

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013773.D
 Acq On : 05 Dec 2019 13:50
 Operator : JC/SP
 Sample : K6174-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMP

Manual Integrations
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 12/6/2019 9:36:13 AM

Quant Time: Dec 06 02:56:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	676638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1016104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	922248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	449135	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	359578	45.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.56%	
35) Dibromofluoromethane	5.49	113	304091	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
50) Toluene-d8	8.71	98	1235386	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.14	95	438982	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.03	59	11781	6.077	ug/l #	74
16) Acetone	2.43	43	149470	38.546	ug/l	98
17) Carbon Disulfide	2.56	76	9153	0.499	ug/l #	89
25) 2-Butanone	4.67	43	48246	8.372	ug/l	98
31) Cyclohexane	5.58	56	2344830	202.104	ug/l	98
39) Methylcyclohexane	7.46	83	3162001	277.336	ug/l	98
40) Benzene	6.14	78	147729	5.259	ug/l	94
52) Toluene	8.78	92	26251	1.504	ug/l	96
67) Ethyl Benzene	10.25	91	700991	21.305	ug/l	97
68) m/p-Xylenes	10.36	106	47998	3.810	ug/l	94
69) o-Xylene	10.70	106	7562	0.615	ug/l	86
73) Isopropylbenzene	11.01	105	1767209	56.093	ug/l	100
78) n-propylbenzene	11.35	91	2139182	60.825	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	65448	2.535	ug/l	98
83) tert-Butylbenzene	11.76	119	45300	1.726	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	54050	2.062	ug/l	99
85) sec-Butylbenzene	11.94	105	439349	14.658	ug/l	80
86) p-Isopropyltoluene	12.06	119	278614	9.992	ug/l	98
89) n-Butylbenzene	12.39	91	328734m	13.822	ug/l	
95) Naphthalene	13.83	128	1958902	64.386	ug/l	98

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

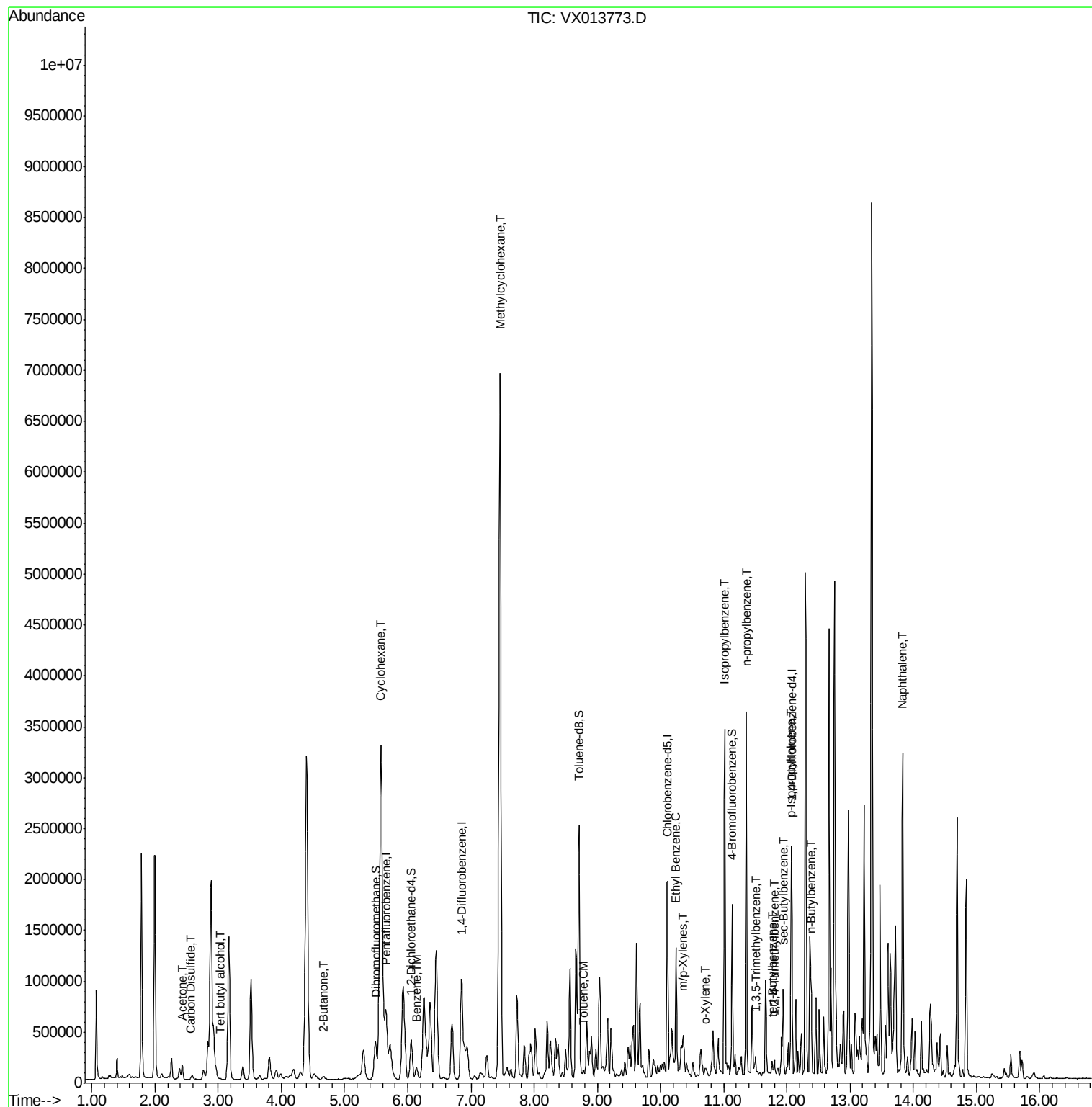
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120519\
Data File : VX013773.D
Acq On : 05 Dec 2019 13:50
Operator : JC/SP
Sample : K6174-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

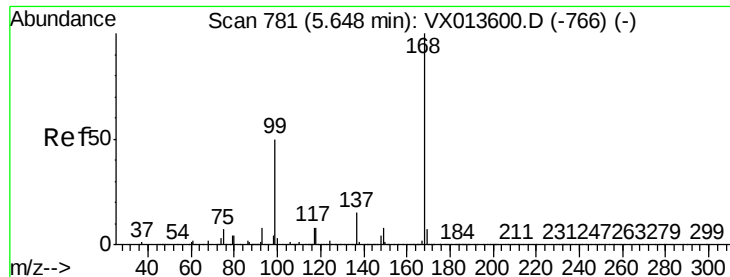
Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

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Quant Time: Dec 06 02:56:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

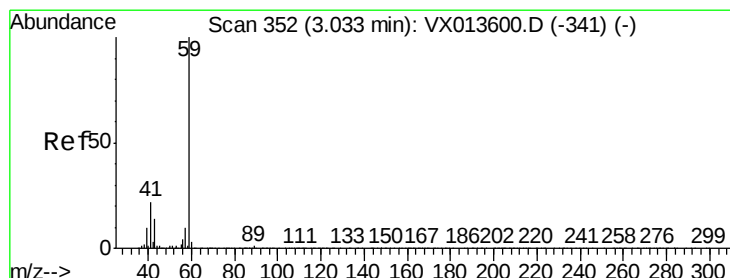
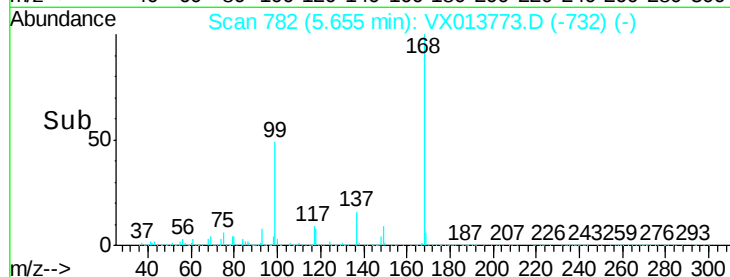
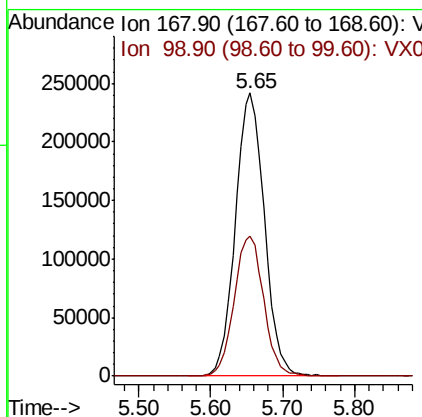
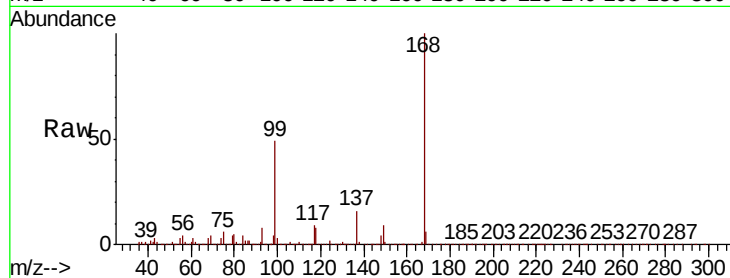
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013773.D
 Acq: 05 Dec 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMP

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.8	59.8

Manual Integrations
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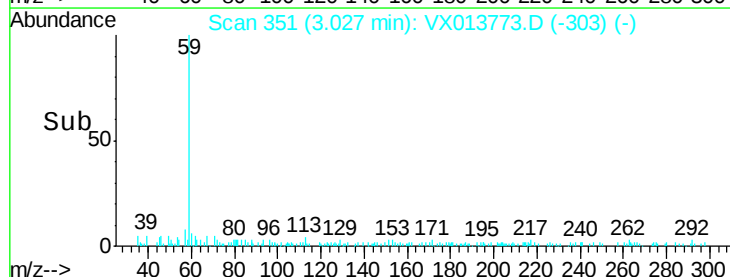
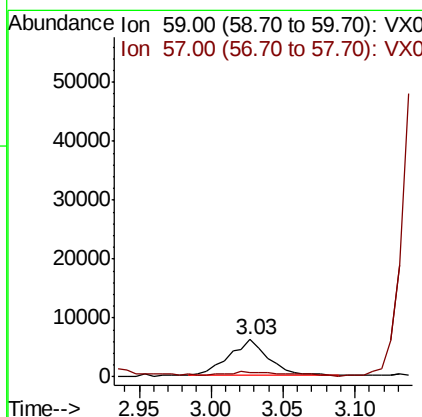
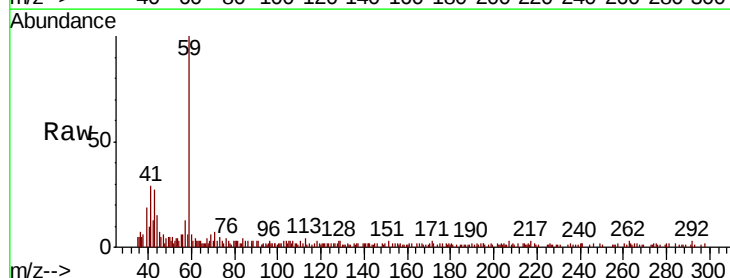
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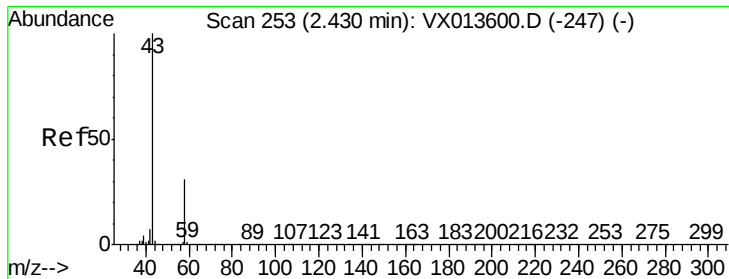


#11

Tert butyl alcohol
 Concen: 6.077 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013773.D
 Acq: 05 Dec 2019 13:50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#





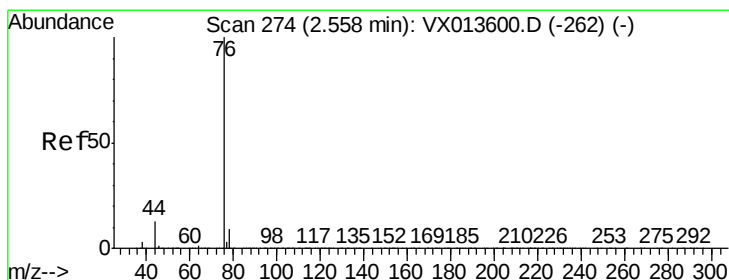
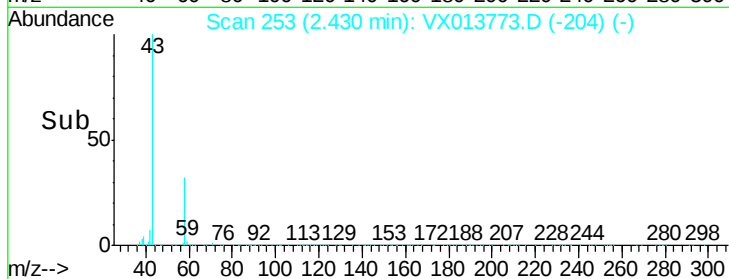
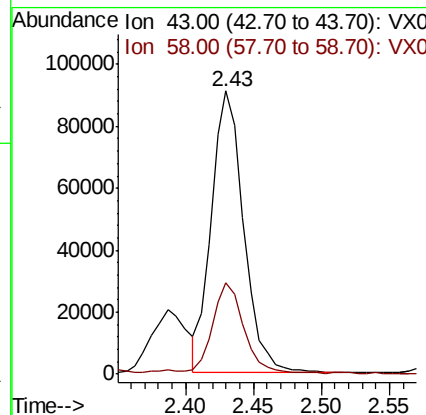
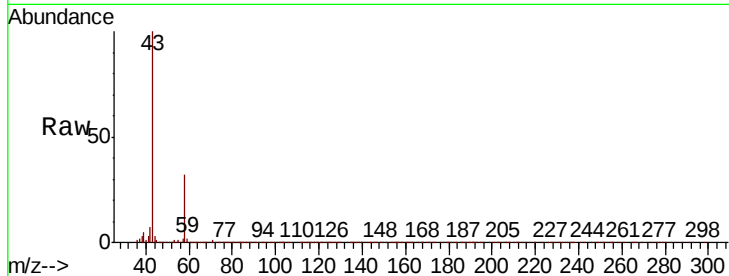
#16
Acetone
Concen: 38.546 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.6	36.8

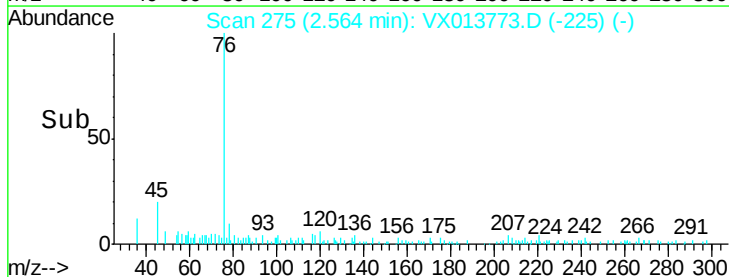
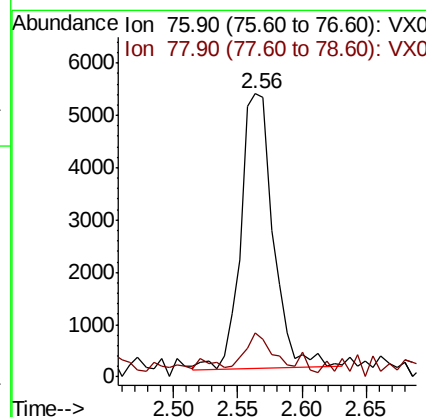
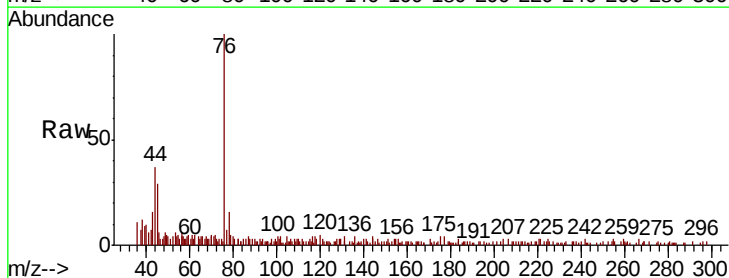
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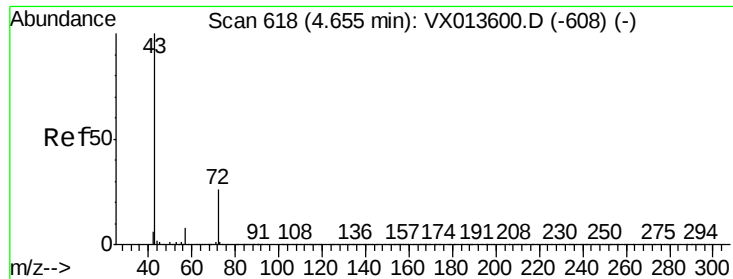
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#17
Carbon Disulfide
Concen: 0.499 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Tgt Ion	Ratio	Lower	Upper
76	100		
78	12.9	7.2	10.8#





#25

2-Butanone

Concen: 8.372 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

Tot Ion: 43 Resp: 48246

Ion Ratio Lower Upper

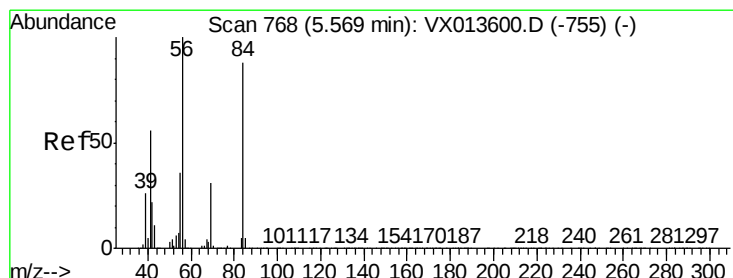
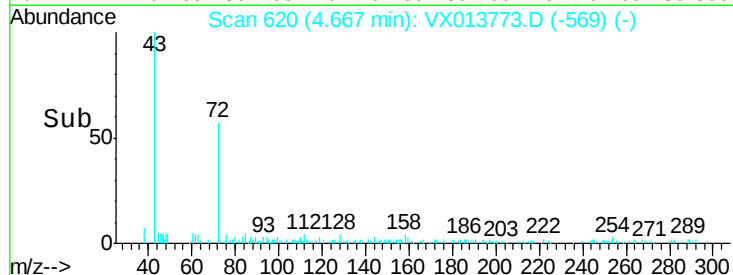
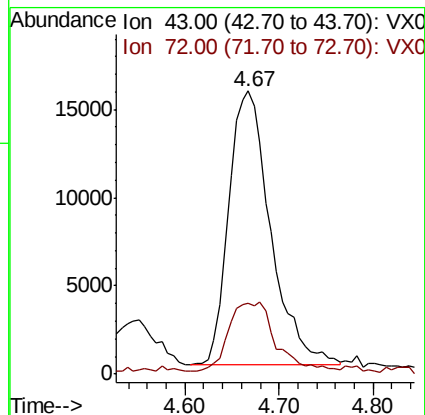
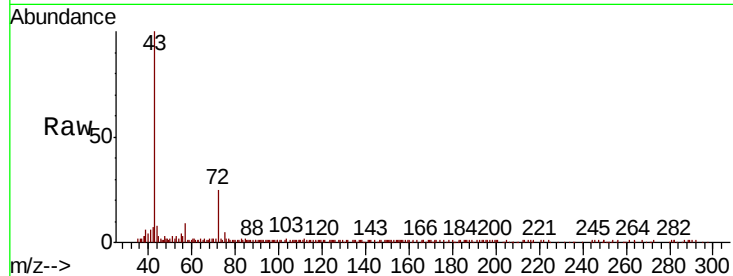
43 100

72 25.0 20.6 31.0

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#31

Cyclohexane

Concen: 202.104 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

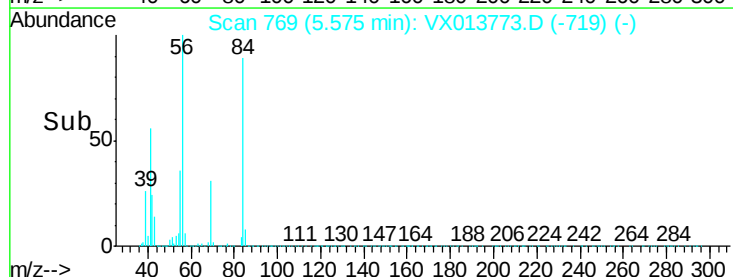
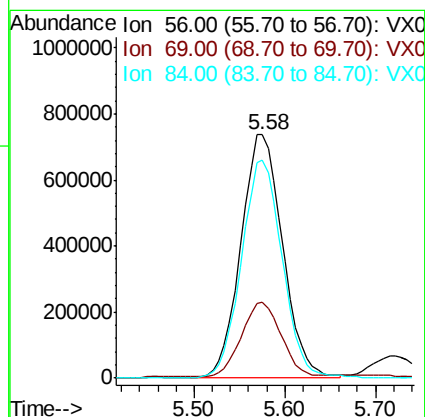
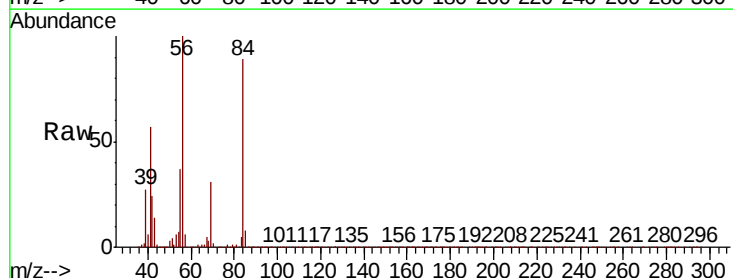
Tgt Ion: 56 Resp: 2344830

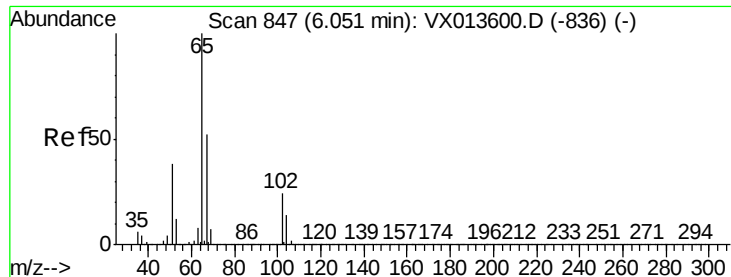
Ion Ratio Lower Upper

56 100

69 30.5 24.6 36.8

84 89.4 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 45.781 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

Tot Ion: 65 Resp: 359578

Ion Ratio Lower Upper

65 100

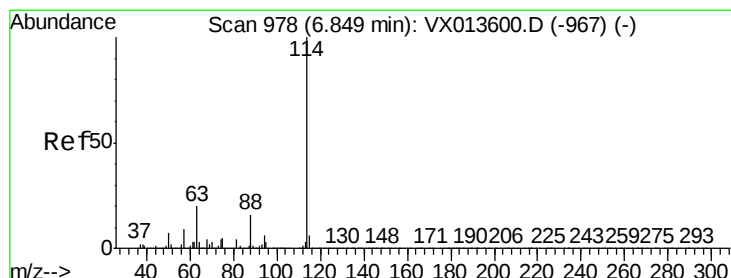
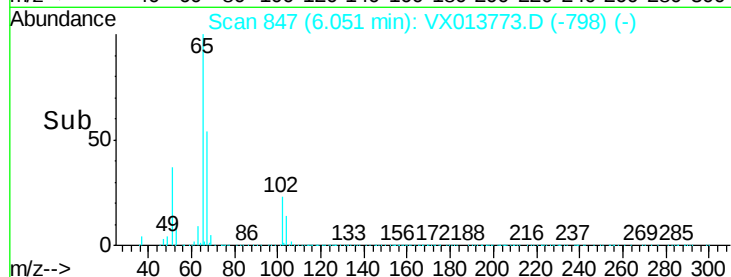
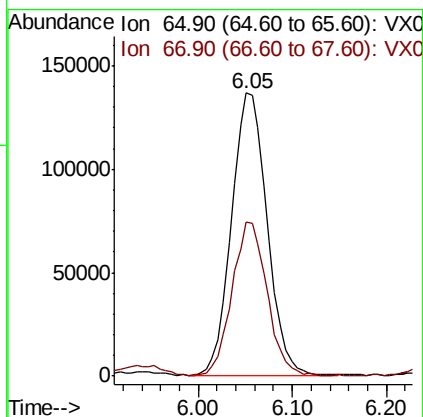
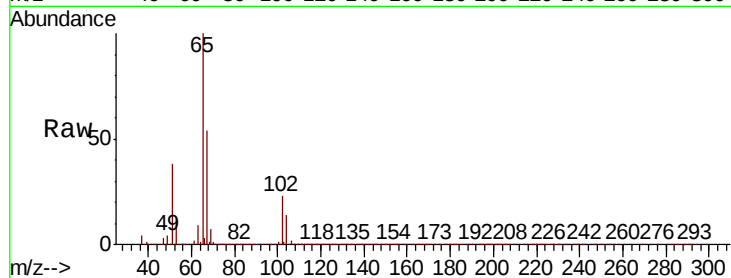
67 53.1 0.0 104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

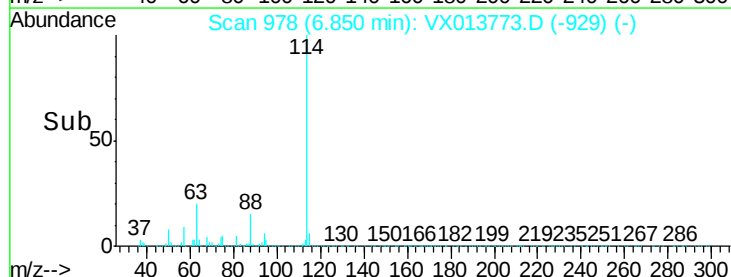
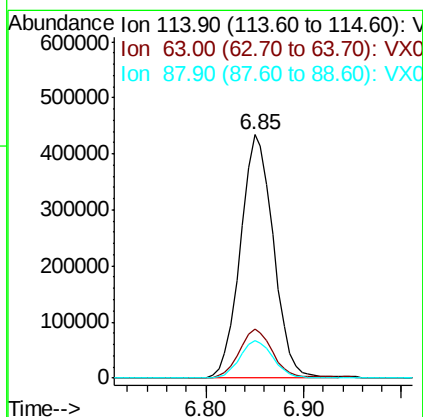
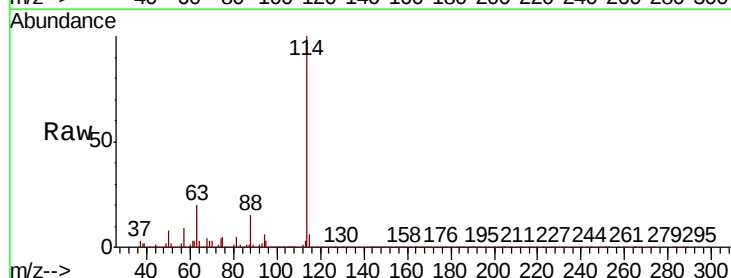
Tgt Ion: 114 Resp: 1016104

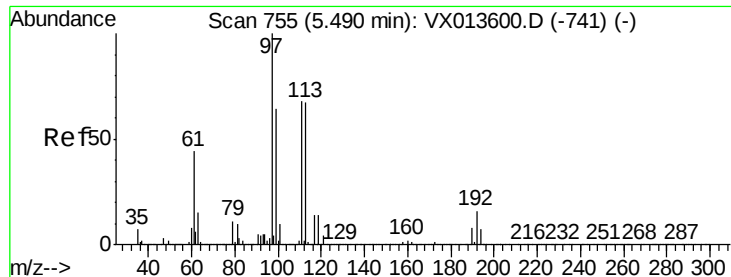
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.2 0.0 31.4





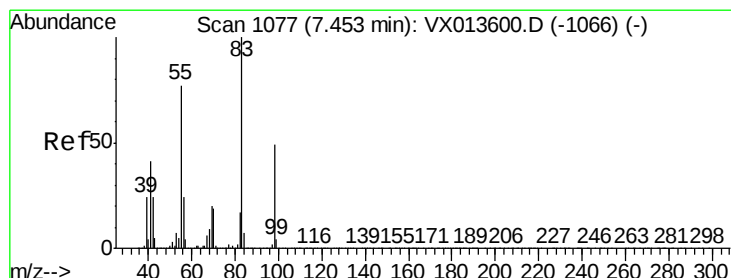
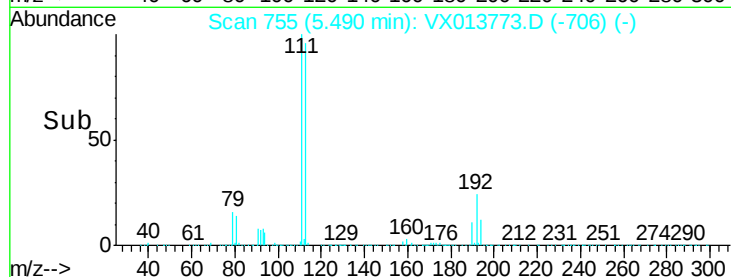
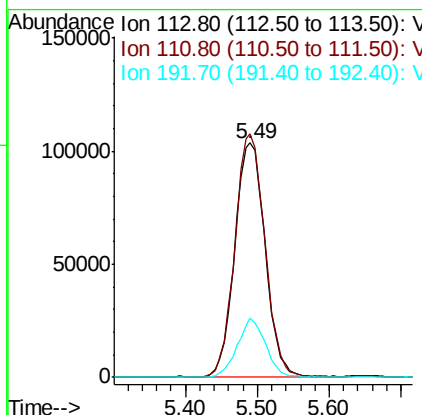
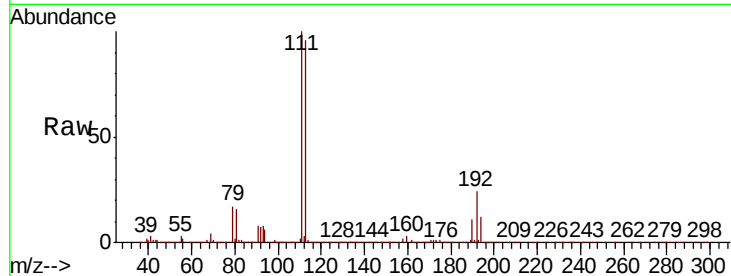
#35
 Dibromofluoromethane
 Concen: 48.409 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013773.D
 Acq: 05 Dec 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-COMP

Tot Ion	Ratio	Resp	Lower	Upper
113	100	304091		
111	102.6	83.6	125.4	
192	23.5	19.2	28.8	

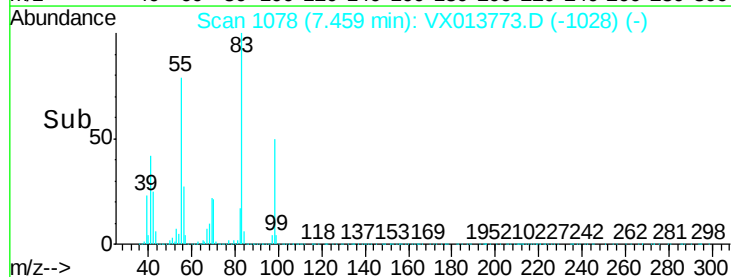
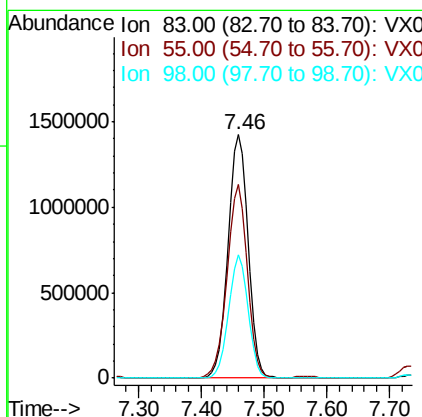
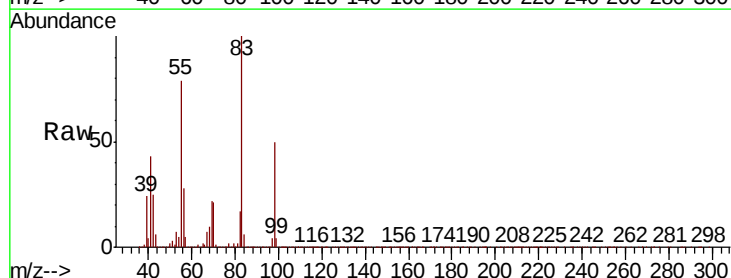
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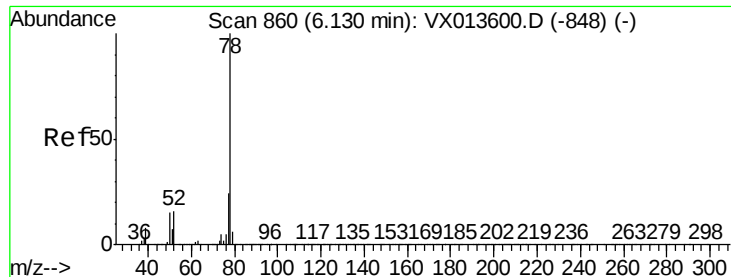
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#39
 Methylcyclohexane
 Concen: 277.336 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VX013773.D
 Acq: 05 Dec 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	3162001		
55	79.2	61.9	92.9	
98	50.5	39.4	59.0	





#40

Benzene

Concen: 5.259 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

Tot Ion: 78 Resp: 147729

Ion Ratio Lower Upper

78 100

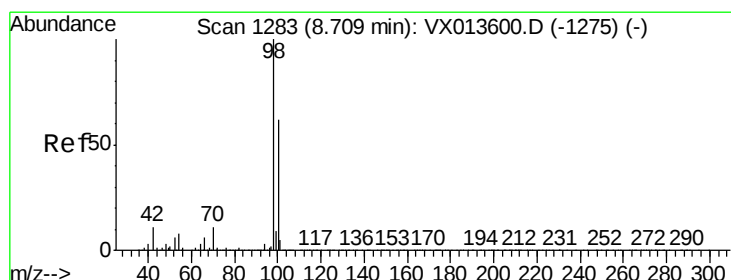
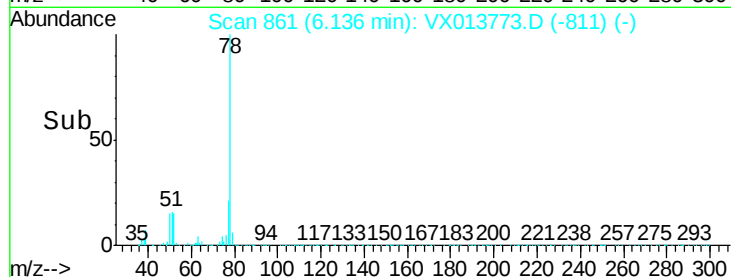
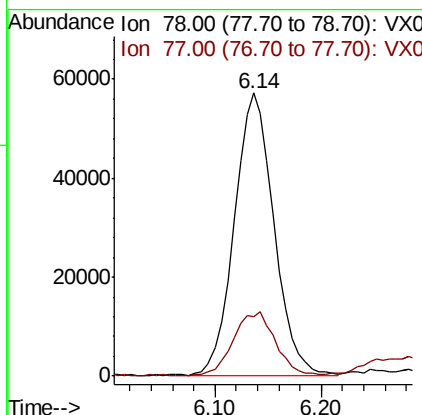
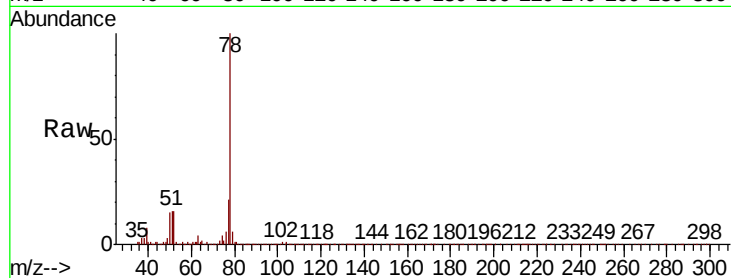
77 20.9 19.0 28.4

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#50

Toluene-d8

Concen: 50.477 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013773.D

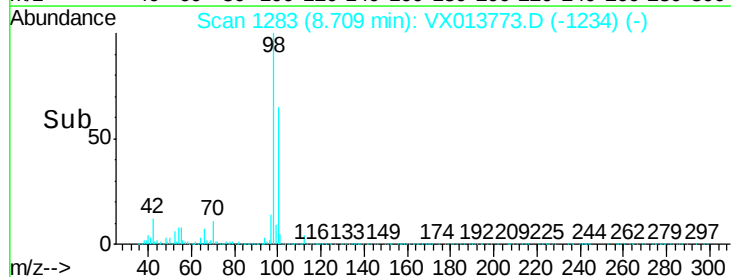
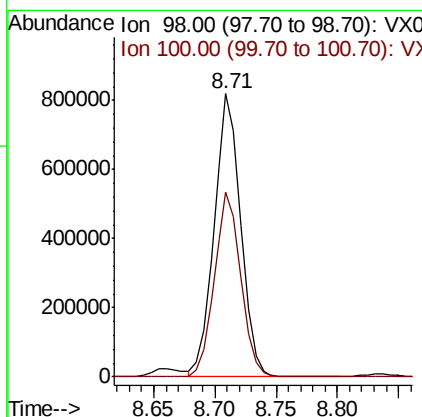
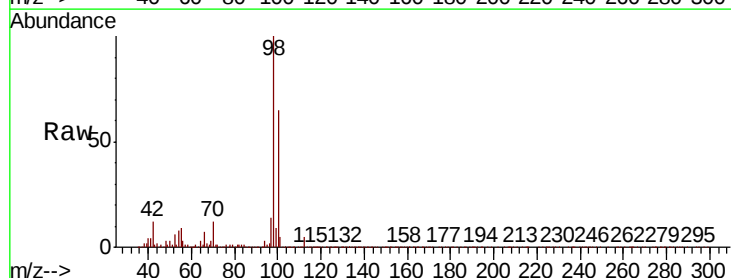
Acq: 05 Dec 2019 13:50

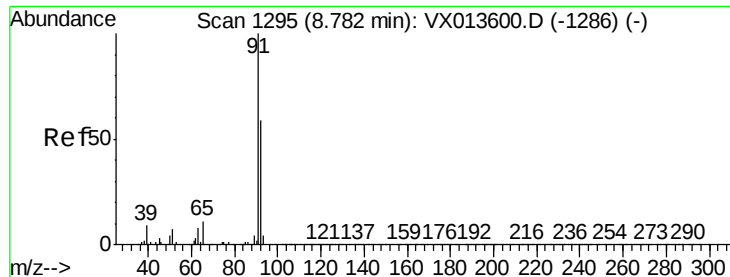
Tgt Ion: 98 Resp: 1235386

Ion Ratio Lower Upper

98 100

100 64.8 53.1 79.7





#52

Toluene

Concen: 1.504 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

Tot Ion: 92 Resp: 26251

Ion Ratio Lower Upper

92 100

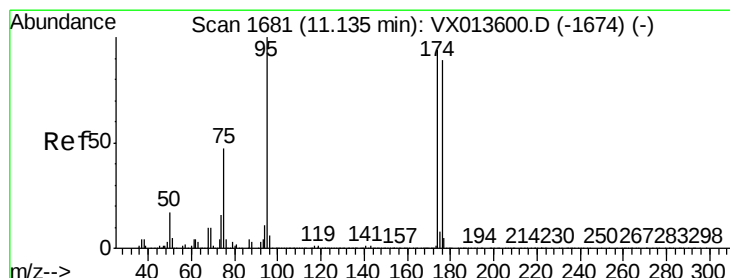
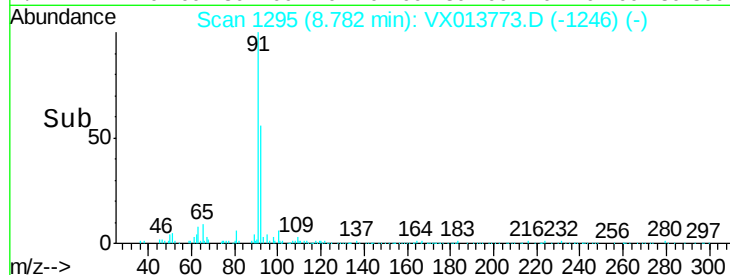
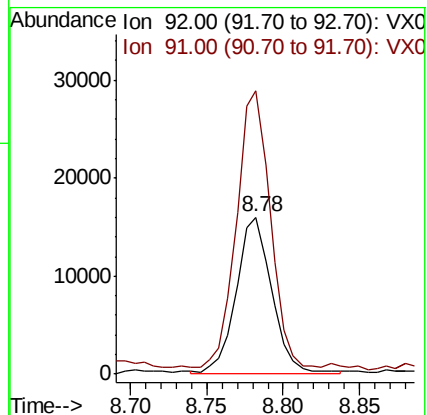
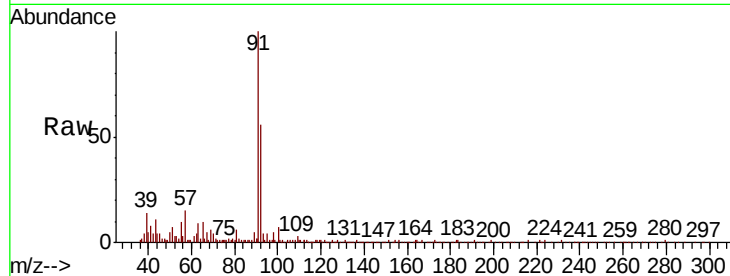
91 164.7 136.2 204.2

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#62

4-Bromofluorobenzene

Concen: 49.740 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

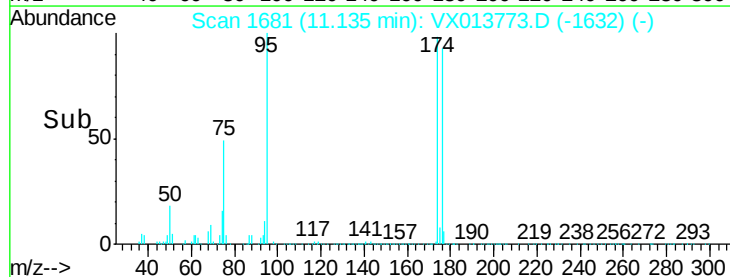
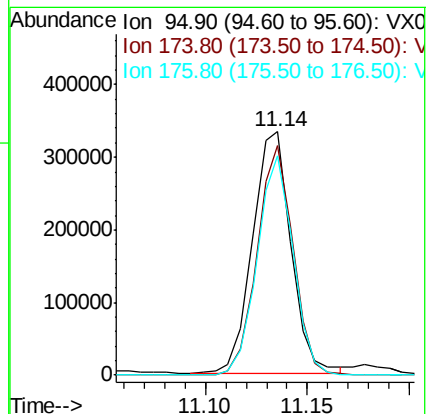
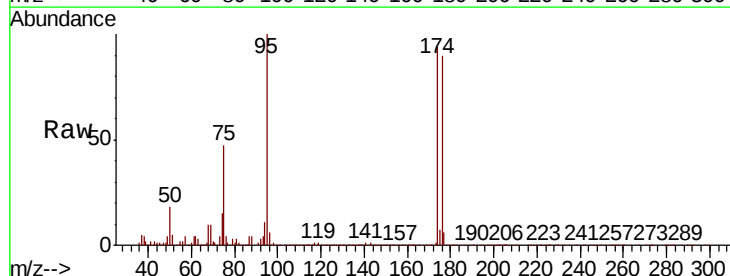
Tgt Ion: 95 Resp: 438982

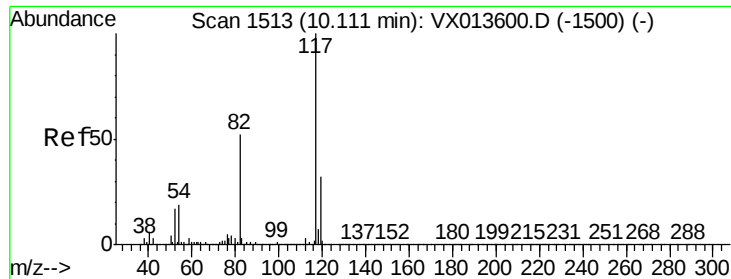
Ion Ratio Lower Upper

95 100

174 88.4 0.0 180.0

176 84.5 0.0 173.6





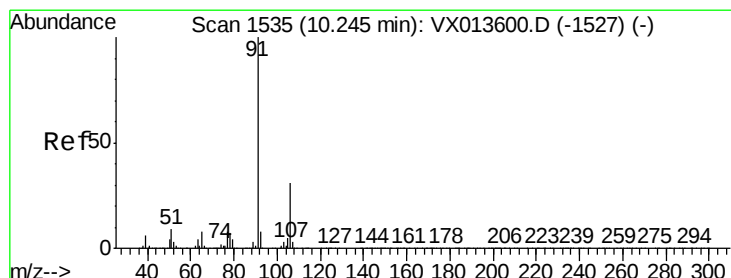
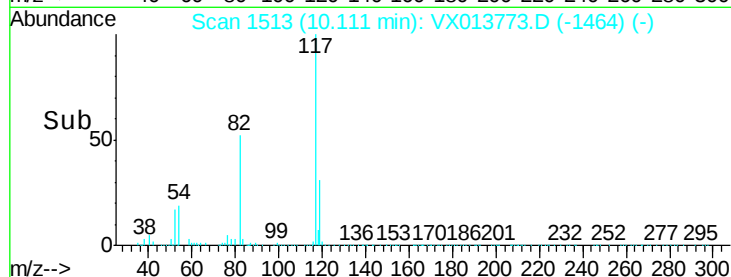
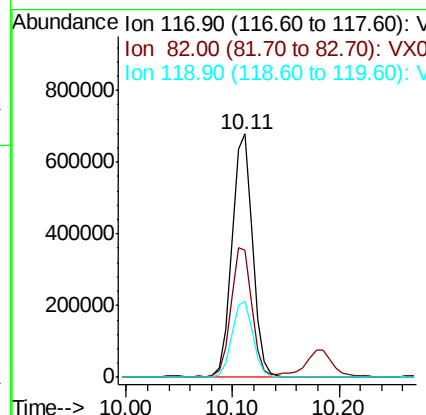
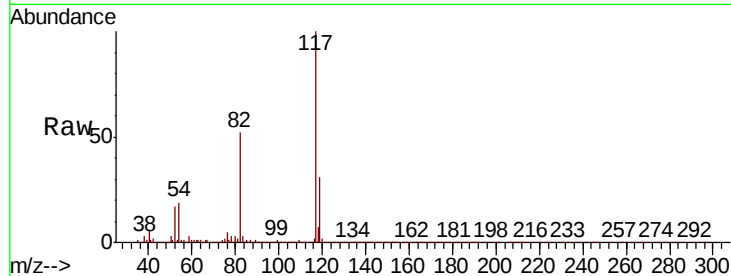
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	31.2	25.8	38.8

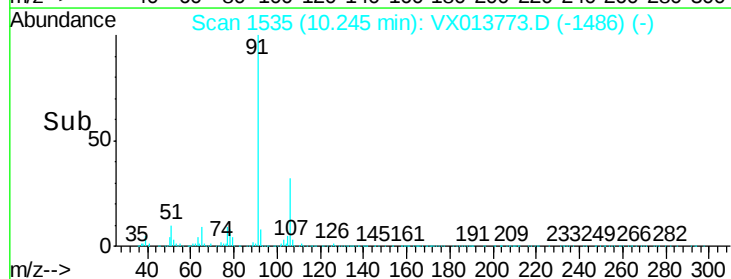
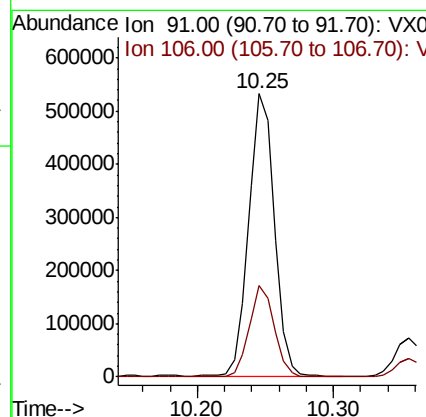
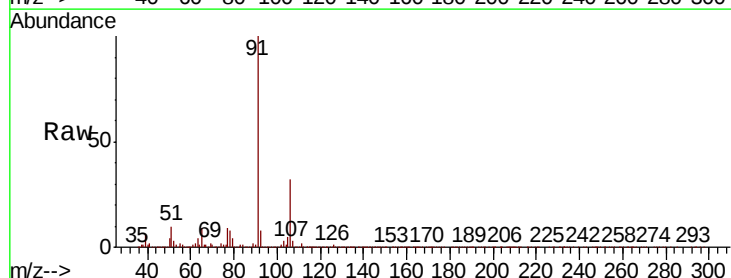
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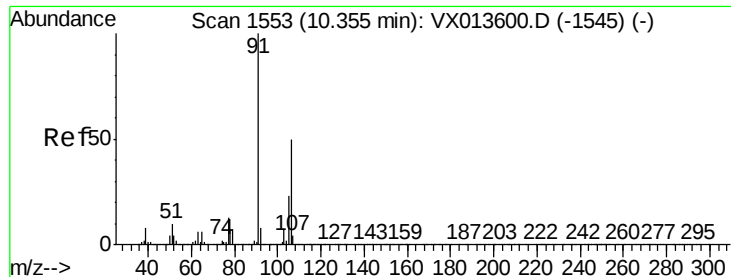
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#67
Ethyl Benzene
Concen: 21.305 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.5	36.7





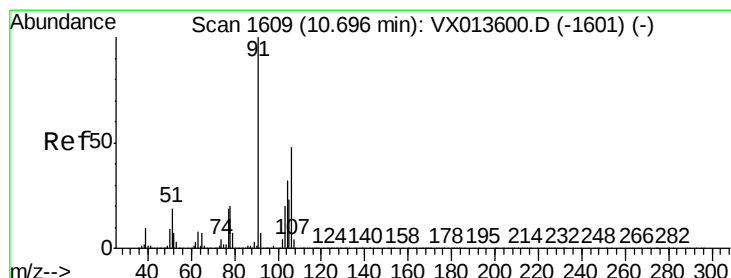
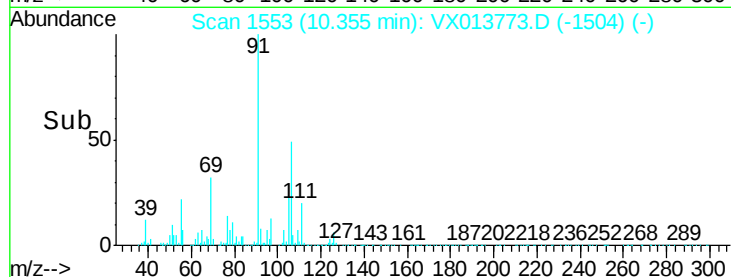
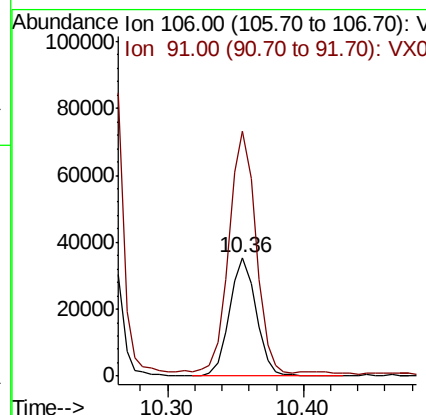
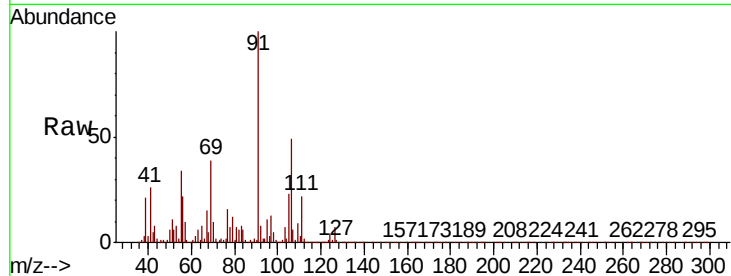
#68
m/p-Xylenes
Concen: 3.810 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

Tot Ion:106 Resp: 47998
Ion Ratio Lower Upper
106 100
91 207.4 159.0 238.4

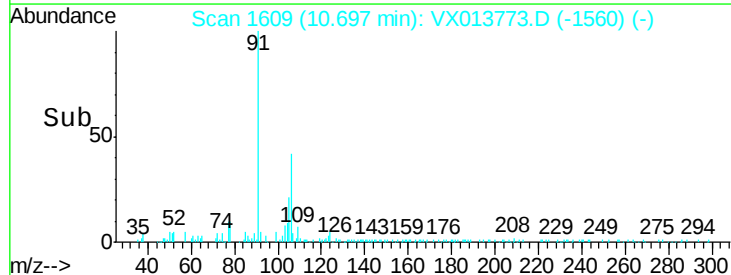
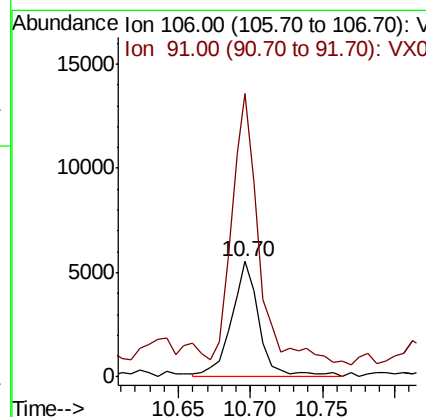
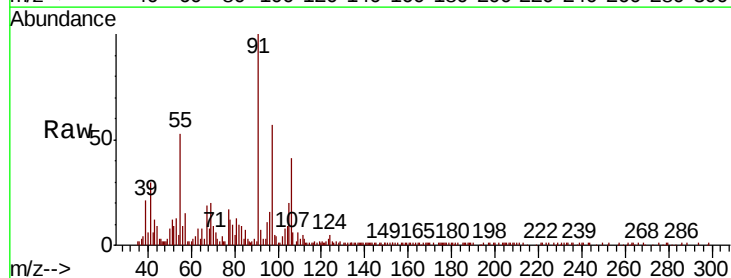
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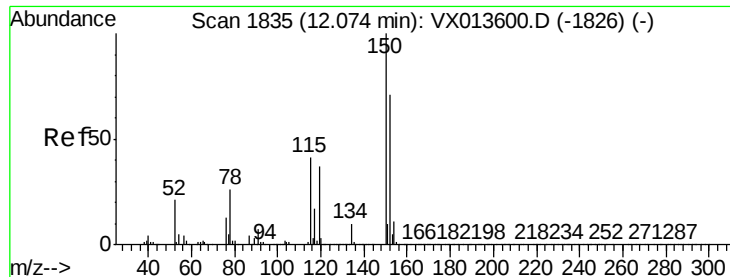
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#69
o-Xylene
Concen: 0.615 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Tgt Ion:106 Resp: 7562
Ion Ratio Lower Upper
106 100
91 229.3 104.1 312.2





#72

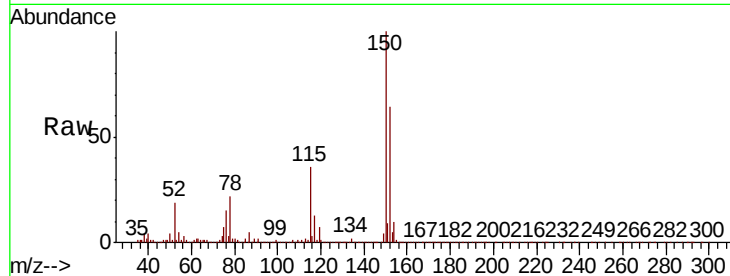
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	38.4	115.1
150	155.8	0.0	346.8

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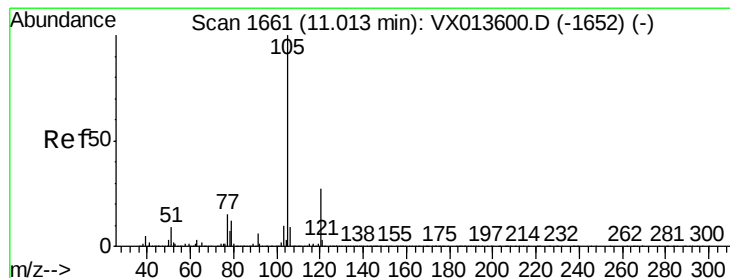
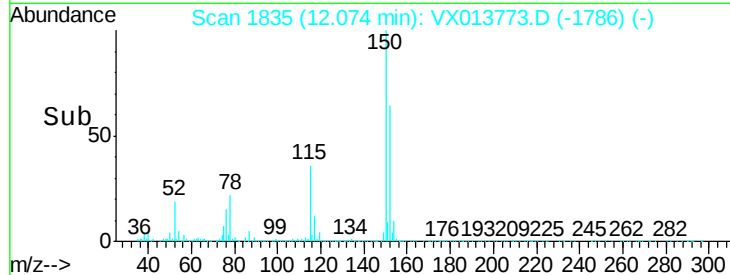
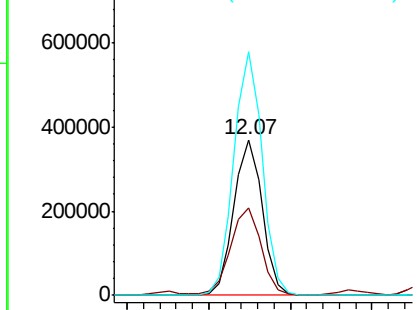


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

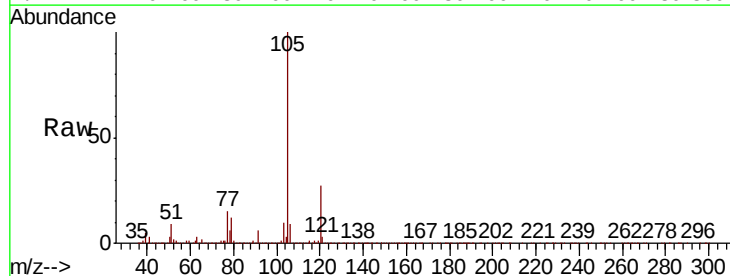
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 56.093 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

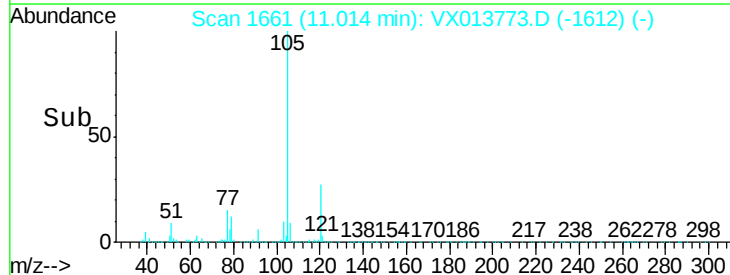
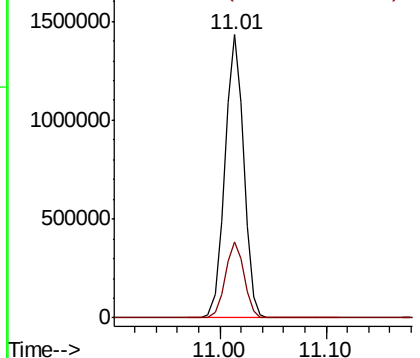
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5

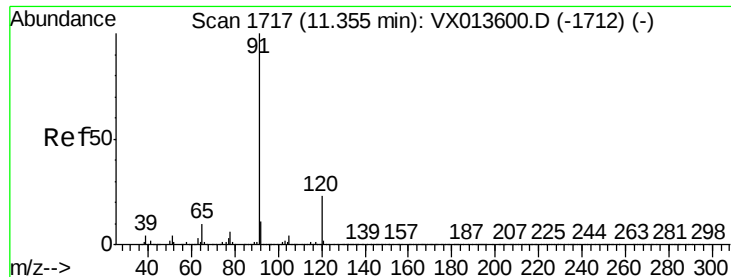


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 60.825 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

Tot Ion: 91 Resp: 2139182

Ion Ratio Lower Upper

91 100

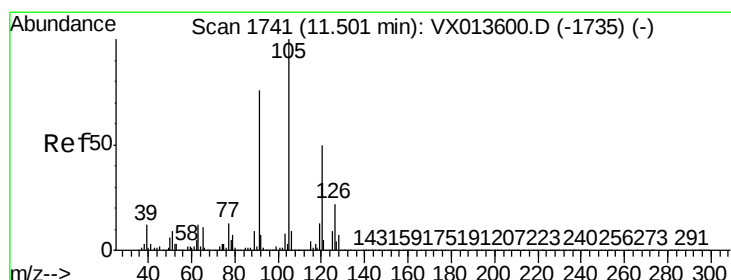
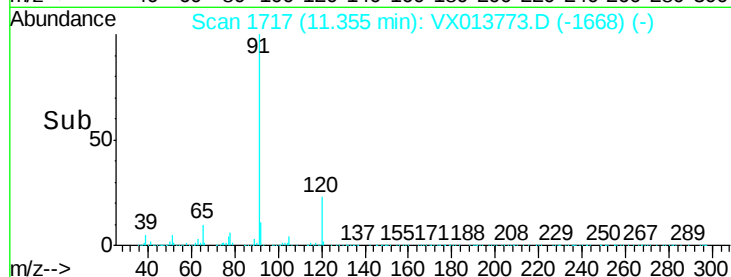
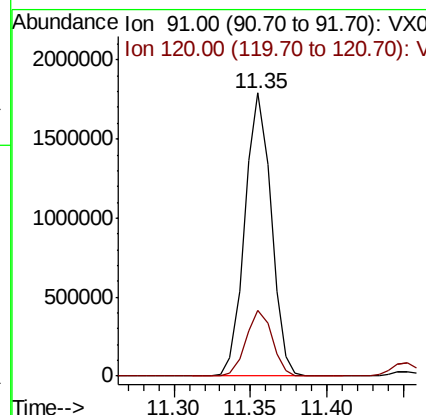
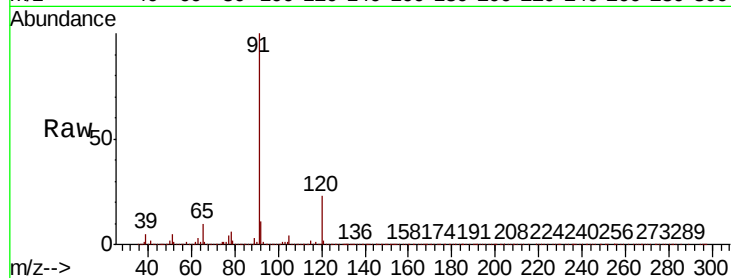
120 23.2 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 2.535 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013773.D

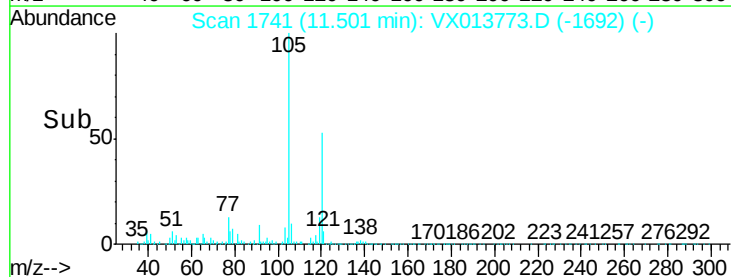
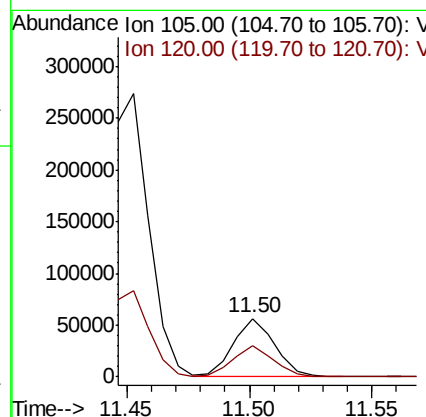
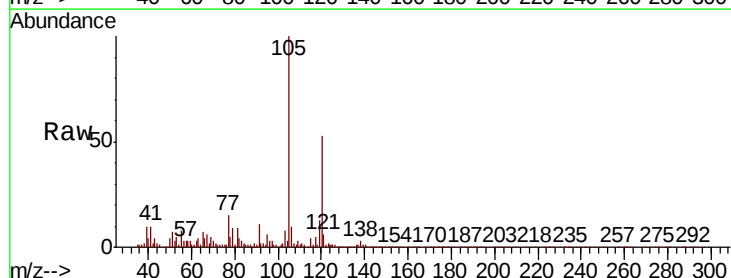
Acq: 05 Dec 2019 13:50

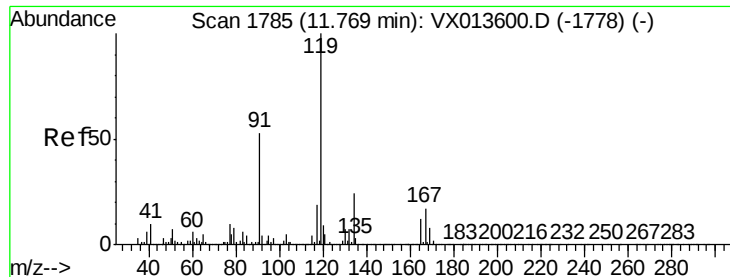
Tgt Ion: 105 Resp: 65448

Ion Ratio Lower Upper

105 100

120 52.3 25.3 75.9





#83

tert-Butylbenzene

Concen: 1.726 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Instrument :

MSVOA_X

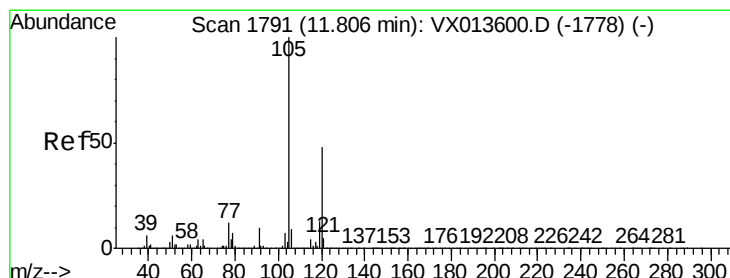
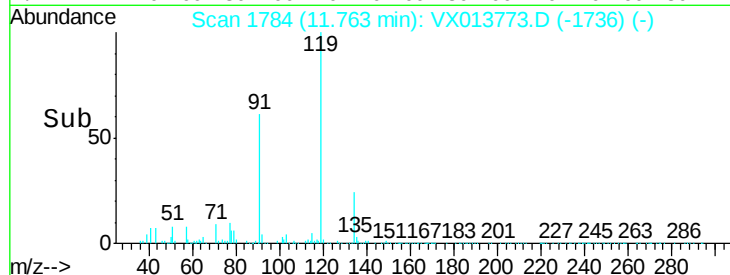
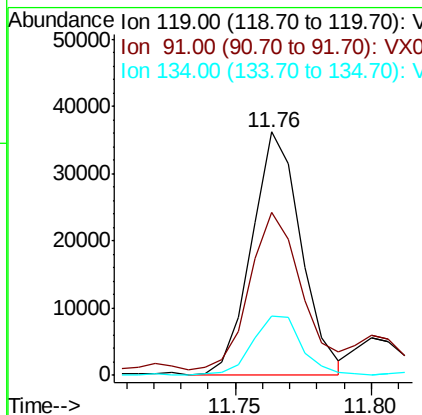
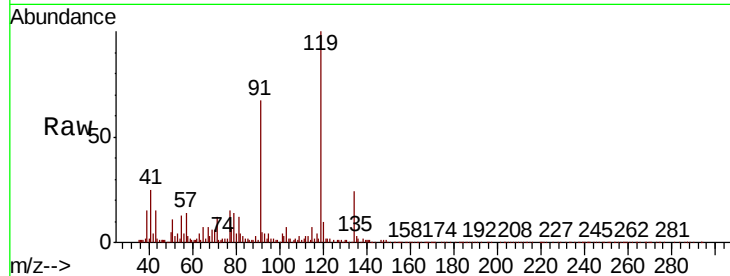
ClientSampleId :

WATER-COMP

Tot Ion:	119	Resp:	45300
Ion Ratio	Lower	Upper	
119	100		
91	67.9	27.2	81.6
134	25.6	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 2.062 ug/l

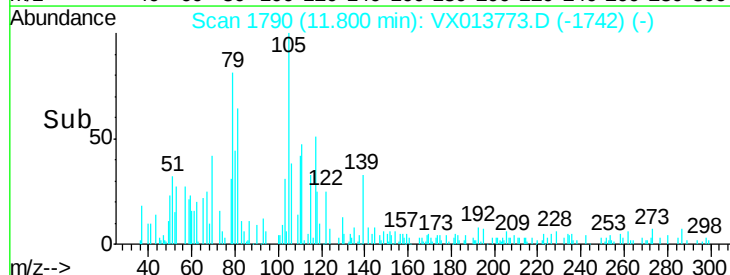
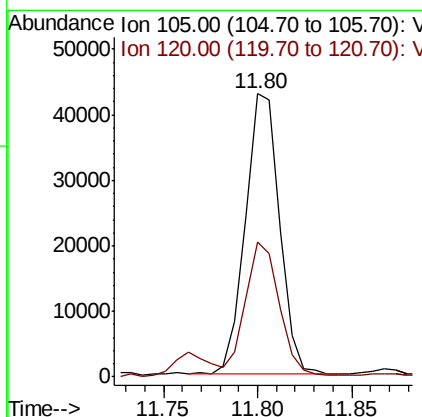
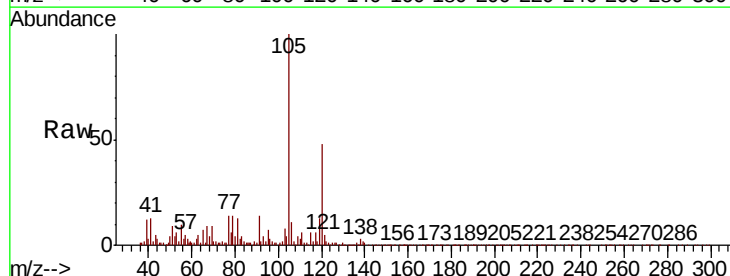
RT: 11.80 min Scan# 1790

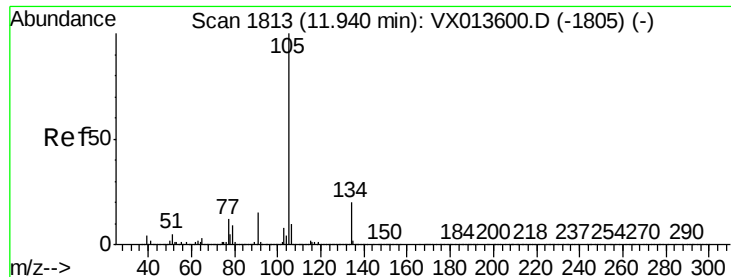
Delta R.T. -0.01 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Tgt Ion:	105	Resp:	54050
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 14.658 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

WATER-COMP

Tot Ion:105 Resp: 439349

Ion Ratio Lower Upper

105 100

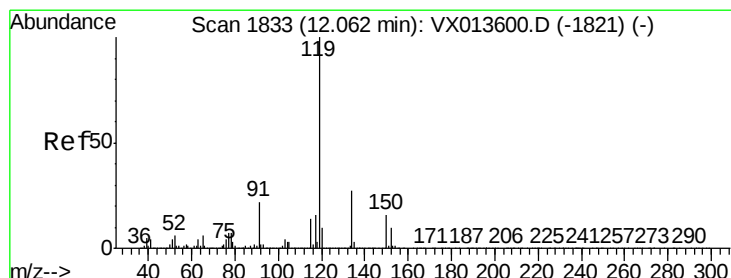
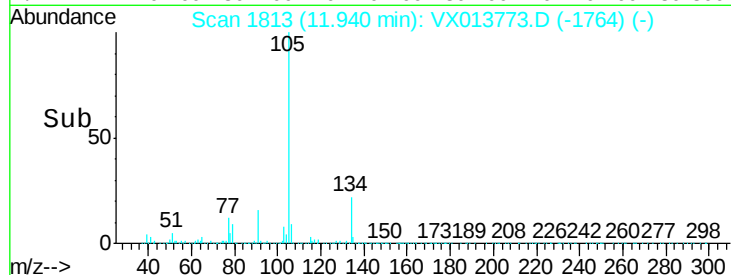
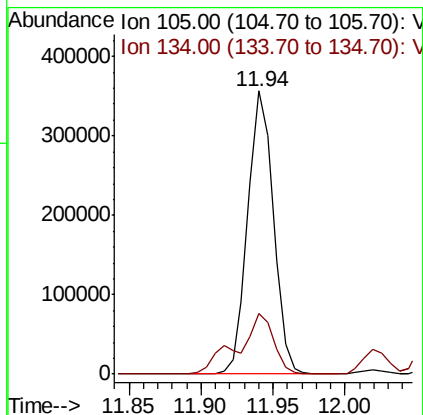
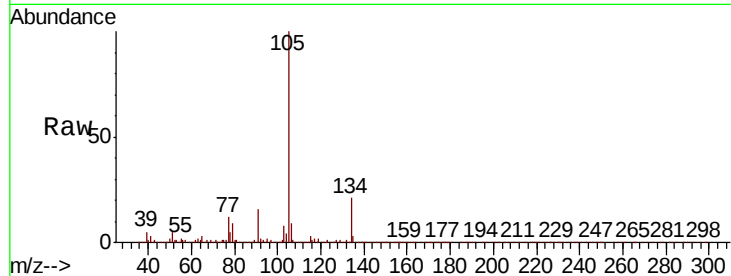
134 30.1 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 9.992 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013773.D

Acq: 05 Dec 2019 13:50

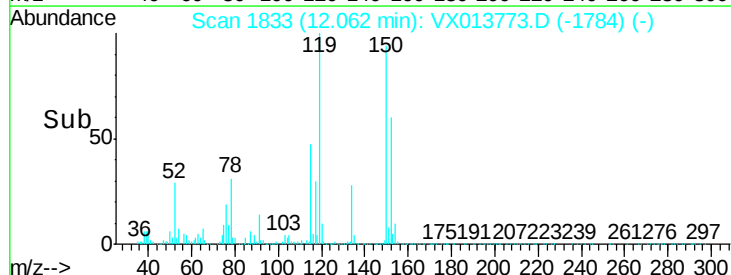
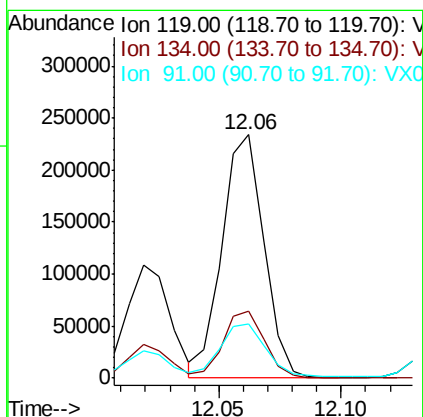
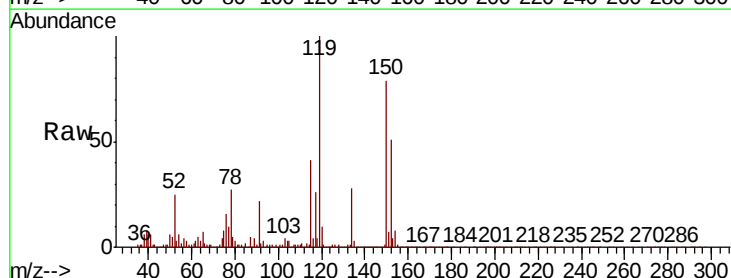
Tgt Ion:119 Resp: 278614

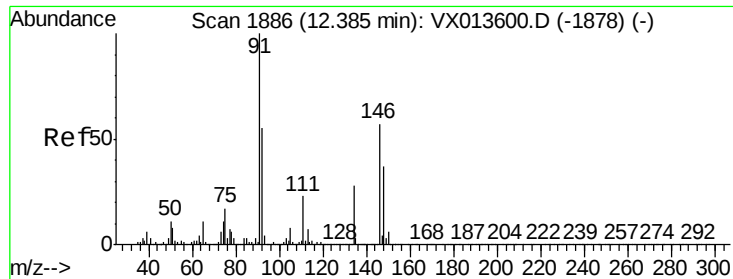
Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.9

91 23.5 11.3 33.8





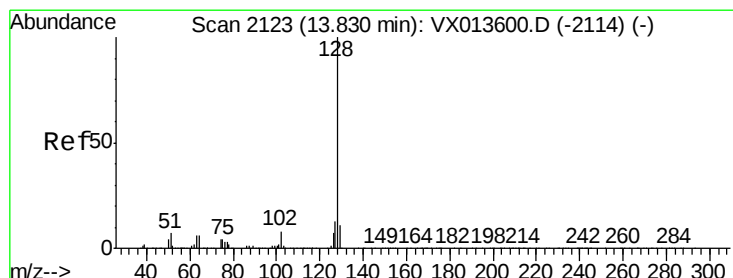
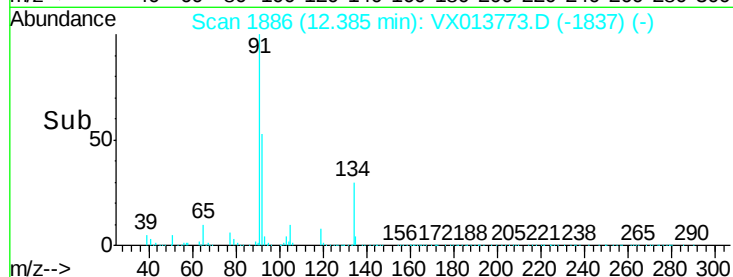
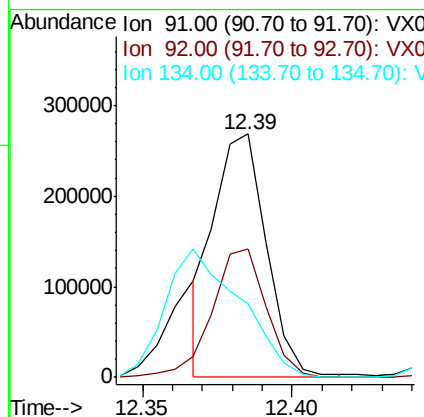
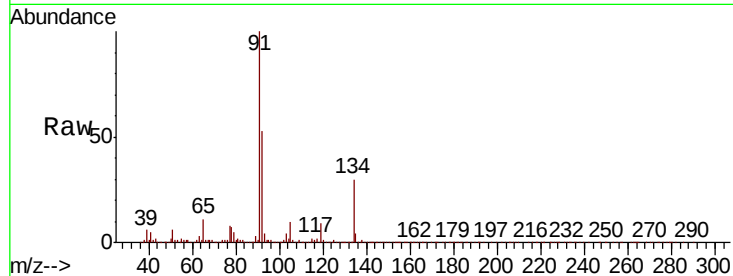
#89
n-Butylbenzene
Concen: 13.822 ug/l m
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
WATER-COMP

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.4	82.2
134	74.9	13.5	40.4

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#95
Naphthalene
Concen: 64.386 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013773.D
Acq: 05 Dec 2019 13:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	12.2	8.7	13.1

