzene
Concen: 0.409 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010672.D
Acq: 04 Jul 2019 07:05

Tgt Ion: 78 Resp: 3606
Ion Ratio Lower Upper
78 100
77 28.4 18.6 28.0#

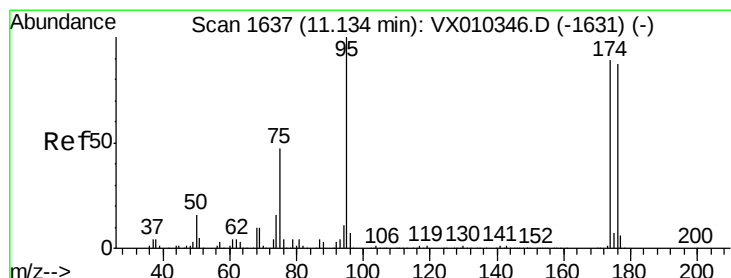
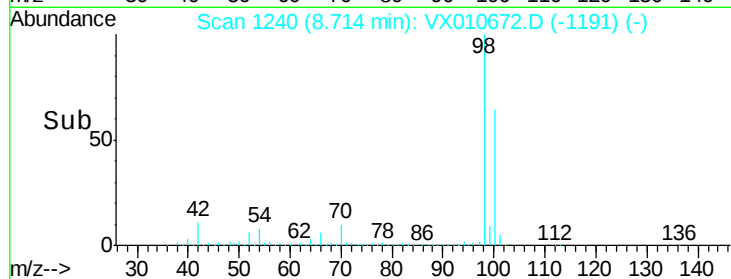
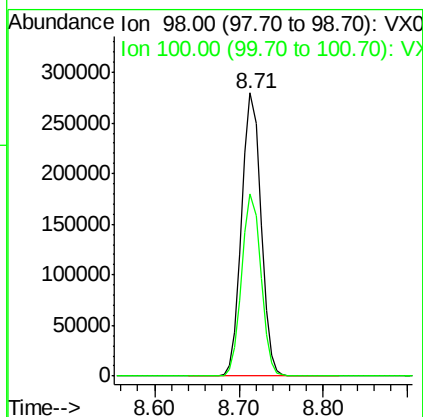
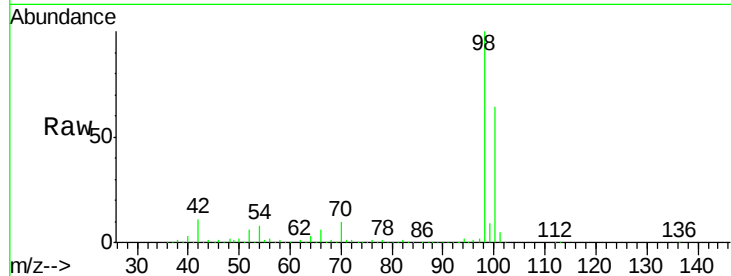




#50
Toluene-d8
Concen: 51.665 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010672.D
Acq: 04 Jul 2019 07:05

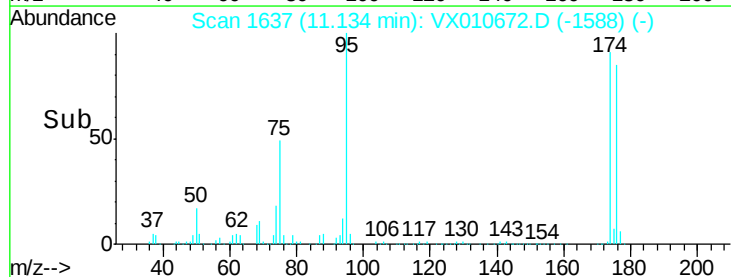
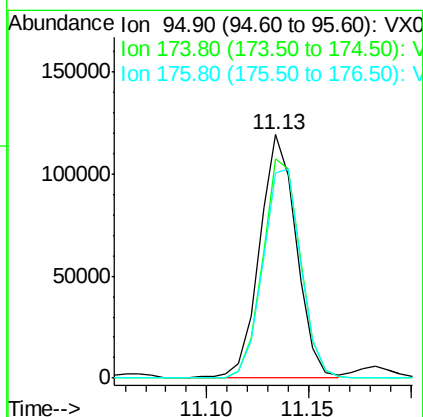
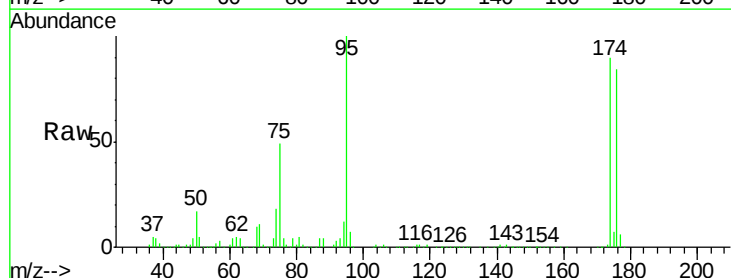
Instrument :
MSVOA_X
ClientSampleId :
DUP-0533-190701

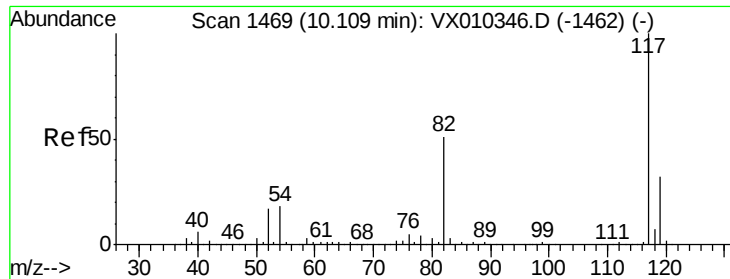
Tot Ion: 98 Resp: 430190
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 49.384 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010672.D
Acq: 04 Jul 2019 07:05

Tgt Ion: 95 Resp: 148453
Ion Ratio Lower Upper
95 100
174 92.9 0.0 187.6
176 89.9 0.0 184.0

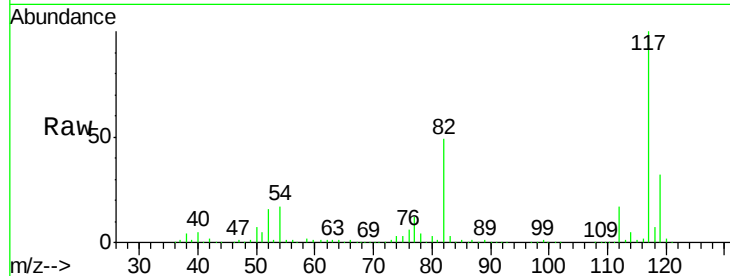




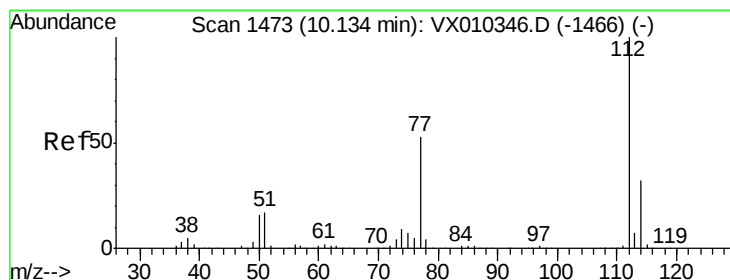
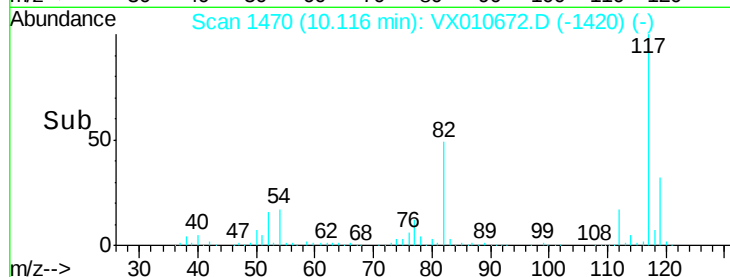
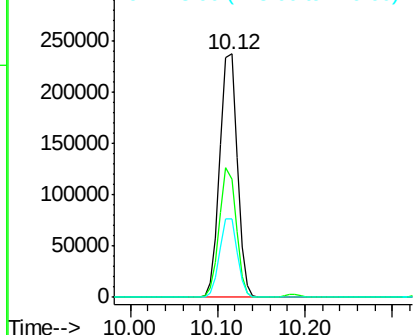
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010672.D
Acq: 04 Jul 2019 07:05

Instrument :
MSVOA_X
ClientSampleId :
DUP-0533-190701

Tot Ion:117 Resp: 329030
Ion Ratio Lower Upper
117 100
82 48.7 41.2 61.8
119 32.1 25.5 38.3

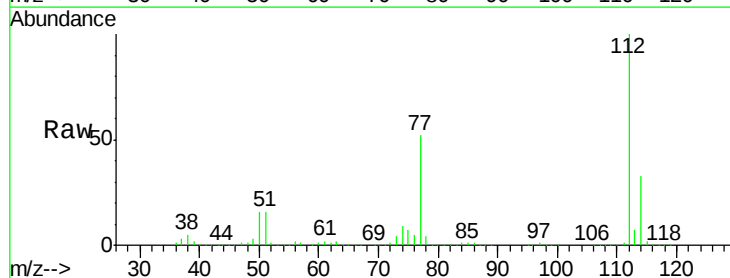


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

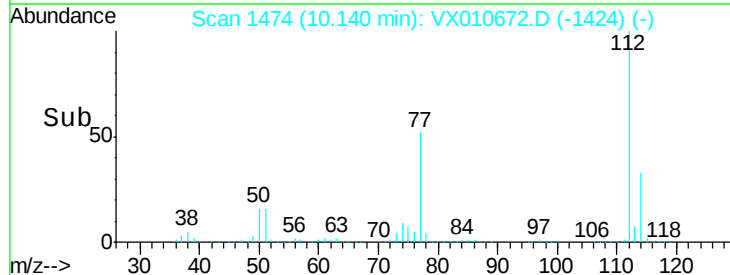
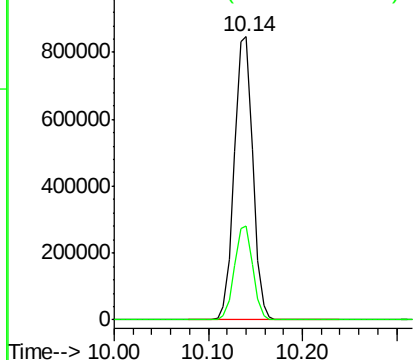


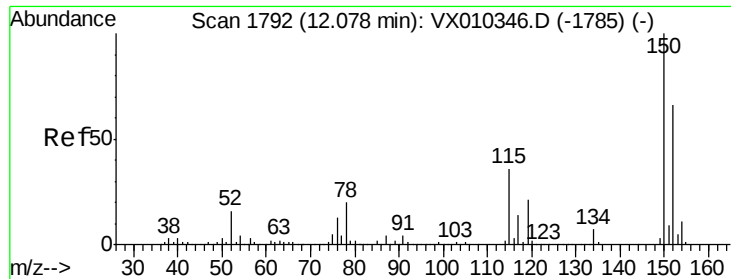
#65
Chlorobenzene
Concen: 173.170 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010672.D
Acq: 04 Jul 2019 07:05

Tgt Ion:112 Resp: 1156767
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX010672.D

Acq: 04 Jul 2019 07:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-0533-190701

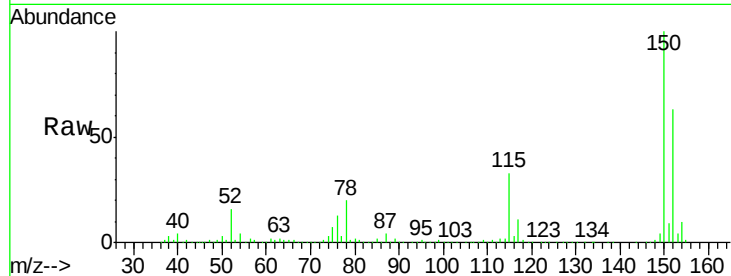
Tot Ion:152 Resp: 157970

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

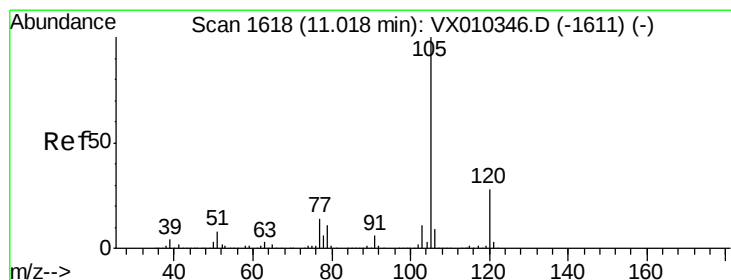
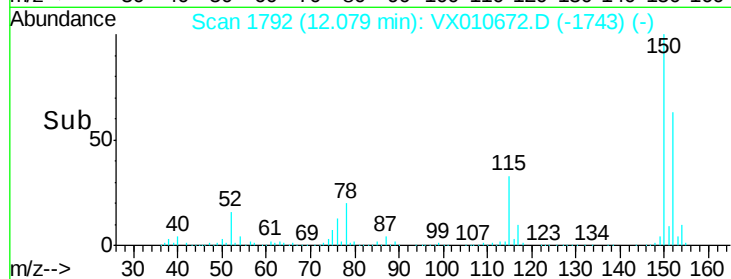
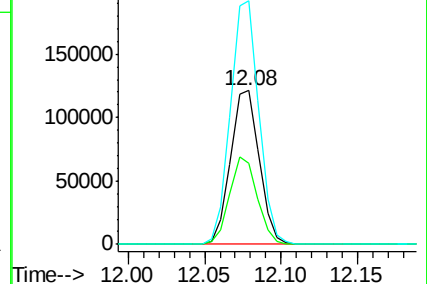
150 155.8 0.0 347.4



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



#73

Isopropylbenzene

Concen: 1.131 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010672.D

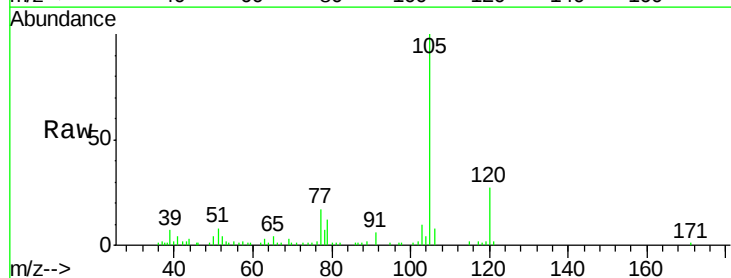
Acq: 04 Jul 2019 07:05

Tgt Ion:105 Resp: 12114

Ion Ratio Lower Upper

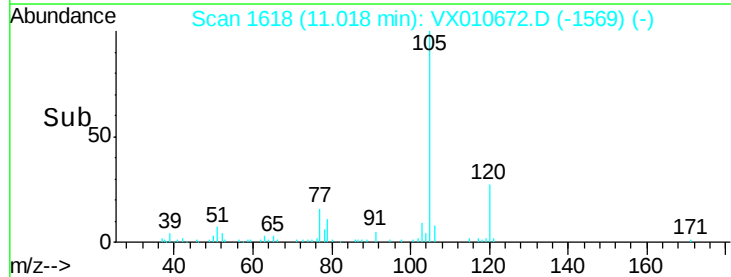
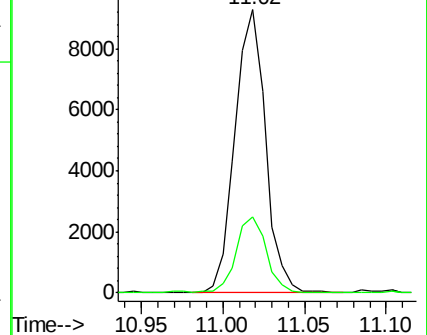
105 100

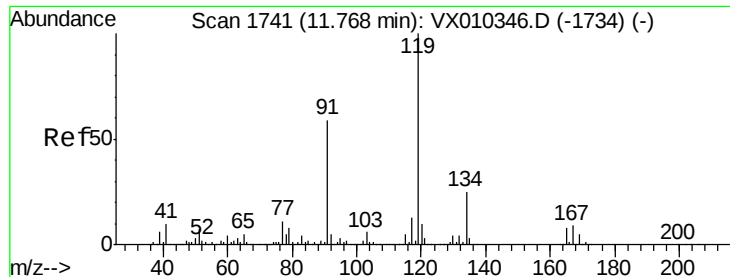
120 26.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 3.451 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010672.D

Acq: 04 Jul 2019 07:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-0533-190701

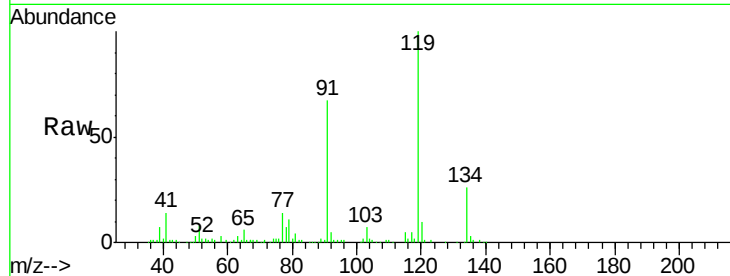
Tot Ion:119 Resp: 30575

Ion Ratio Lower Upper

119 100

91 65.7 27.6 82.7

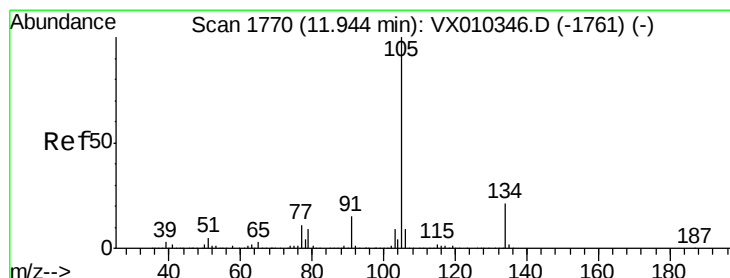
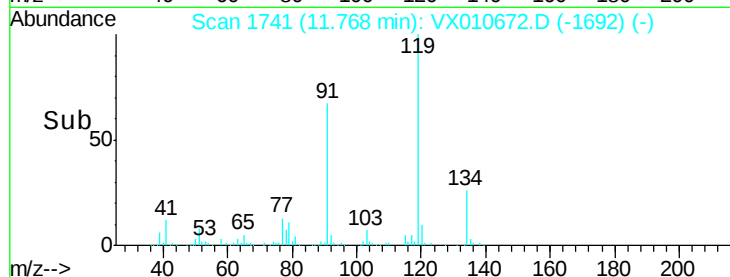
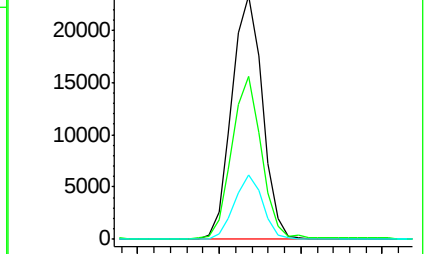
134 24.5 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 2.762 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010672.D

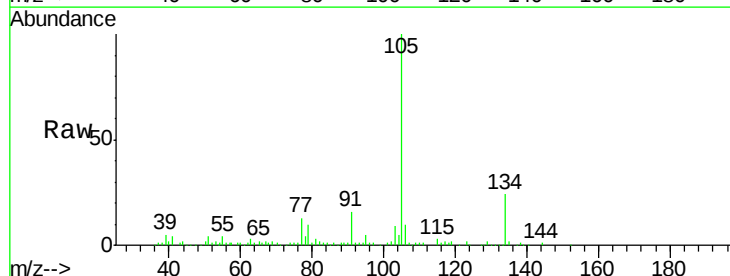
Acq: 04 Jul 2019 07:05

Tgt Ion:105 Resp: 28731

Ion Ratio Lower Upper

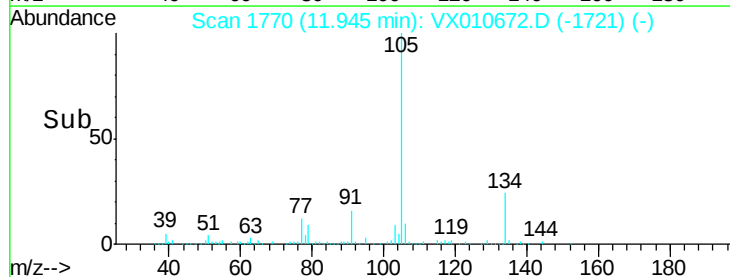
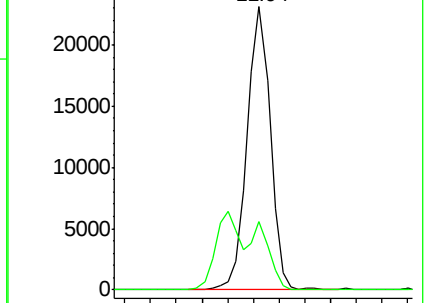
105 100

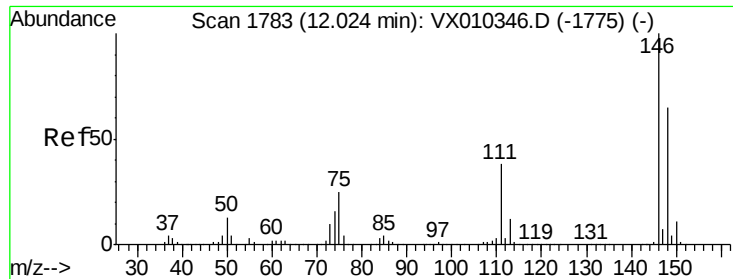
134 0.0 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#87

1,3-Dichlorobenzene

Concen: 0.311 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010672.D

Acq: 04 Jul 2019 07:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-0533-190701

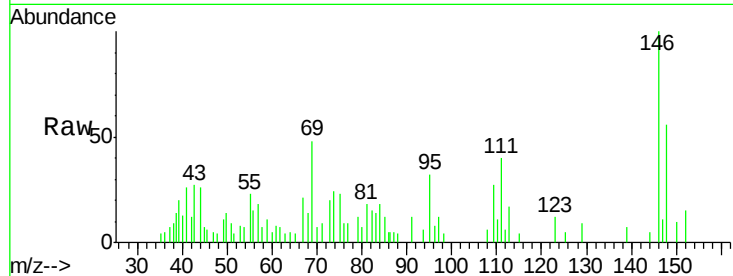
Tot Ion:146 Resp: 1621

Ion Ratio Lower Upper

146 100

111 67.9 19.1 57.1#

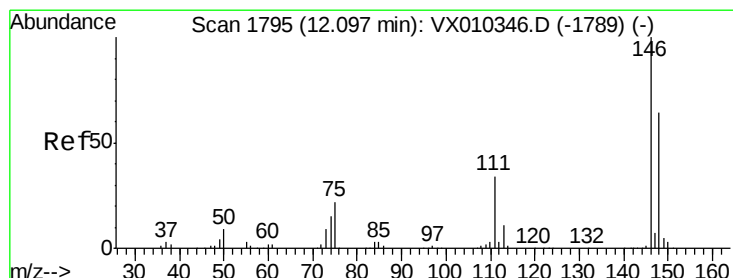
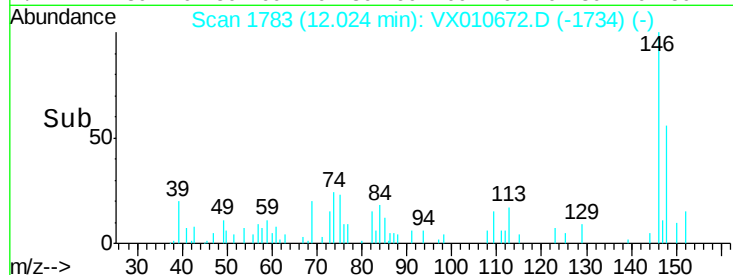
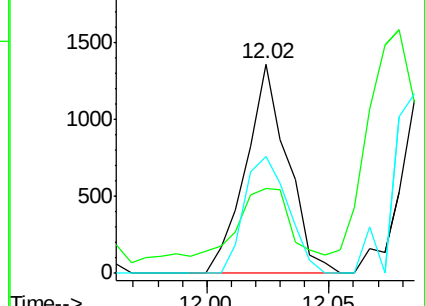
148 58.4 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.611 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010672.D

Acq: 04 Jul 2019 07:05

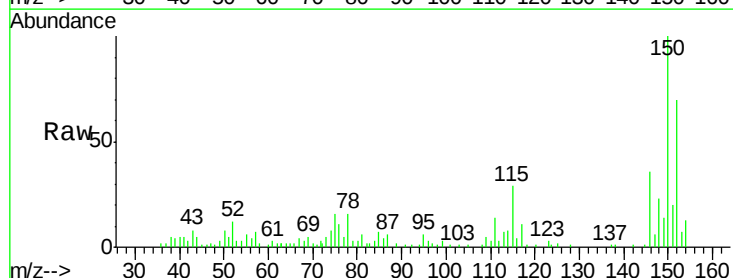
Tgt Ion:146 Resp: 3248

Ion Ratio Lower Upper

146 100

111 103.7 18.1 54.3#

148 82.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

