

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010749.D
 Acq On : 09 Jul 2019 14:37
 Operator : JC/SP
 Sample : K3669-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0533-190701

Quant Time: Jul 10 12:31:29 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	215223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338496	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149696	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	108825	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
35) Dibromofluoromethane	5.50	113	103848	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	8.71	98	406935	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.13	95	140055	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

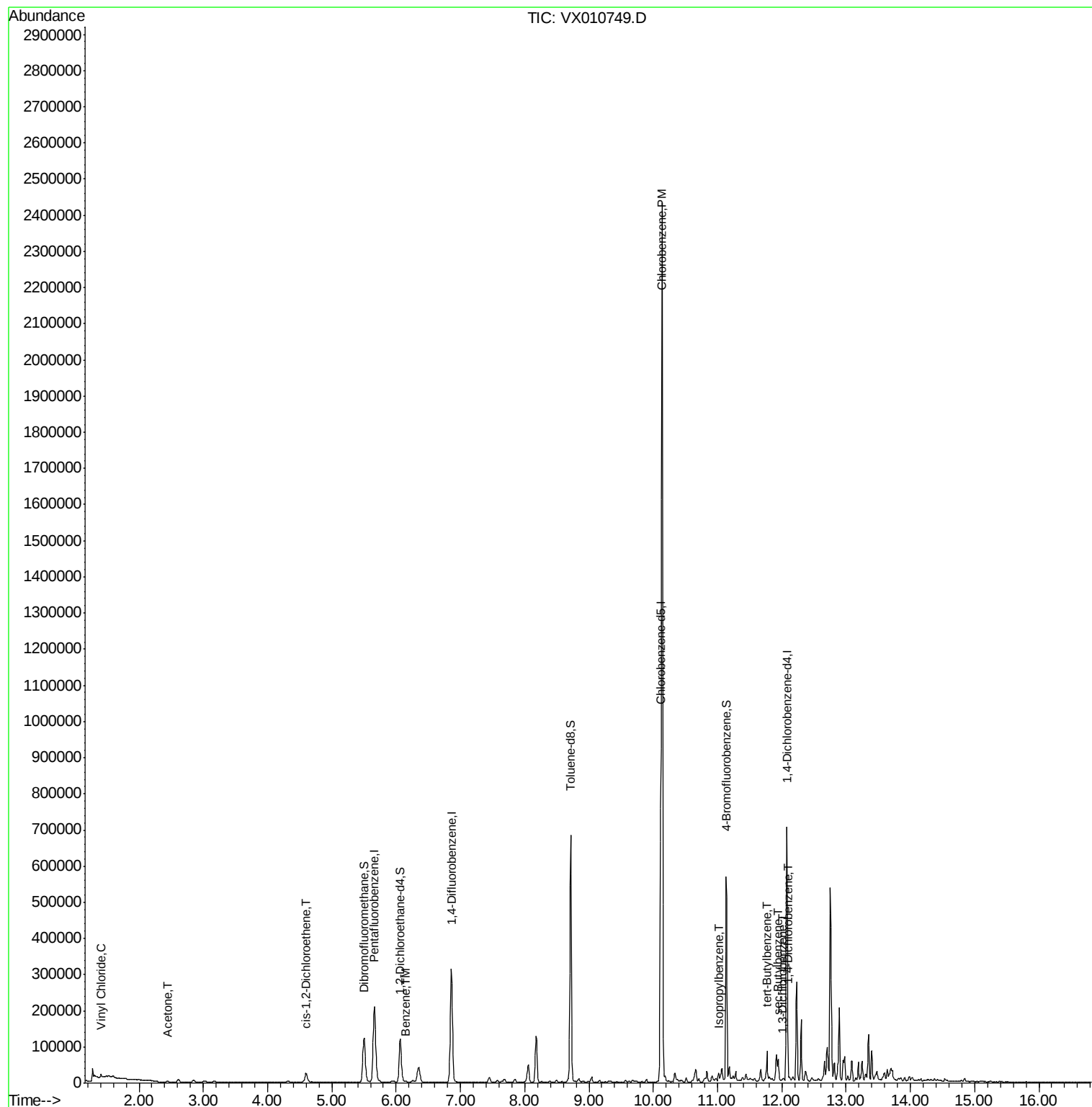
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	5770	3.023	ug/l	94
16) Acetone	2.44	43	3108	3.073	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	16603	7.161	ug/l	92
40) Benzene	6.14	78	3446	0.411	ug/l #	88
65) Chlorobenzene	10.14	112	1107886	174.769	ug/l	97
73) Isopropylbenzene	11.02	105	12045	1.187	ug/l	98
83) tert-Butylbenzene	11.77	119	29818	3.551	ug/l	91
85) sec-Butylbenzene	11.94	105	28157	2.856	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	1709	0.346	ug/l #	80
88) 1,4-Dichlorobenzene	12.10	146	3258	0.647	ug/l #	67

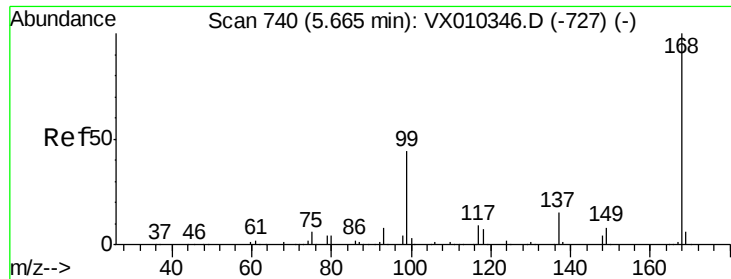
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010749.D

Acq: 09 Jul 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

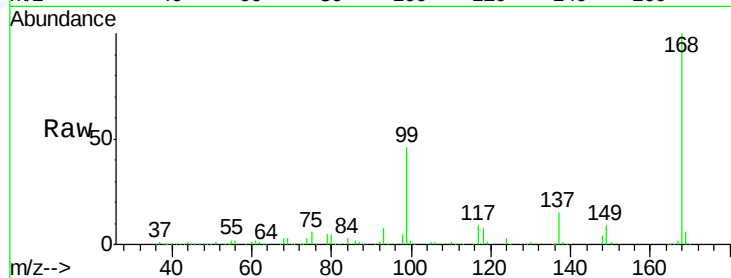
DUP-0533-190701

Tot Ion:168 Resp: 215223

Ion Ratio Lower Upper

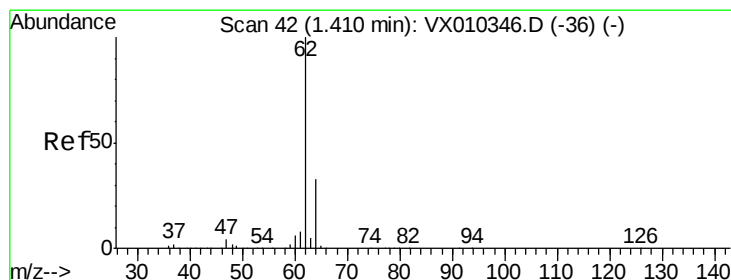
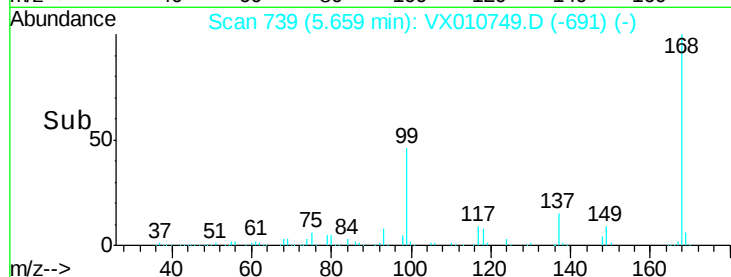
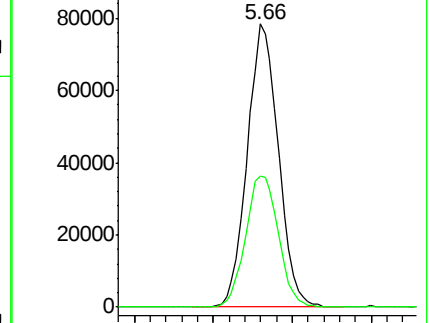
168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 3.023 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010749.D

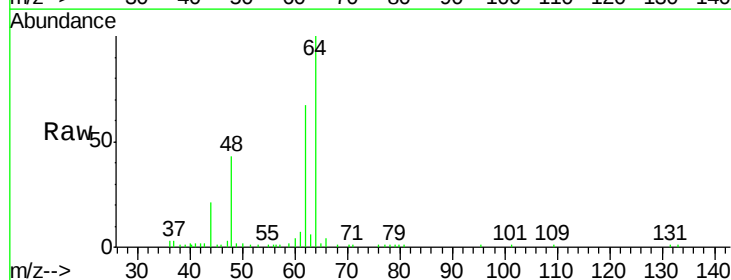
Acq: 09 Jul 2019 14:37

Tgt Ion: 62 Resp: 5770

Ion Ratio Lower Upper

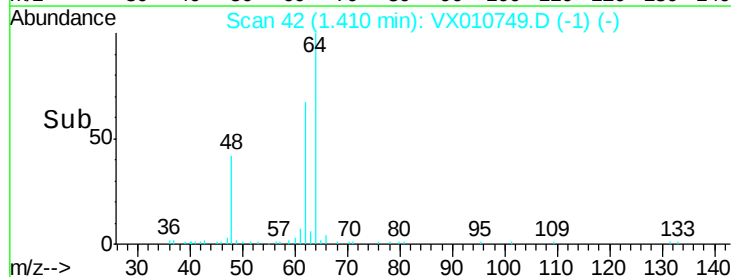
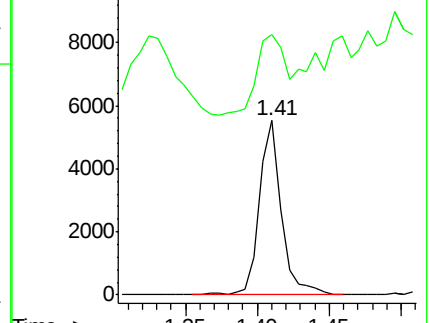
62 100

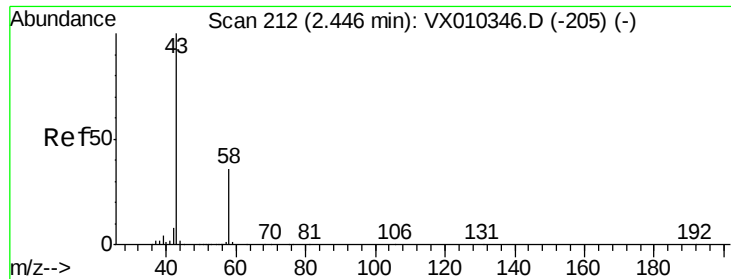
64 35.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

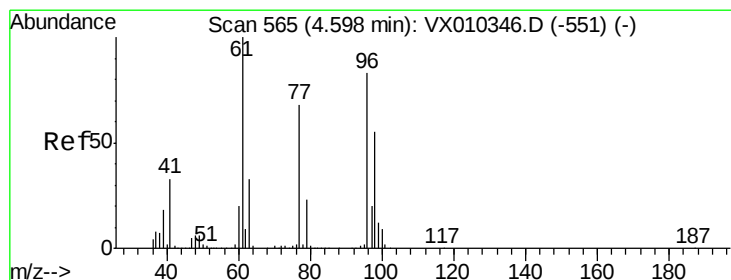
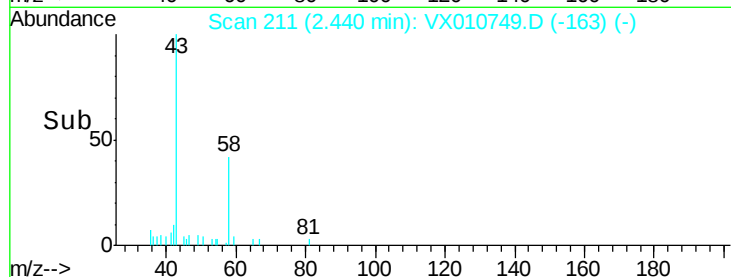
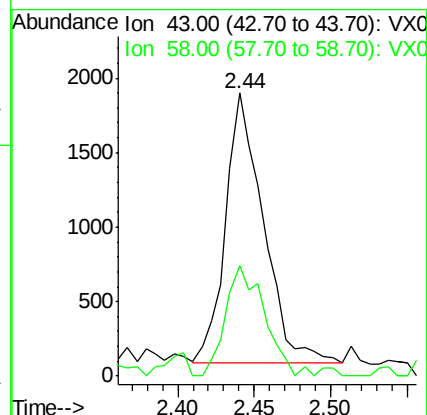
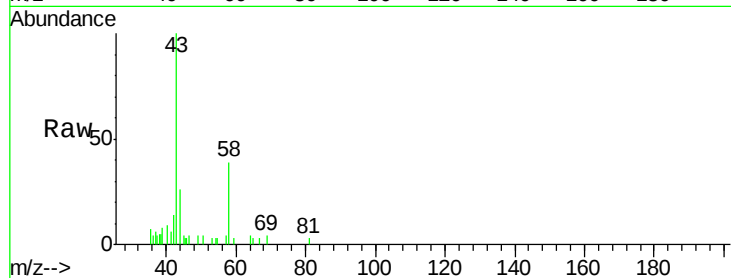




#16
Acetone
Concen: 3.073 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010749.D
Acq: 09 Jul 2019 14:37

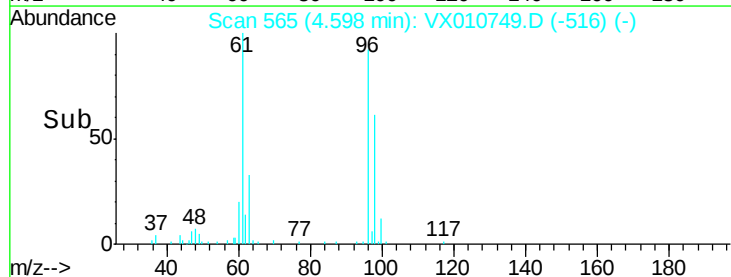
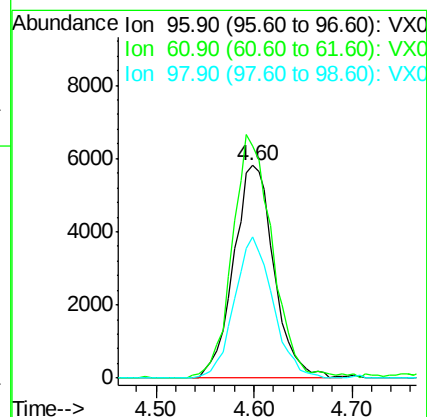
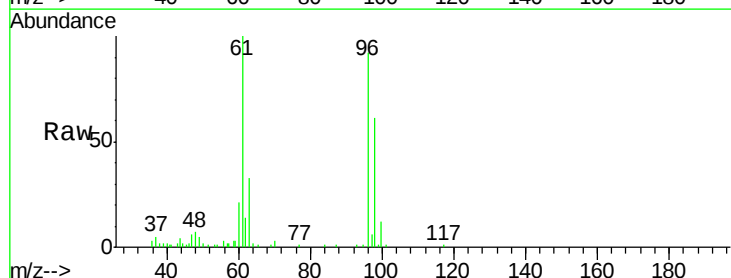
Instrument :
MSVOA_X
ClientSampleId :
DUP-0533-190701

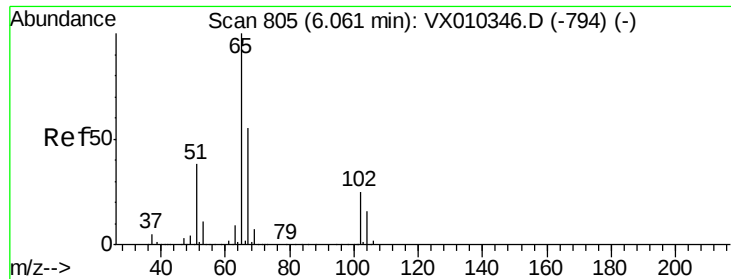
Tot Ion: 43 Resp: 3108
Ion Ratio Lower Upper
43 100
58 40.8 28.9 43.3



#27
cis-1,2-Dichloroethene
Concen: 7.161 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010749.D
Acq: 09 Jul 2019 14:37

Tgt Ion: 96 Resp: 16603
Ion Ratio Lower Upper
96 100
61 113.0 0.0 251.8
98 63.2 0.0 129.4





#33

1,2-Dichloroethane-d4

Concen: 53.929 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010749.D

Acq: 09 Jul 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

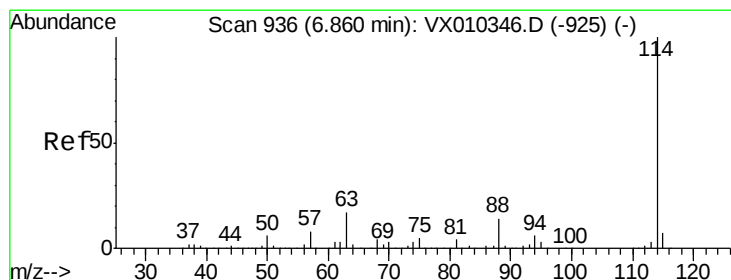
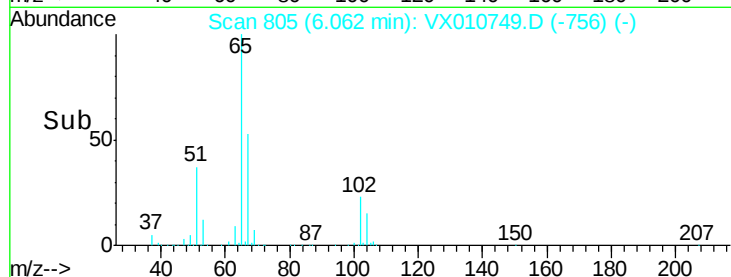
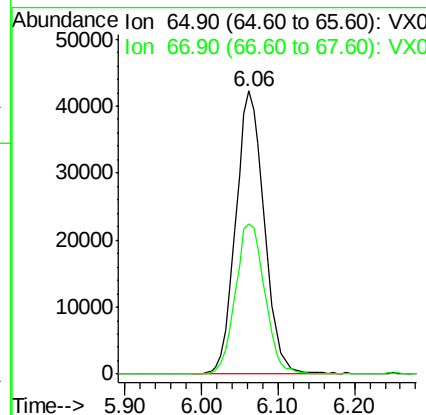
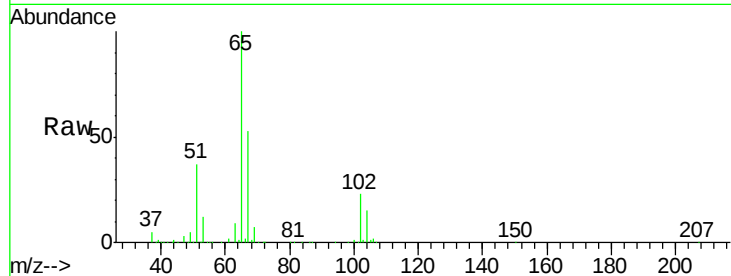
DUP-0533-190701

Tot Ion: 65 Resp: 108825

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010749.D

Acq: 09 Jul 2019 14:37

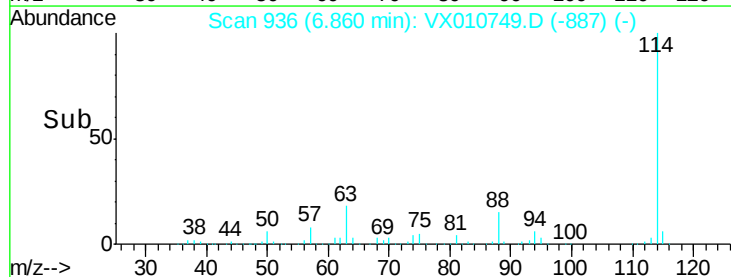
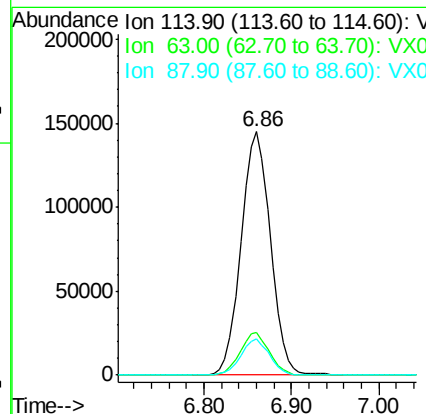
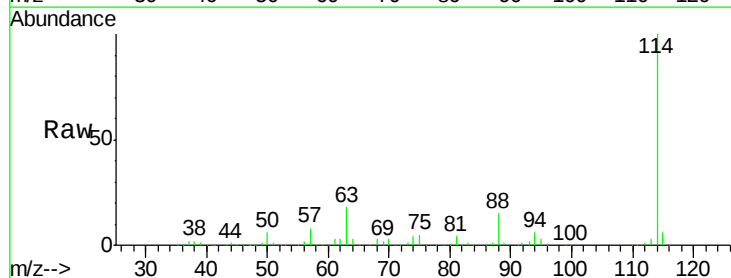
Tgt Ion: 114 Resp: 338496

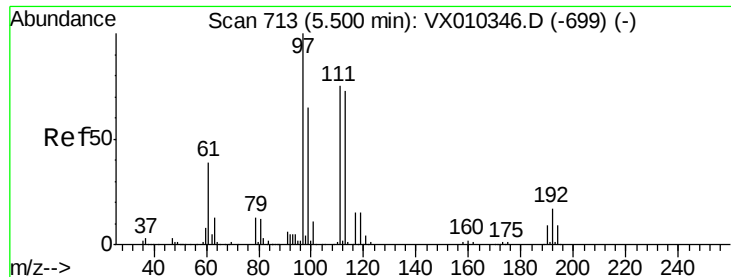
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

88 14.9 0.0 27.6

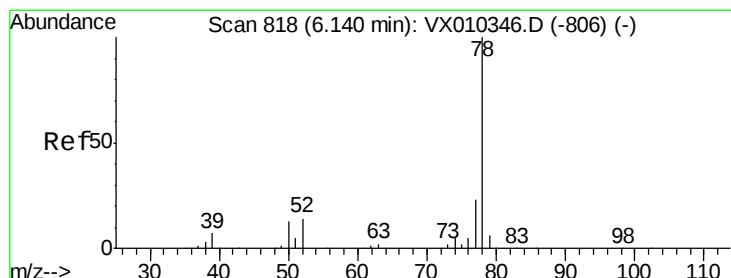
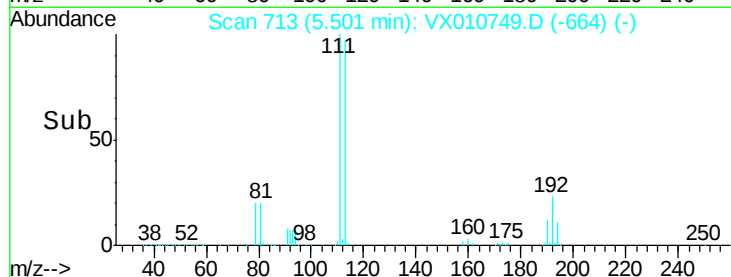
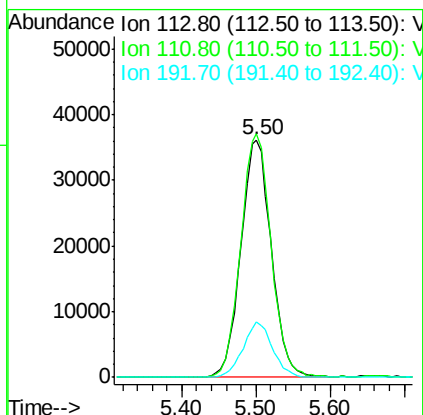
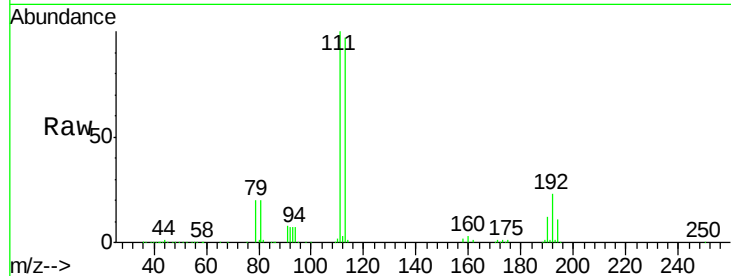




#35
 Dibromofluoromethane
 Concen: 50.143 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010749.D
 Acq: 09 Jul 2019 14:37

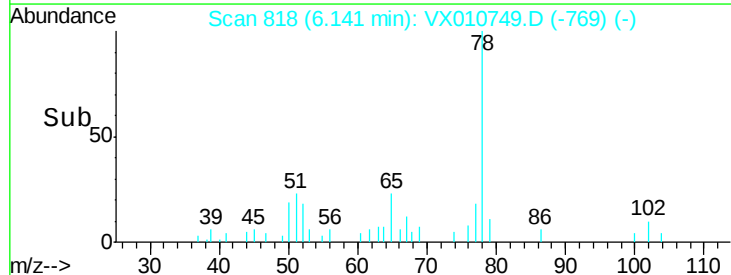
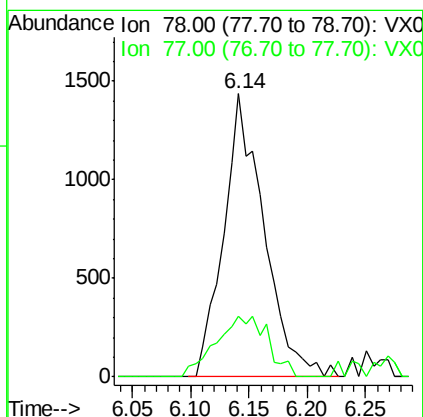
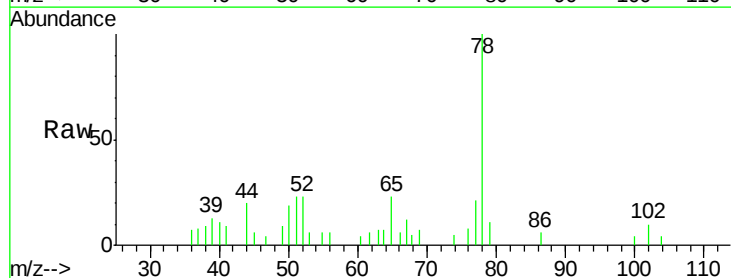
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0533-190701

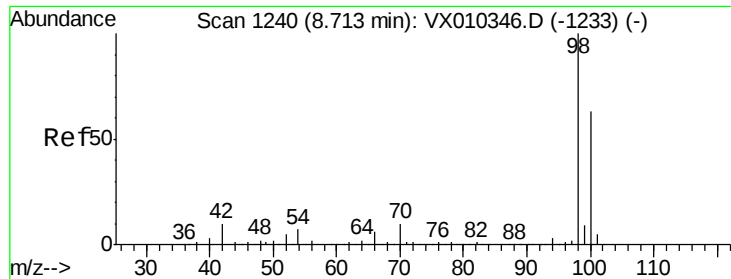
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.2	121.8
192	22.5	18.6	27.8



#40
 Benzene
 Concen: 0.411 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: VX010749.D
 Acq: 09 Jul 2019 14:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	17.5	18.6	28.0#





#50

Toluene-d8

Concen: 51.359 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010749.D

Acq: 09 Jul 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

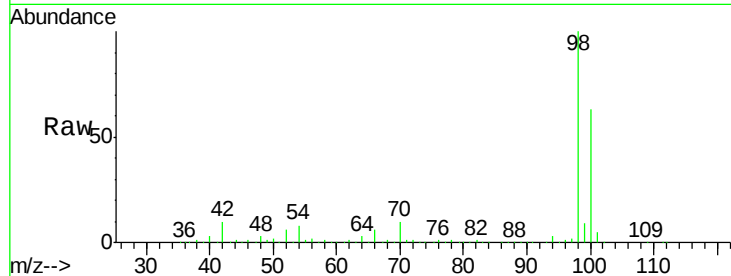
DUP-0533-190701

Tot Ion: 98 Resp: 406935

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

250000

200000

150000

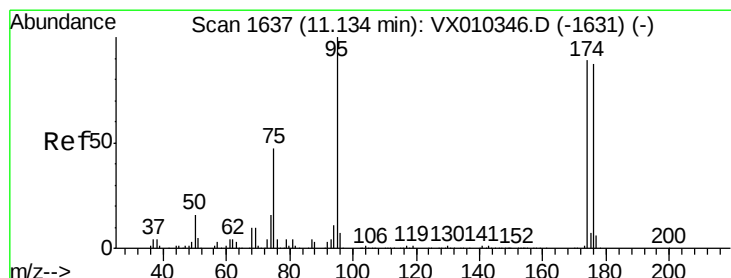
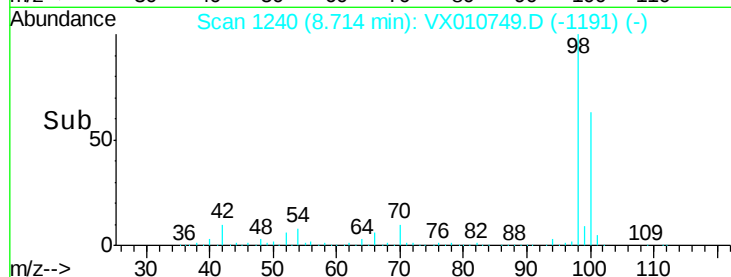
100000

50000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 48.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010749.D

Acq: 09 Jul 2019 14:37

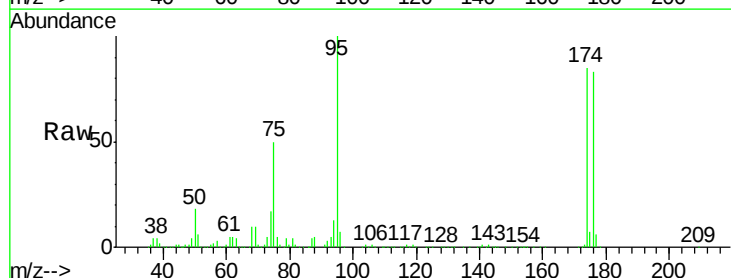
Tgt Ion: 95 Resp: 140055

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.6

176 91.2 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

150000

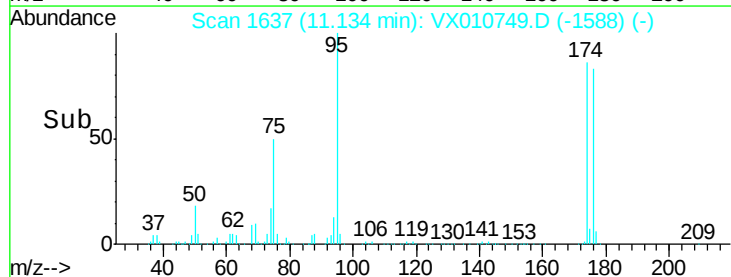
100000

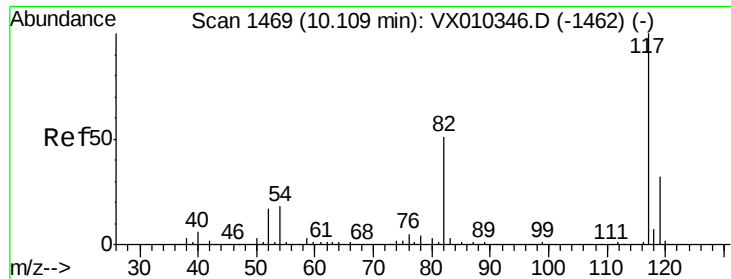
50000

0

Time-->

11.10 11.15

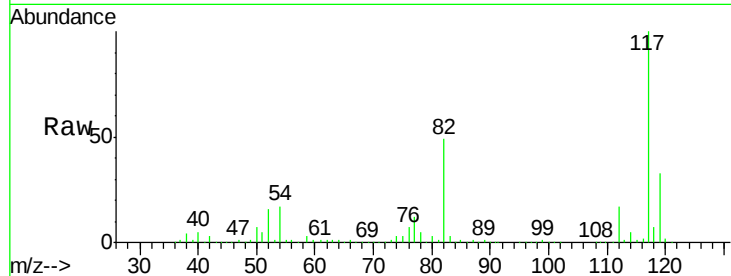




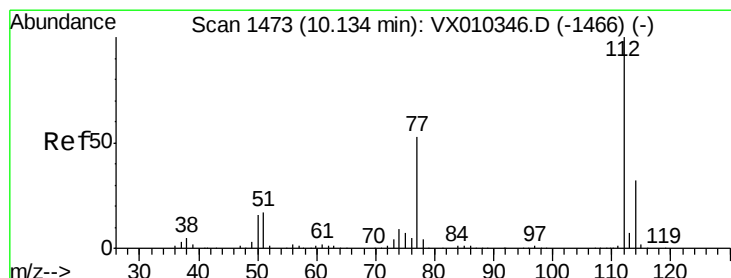
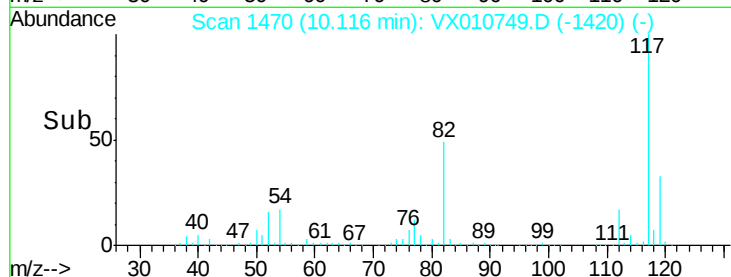
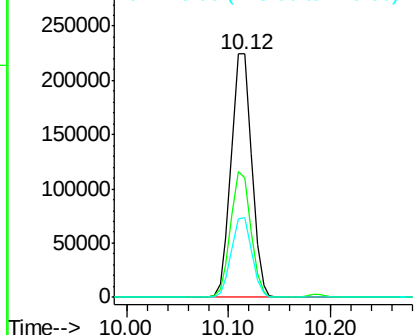
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010749.D
Acq: 09 Jul 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
DUP-0533-190701

Tot Ion:117 Resp: 312244
Ion Ratio Lower Upper
117 100
82 49.0 41.2 61.8
119 32.8 25.5 38.3

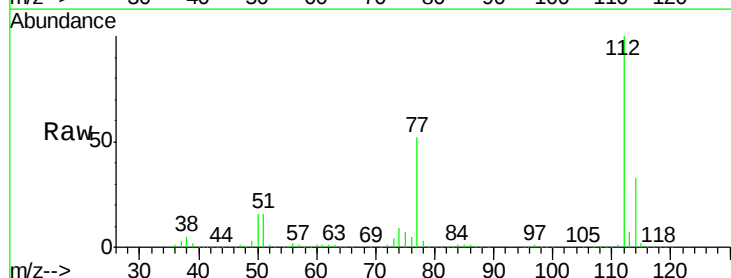


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

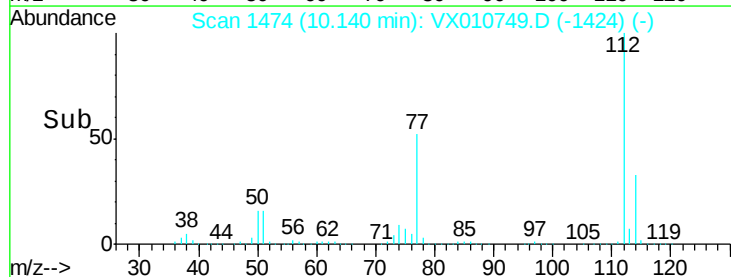
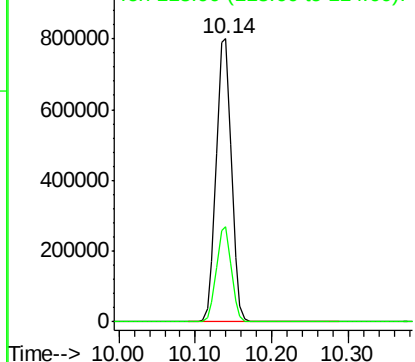


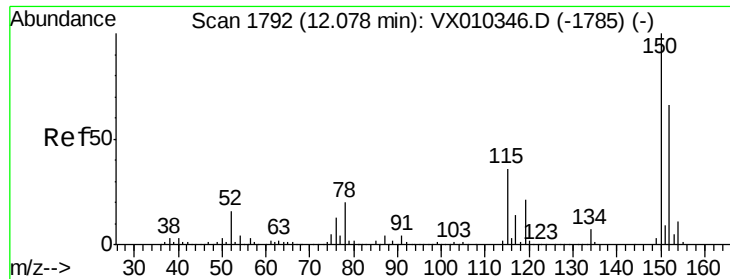
#65
Chlorobenzene
Concen: 174.769 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010749.D
Acq: 09 Jul 2019 14:37

Tgt Ion:112 Resp: 1107886
Ion Ratio Lower Upper
112 100
114 33.5 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: VX010749.D

Acq: 09 Jul 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-0533-190701

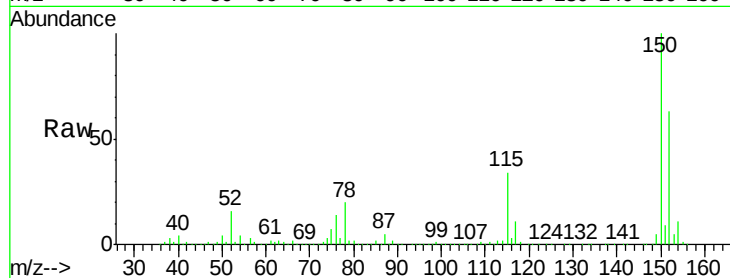
Tot Ion:152 Resp: 149696

Ion Ratio Lower Upper

152 100

115 54.9 38.6 115.7

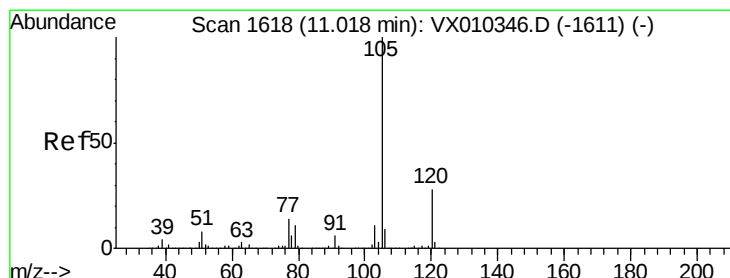
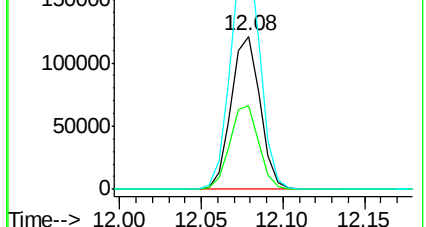
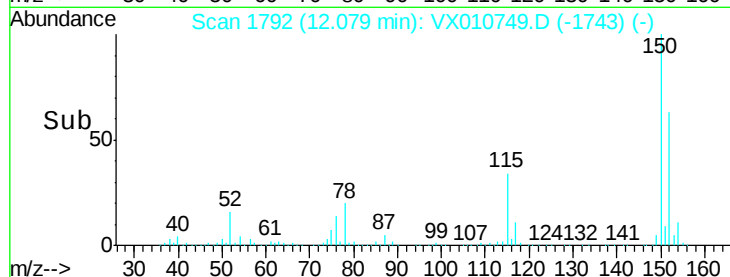
150 156.3 0.0 347.4



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: 1.187 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010749.D

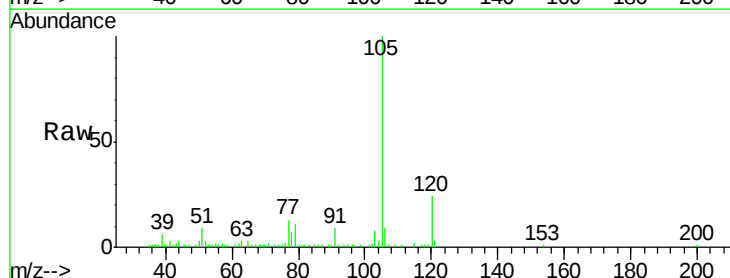
Acq: 09 Jul 2019 14:37

Tgt Ion:105 Resp: 12045

Ion Ratio Lower Upper

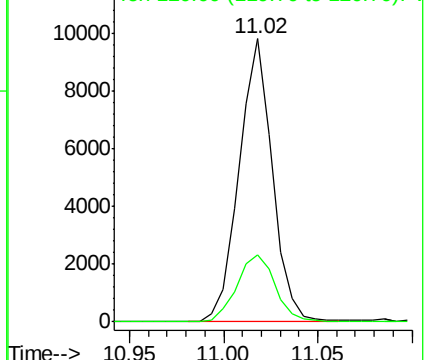
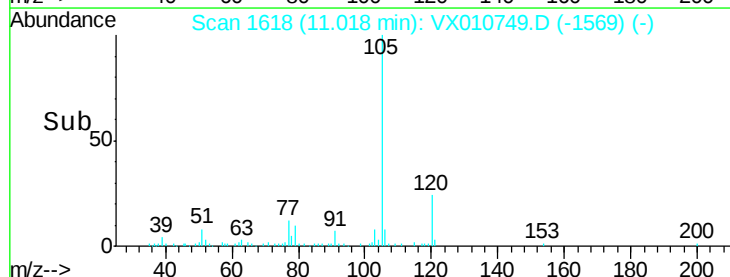
105 100

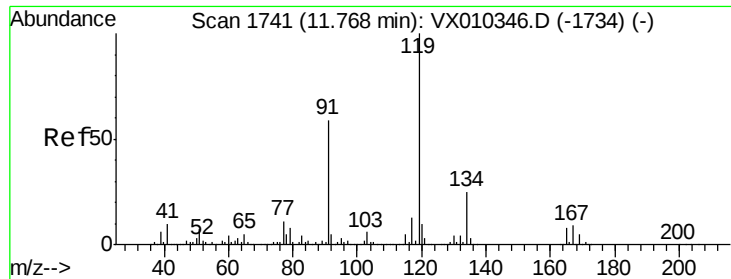
120 27.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

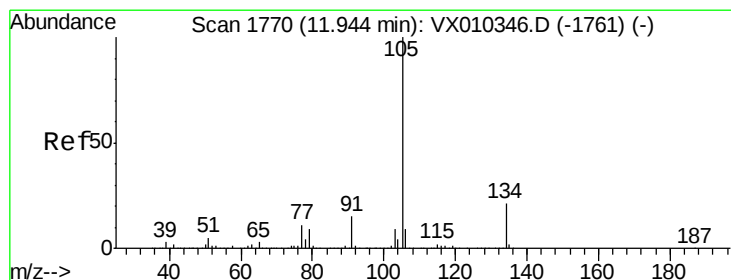
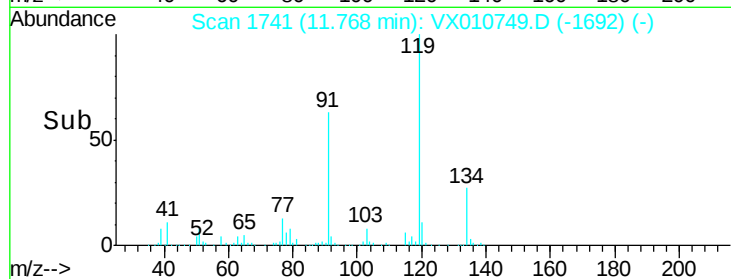
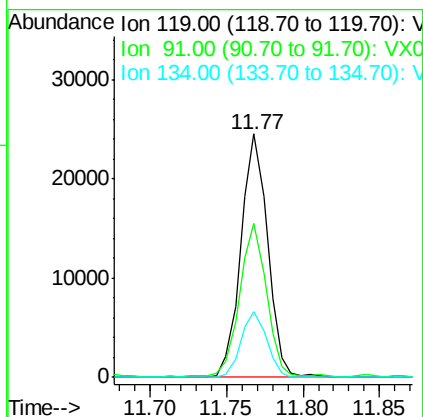
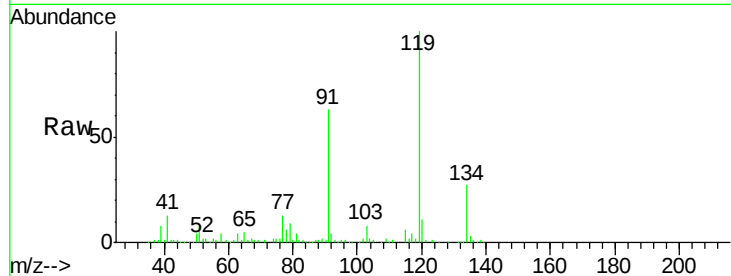




#83
tert-Butylbenzene
Concen: 3.551 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010749.D
Acq: 09 Jul 2019 14:37

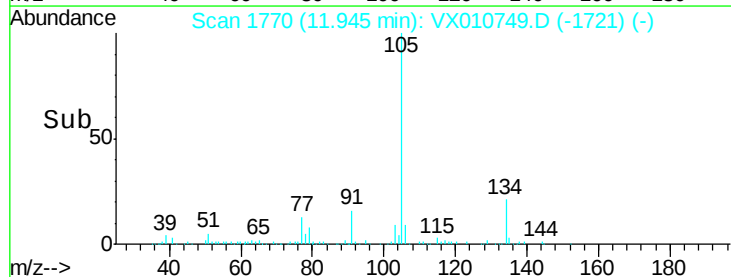
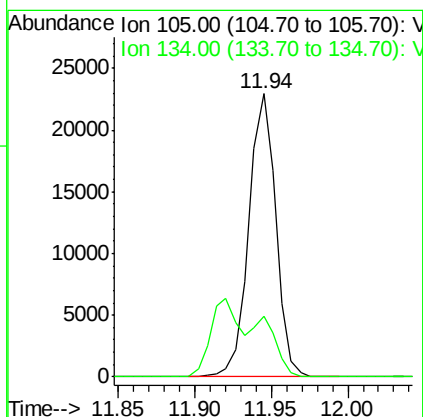
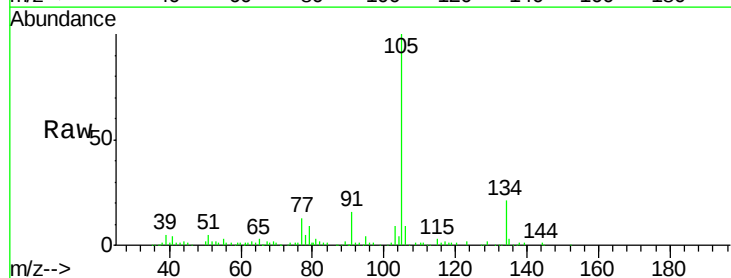
Instrument :
MSVOA_X
ClientSampleId :
DUP-0533-190701

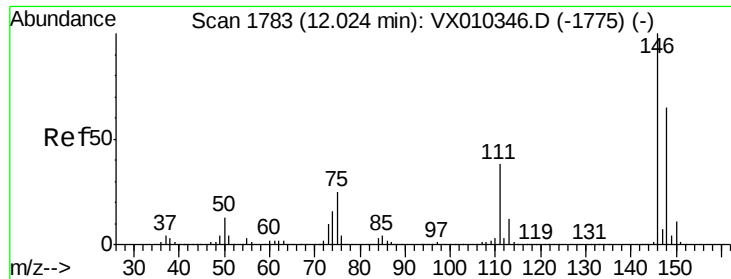
Tot Ion:119 Resp: 29818
Ion Ratio Lower Upper
119 100
91 62.8 27.6 82.7
134 25.9 11.8 35.4



#85
sec-Butylbenzene
Concen: 2.856 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010749.D
Acq: 09 Jul 2019 14:37

Tgt Ion:105 Resp: 28157
Ion Ratio Lower Upper
105 100
134 0.0 10.7 31.9#





#87

1,3-Dichlorobenzene

Concen: 0.346 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010749.D

Acq: 09 Jul 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-0533-190701

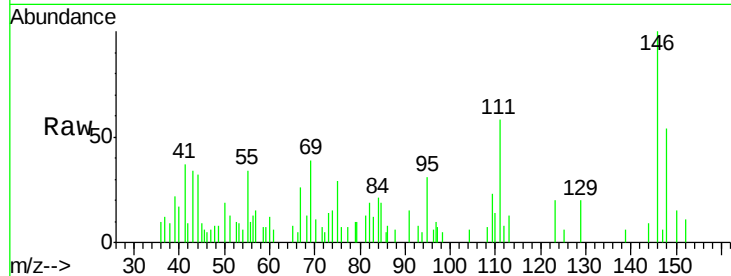
Tot Ion:146 Resp: 1709

Ion Ratio Lower Upper

146 100

111 70.1 19.1 57.1#

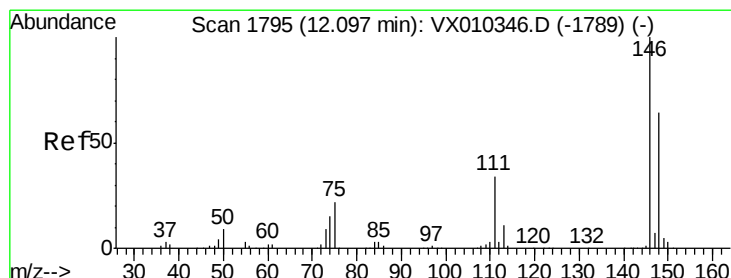
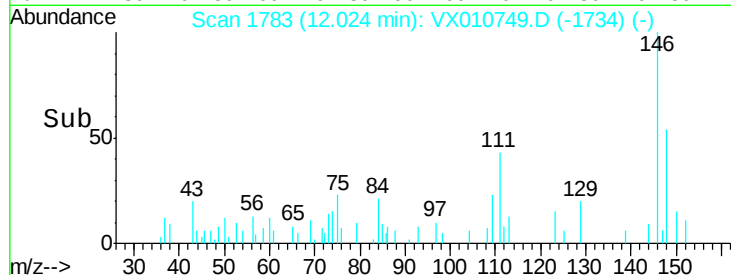
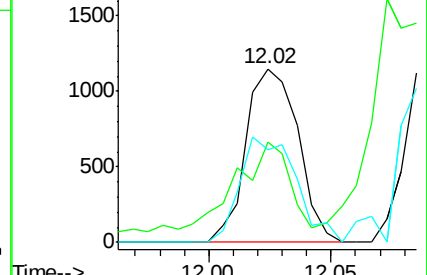
148 65.1 32.5 97.4



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: 0.647 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010749.D

Acq: 09 Jul 2019 14:37

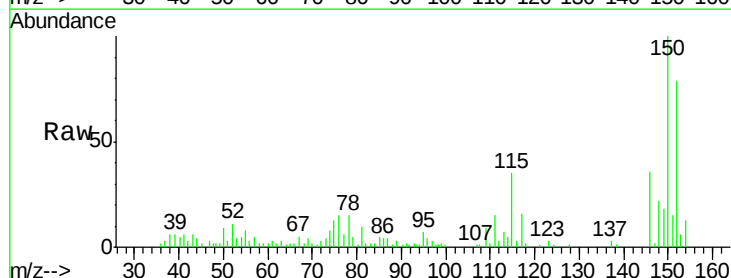
Tgt Ion:146 Resp: 3258

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.3#

148 77.4 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

