

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013736.D
 Acq On : 03 Dec 2019 19:41
 Operator : JC/SP
 Sample : K6084-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30735

Manual Integrations
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Quant Time: Dec 04 12:57:47 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	5.66	168	717767	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	1104353	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1024046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	644364	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	397543	47.71	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.42%	
35) Dibromofluoromethane	5.50	113	276932	40.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	81.12%	
50) Toluene-d8	8.72	98	1342793	50.48	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.14	95	489113	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.18	74	3931887	775.730	ug/l	92
11) Tert butyl alcohol	3.05	59	10853024	5277.371	ug/l #	90
16) Acetone	2.43	43	18856797	4584.188	ug/l #	82
17) Carbon Disulfide	2.56	76	22861	1.174	ug/l	96
18) Methyl Acetate	2.76	43	3729736	325.618	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	2926083	129.308	ug/l	93
25) 2-Butanone	4.67	43	6553555	1072.006	ug/l	98
29) Tetrahydrofuran	5.12	42	333987	88.621	ug/l	93
31) Cyclohexane	5.57	56	725954	58.985	ug/l	99
37) Ethyl Acetate	4.83	43	465854	41.423	ug/l #	93
39) Methylcyclohexane	7.46	83	696596	56.216	ug/l #	83
40) Benzene	6.12	78	47817044m	1566.124	ug/l	
43) Isopropyl Acetate	6.44	43	2404235	129.854	ug/l #	83
49) 1,4-Dioxane	7.76	88	1844174	9158.421	ug/l	93
51) 4-Methyl-2-Pentanone	8.66	43	2858236	245.420	ug/l	99
52) Toluene	8.78	92	34273269m	1806.925	ug/l	
67) Ethyl Benzene	10.25	91	12040980	329.573	ug/l #	86
68) m/p-Xylenes	10.36	106	19841473m	1418.496	ug/l	
69) o-Xylene	10.70	106	11701246	857.728	ug/l	54
73) Isopropylbenzene	11.02	105	1732040	38.320	ug/l	100
78) n-propylbenzene	11.36	91	1781245	35.302	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	7364812	198.806	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	12723654	338.420	ug/l	96
95) Naphthalene	13.83	128	668044	15.305	ug/l	98

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

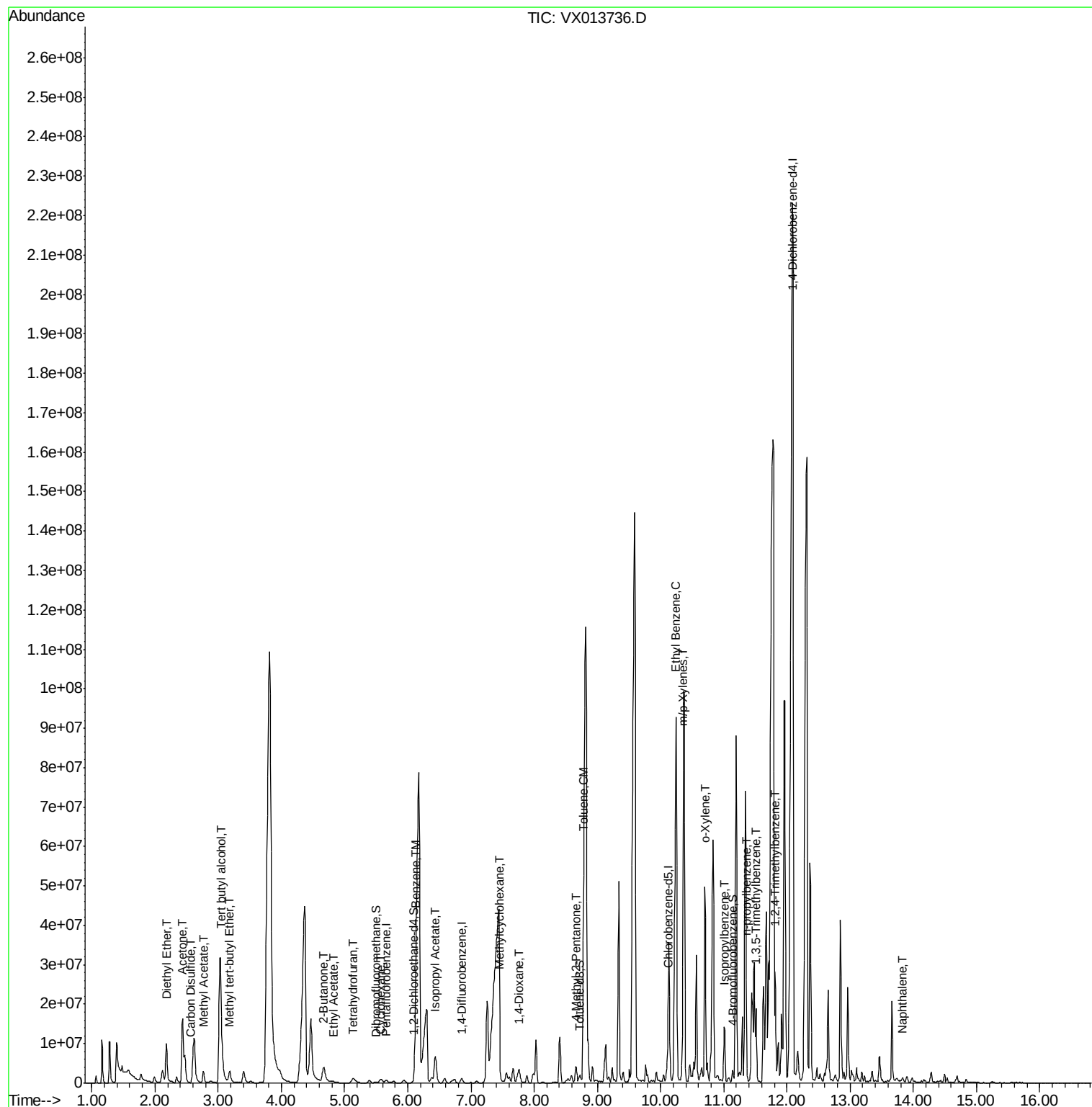
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120319\
Data File : VX013736.D
Acq On : 03 Dec 2019 19:41
Operator : JC/SP
Sample : K6084-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

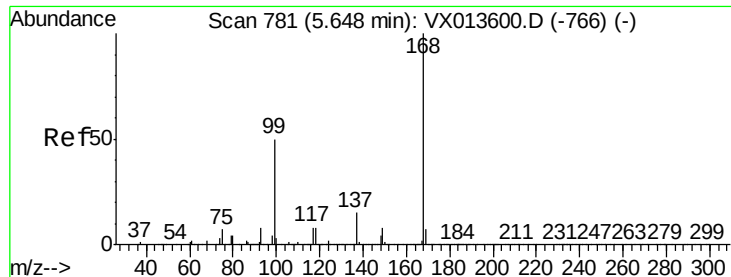
Instrument :
MSVOA_X
ClientSampleId :
30735

Manual Integrations
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Quant Time: Dec 04 12:57:47 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

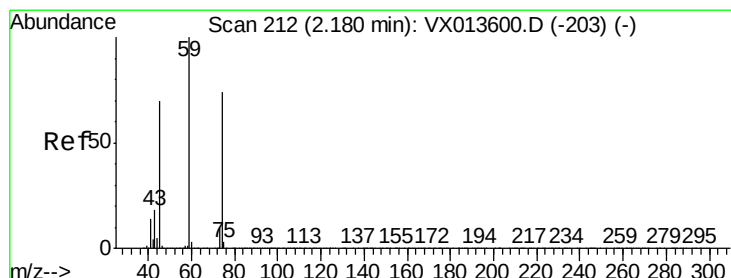
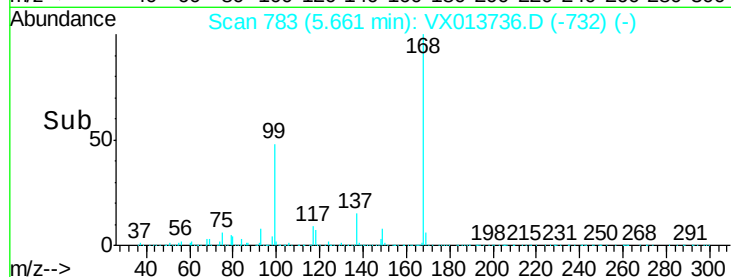
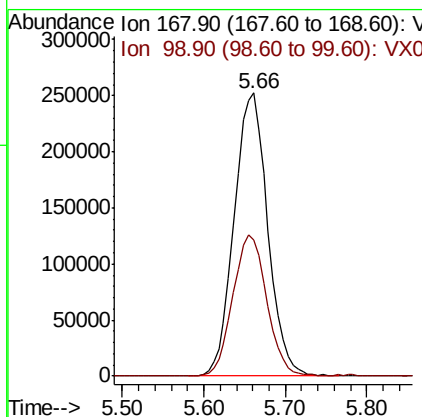
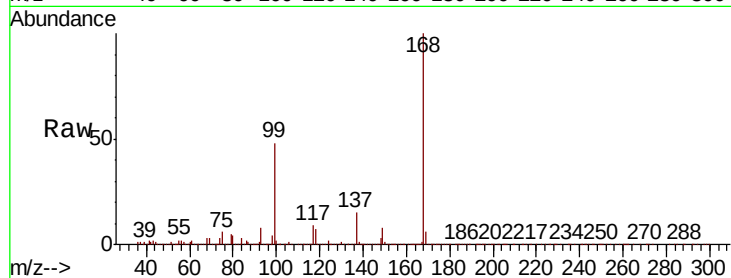
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 783
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Instrument :
MSVOA_X
ClientSampled :
30735

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.9	39.8	59.8

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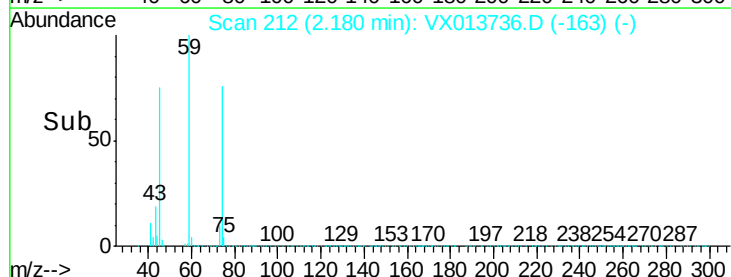
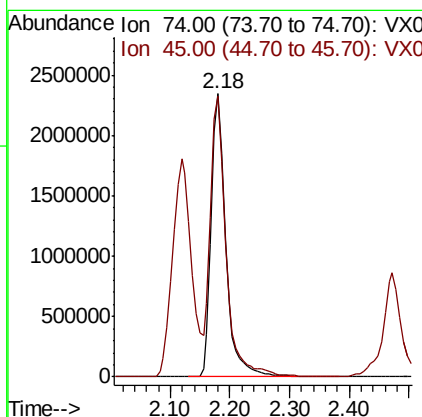
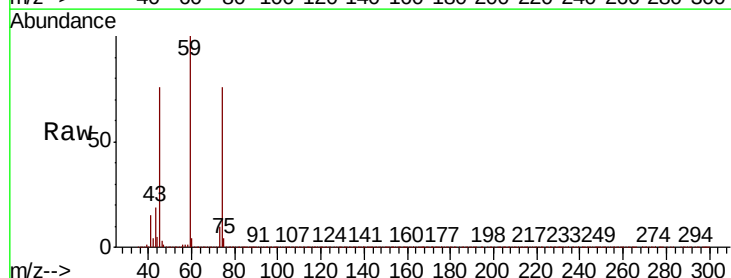
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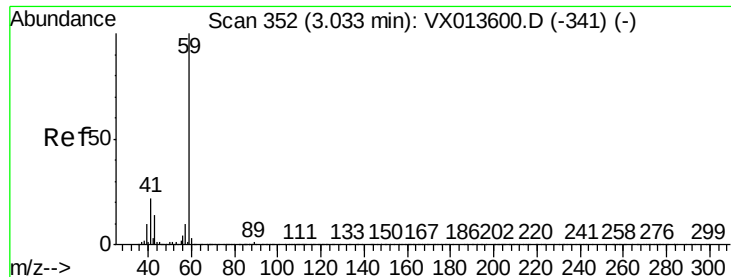


#8

Diethyl Ether
Concen: 775.730 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.8	48.9	146.8





#11

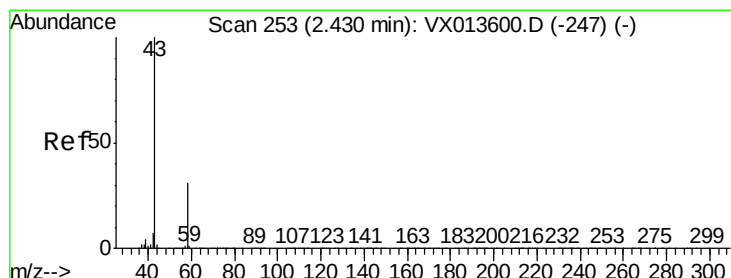
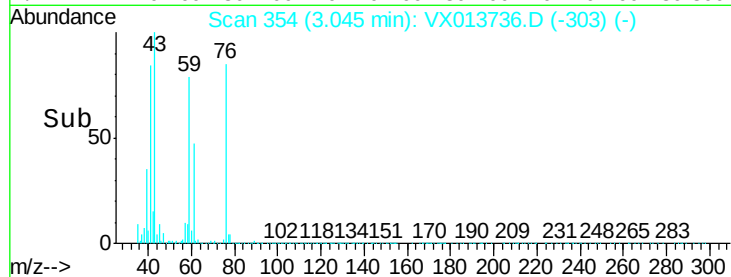
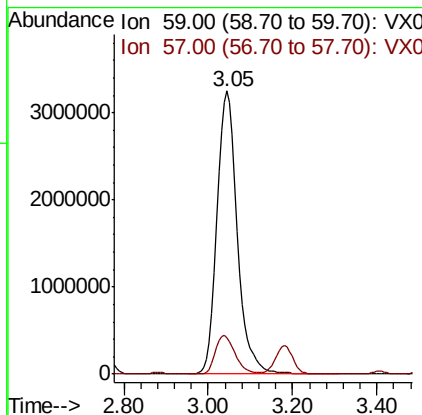
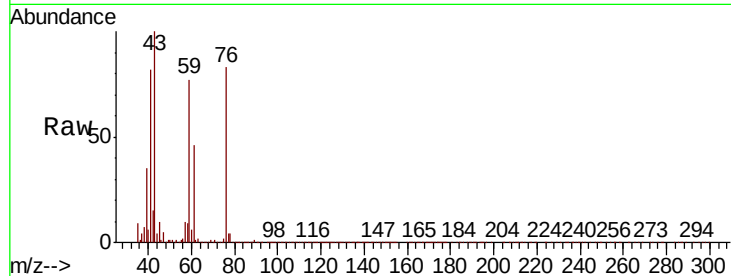
Tert butyl alcohol
Concen: 5277.371 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Instrument :
MSVOA_X
ClientSampled :
30735

Tot Ion: 59 Resp:10853024
Ion Ratio Lower Upper
59 100
57 13.6 7.8 11.6#

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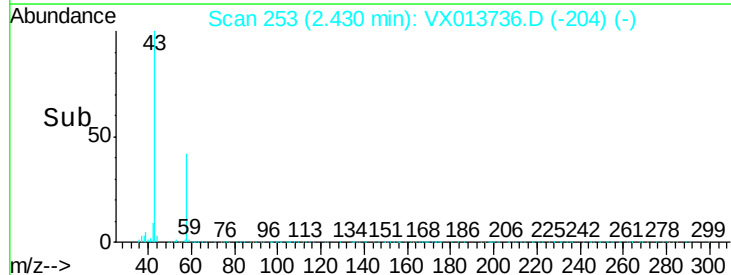
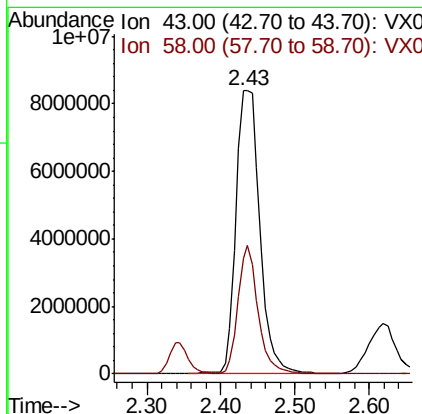
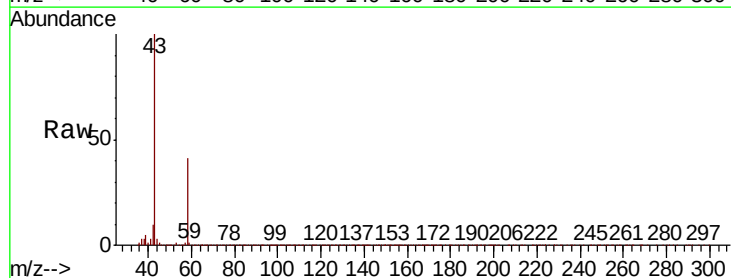
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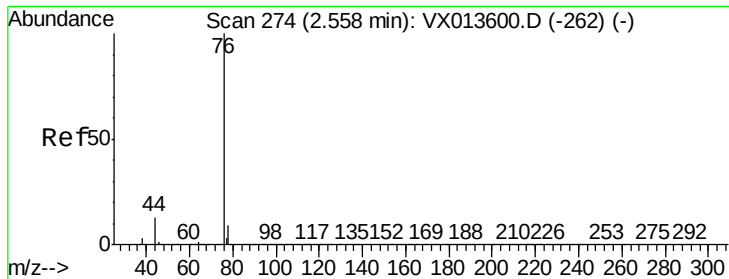


#16

Acetone
Concen: 4584.188 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Tgt Ion: 43 Resp:18856797
Ion Ratio Lower Upper
43 100
58 40.7 24.6 36.8#





#17

Carbon Disulfide

Concen: 1.174 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Instrument :

MSVOA_X

ClientSampled :

30735

Tot Ion: 76 Resp: 22861

Ion Ratio Lower Upper

76 100

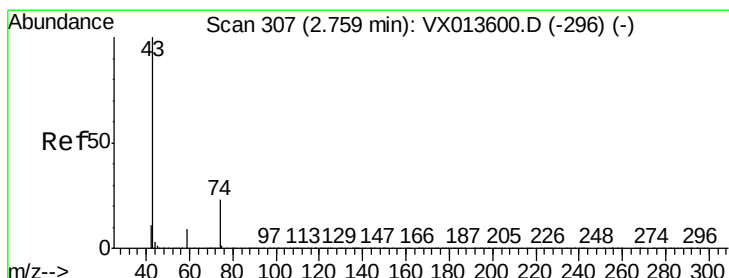
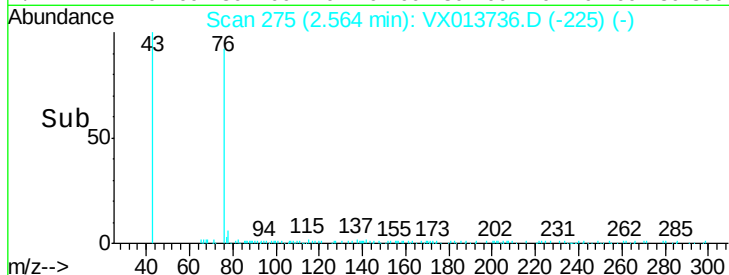
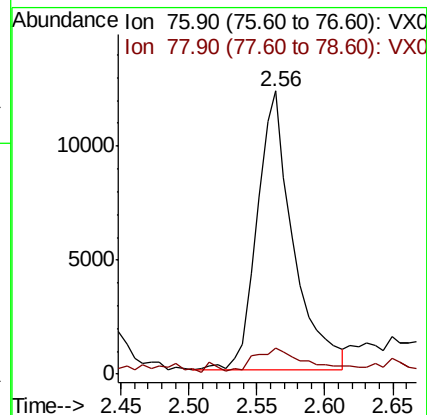
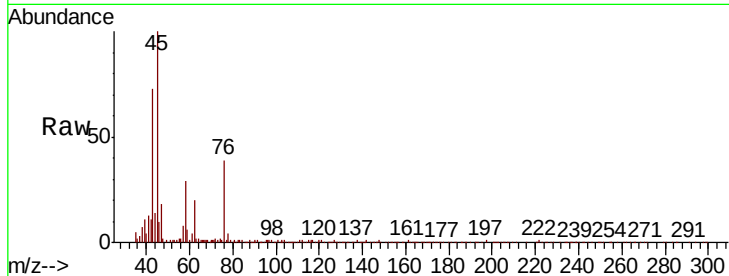
78 7.5 7.2 10.8

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#18

Methyl Acetate

Concen: 325.618 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013736.D

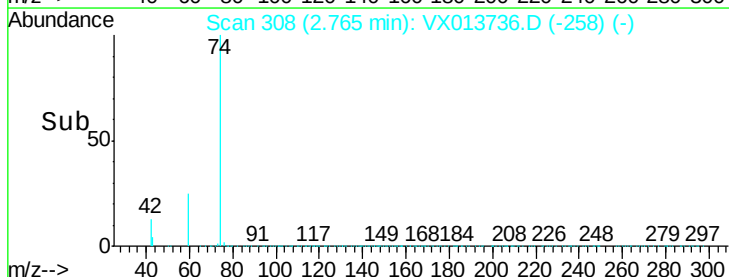
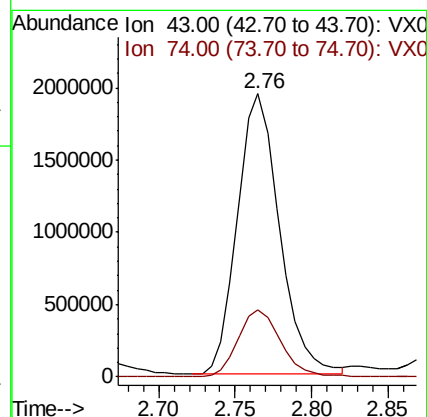
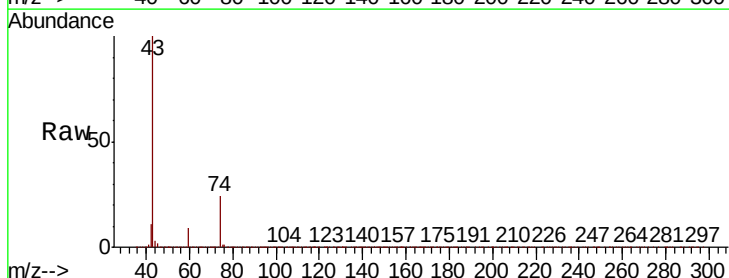
Acq: 03 Dec 2019 19:41

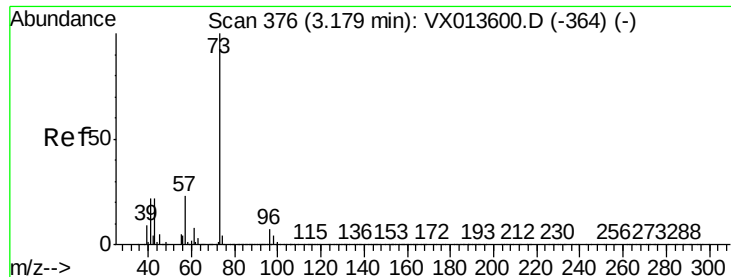
Tgt Ion: 43 Resp: 3729736

Ion Ratio Lower Upper

43 100

74 24.4 19.5 29.3





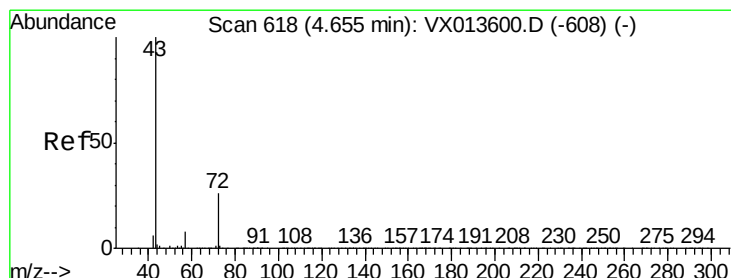
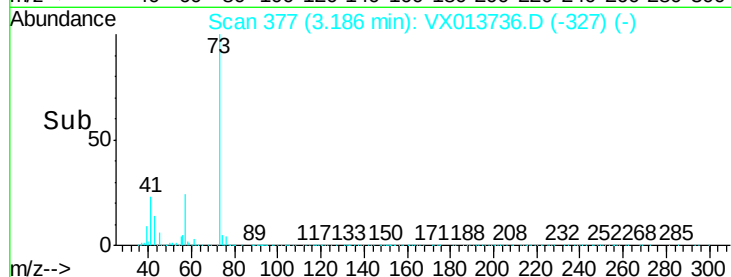
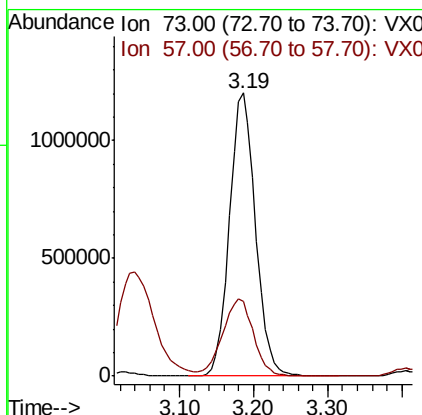
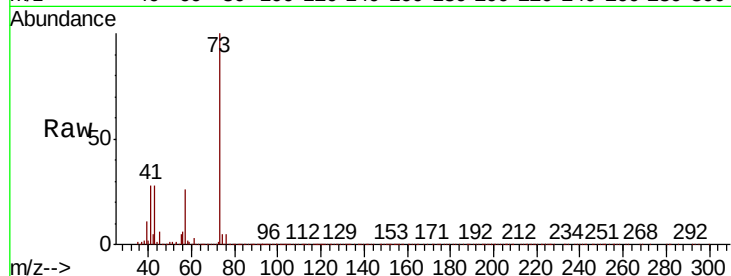
#19
Methyl tert-butyl Ether
Concen: 129.308 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Instrument :
MSVOA_X
ClientSampled :
30735

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.1	18.3	27.5

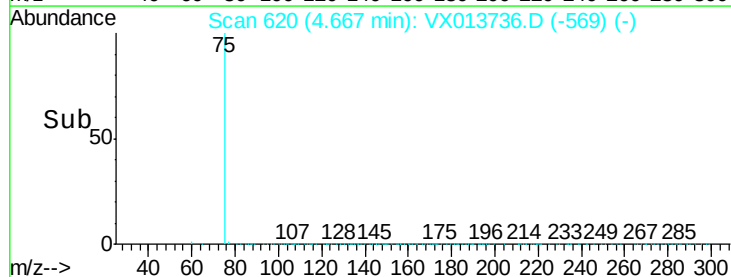
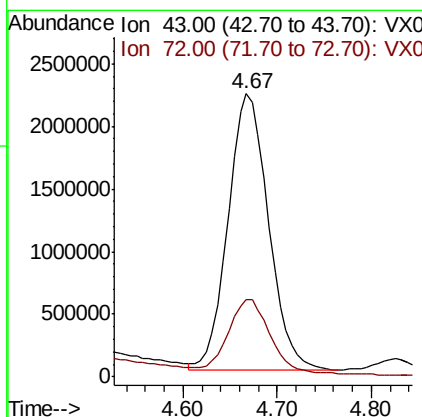
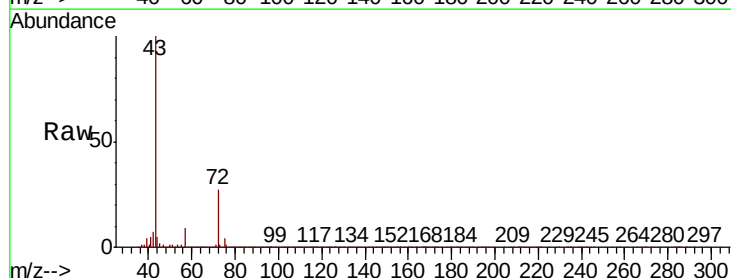
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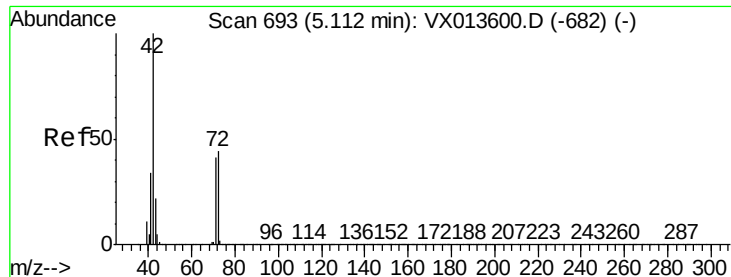
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#25
2-Butanone
Concen: 1072.006 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.6	20.6	31.0





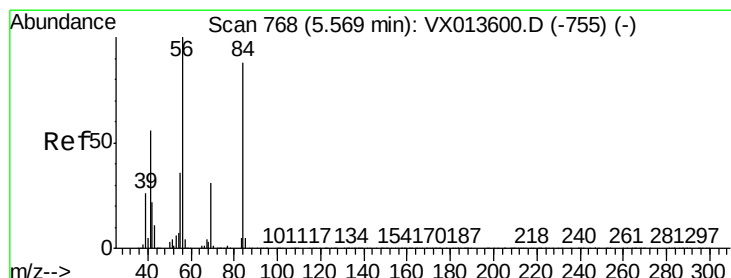
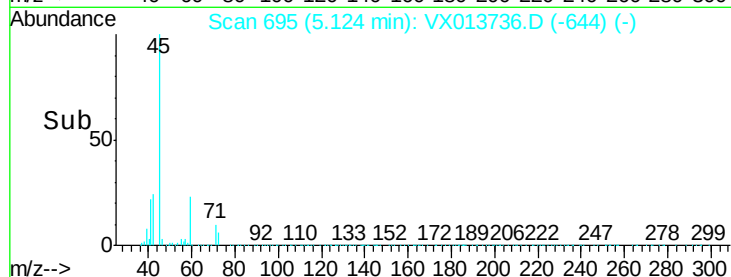
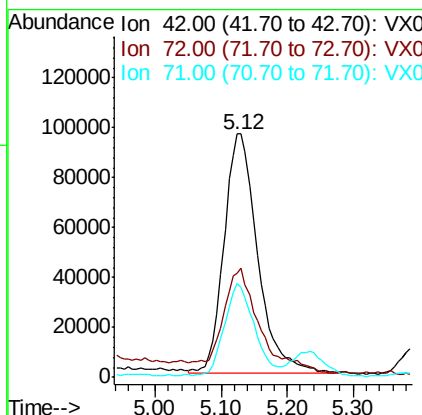
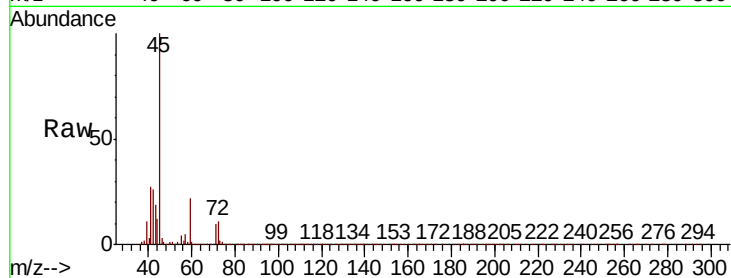
#29
Tetrahydrofuran
Concen: 88.621 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
30735

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	47.7	36.3	54.5	
71	35.1	33.2	49.8	

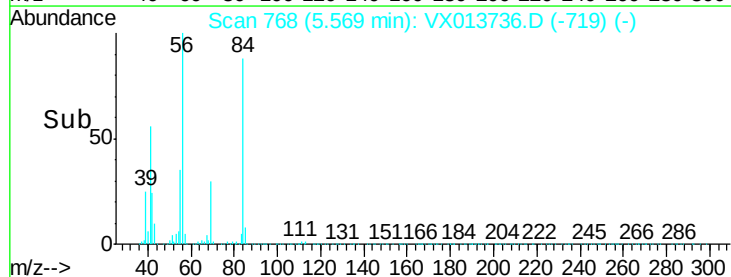
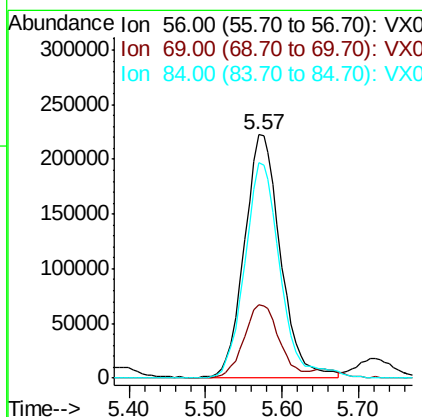
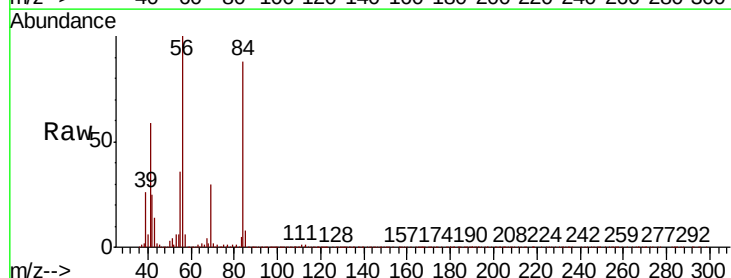
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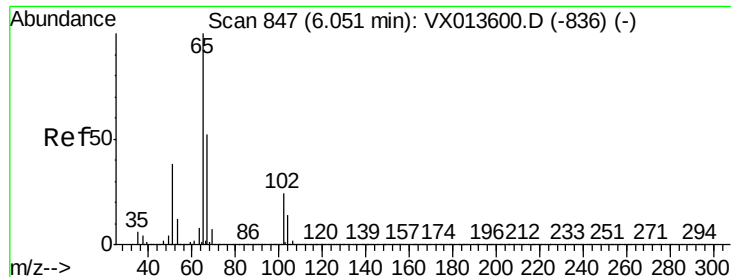
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#31
Cyclohexane
Concen: 58.985 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
56	100			
69	29.9	24.6	36.8	
84	88.4	70.0	105.0	





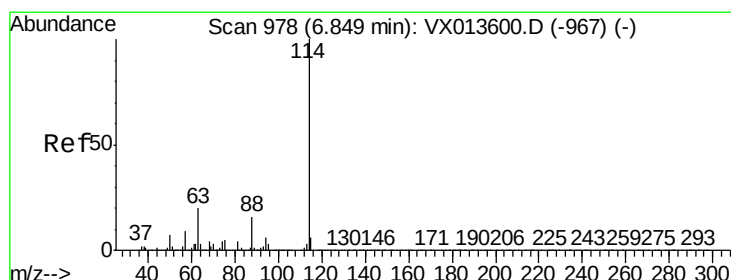
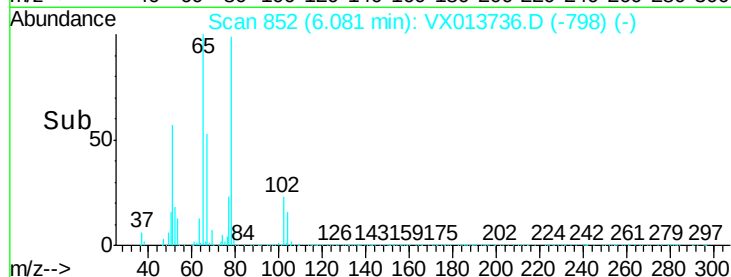
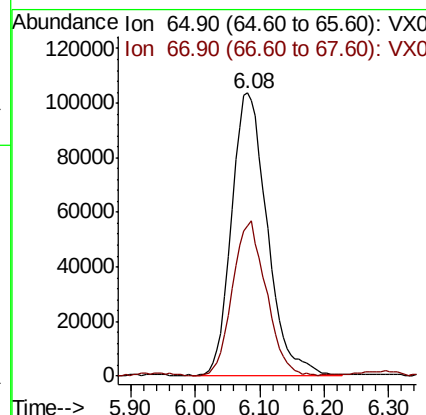
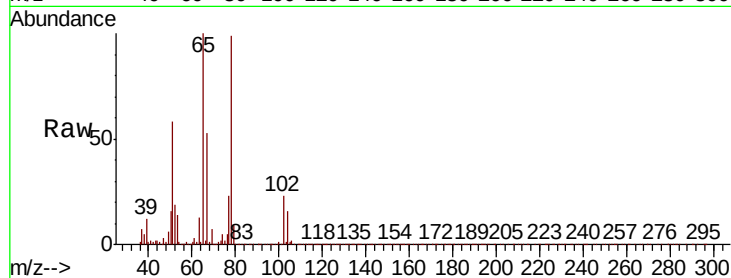
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 1,2-Dichloroethane-d4
 Concen: 47.715 ug/l
 RT: 6.08 min Scan# 852
 Delta R.T. 0.03 min
 Lab File: VX013736.D
 Acq: 03 Dec 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 30735

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

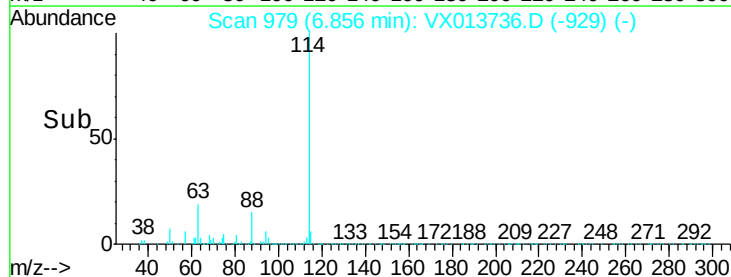
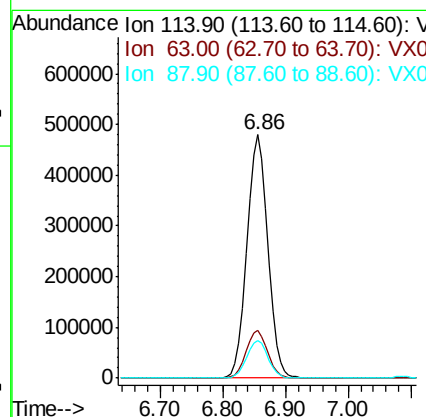
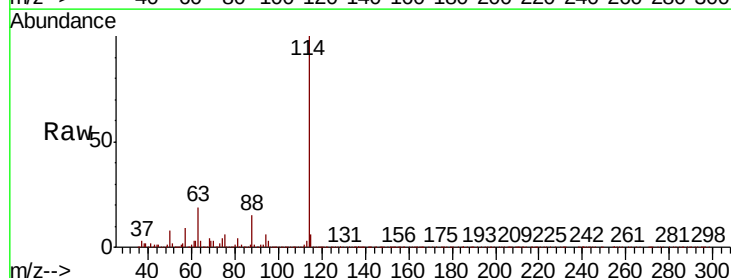
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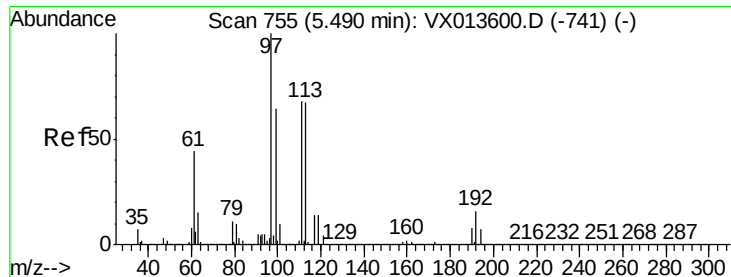
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013736.D
 Acq: 03 Dec 2019 19:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	15.3	0.0	31.4





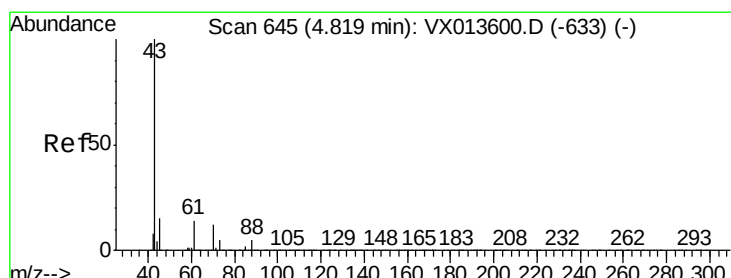
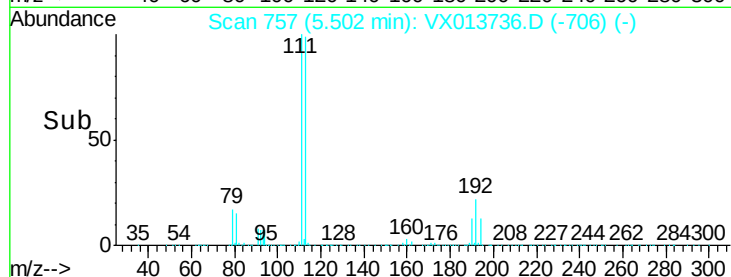
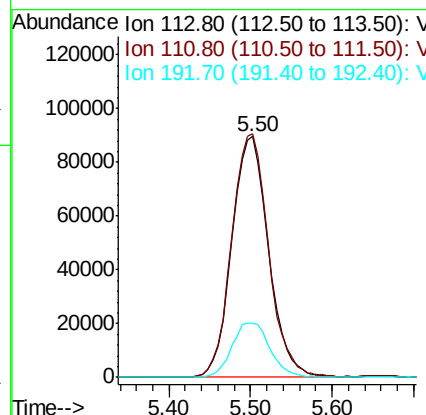
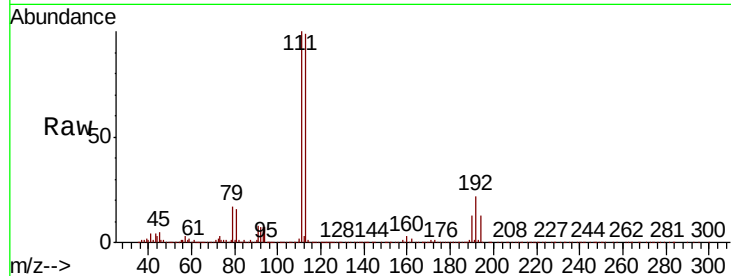
#35
 Dibromofluoromethane
 Concen: 40.563 ug/l
 RT: 5.50 min Scan# 757
 Delta R.T. 0.01 min
 Lab File: VX013736.D
 Acq: 03 Dec 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 30735

Tot Ion	Ratio	Resp	Lower	Upper
113	100	276932		
111	102.0	83.6	125.4	
192	23.8	19.2	28.8	

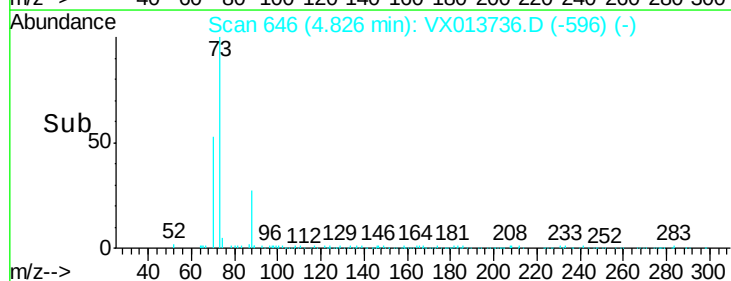
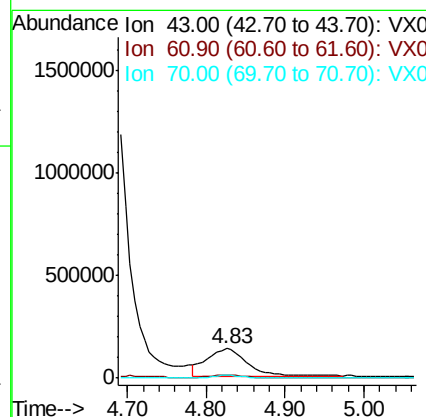
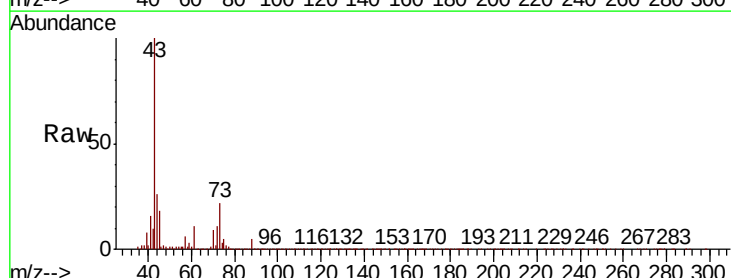
Manual Integrations
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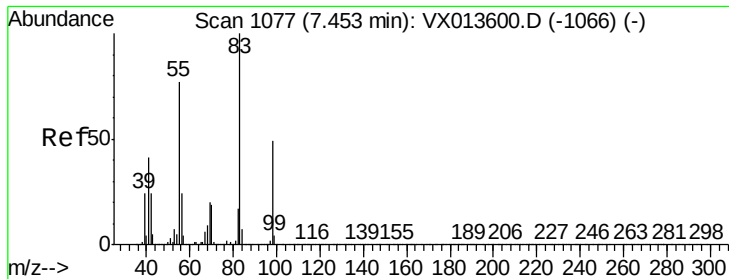
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#37
 Ethyl Acetate
 Concen: 41.423 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX013736.D
 Acq: 03 Dec 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	465854		
61	10.9	11.0	16.4#	
70	8.0	8.6	12.8#	





#39

Methylvlcyclohexane

Concen: 56.216 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Instrument :

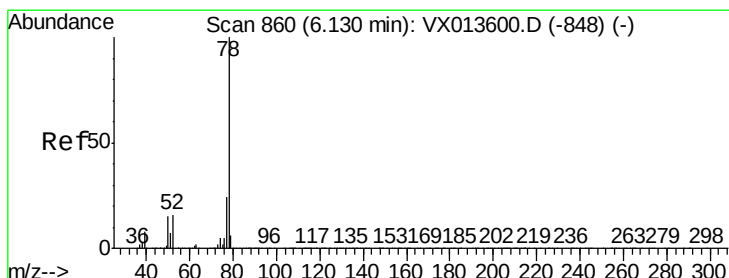
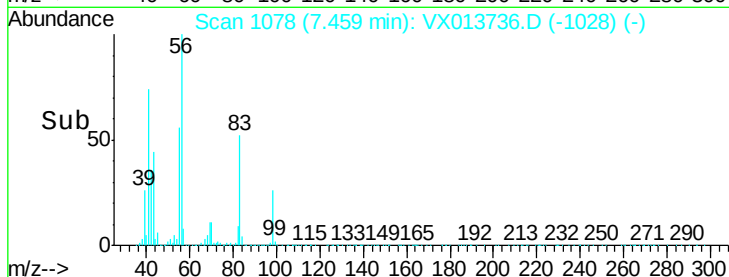
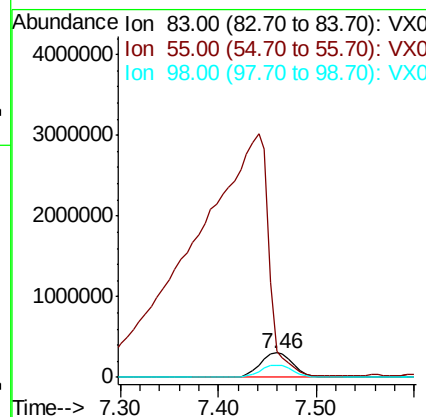
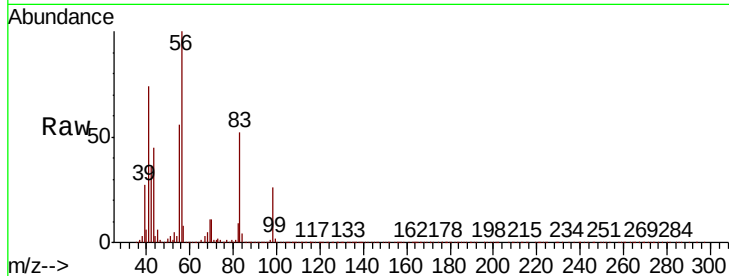
MSVOA_X

ClientSampleId :
30735

Tot Ion:	83	Resp:	696596
Ion	Ratio	Lower	Upper
83	100		
55	100.7	61.9	92.9#
98	49.8	39.4	59.0

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#40

Benzene

Concen: 1566.124 ug/l m

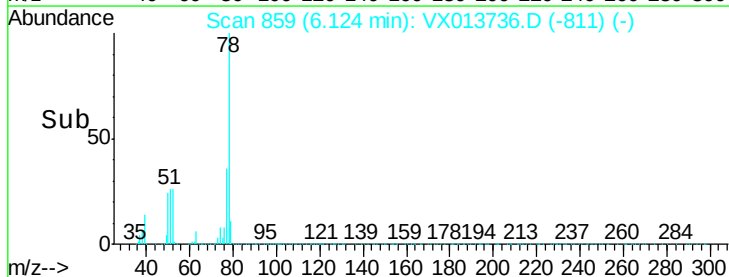
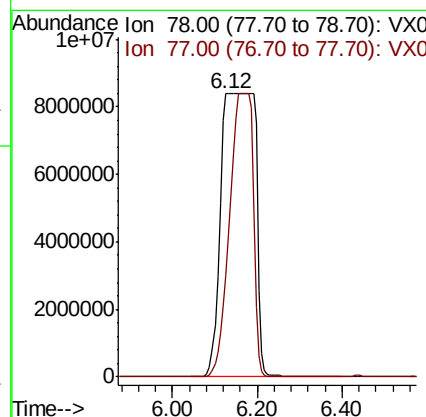
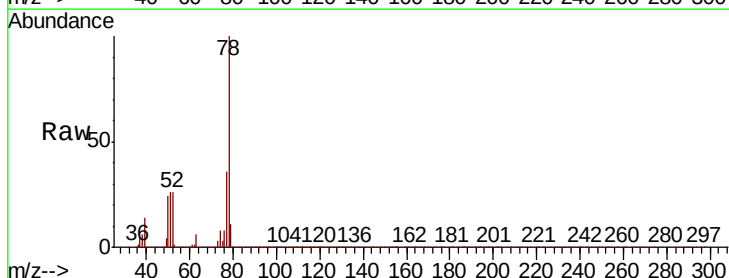
RT: 6.12 min Scan# 859

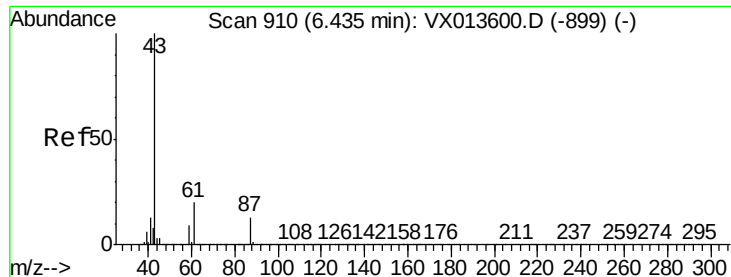
Delta R.T. -0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Tgt Ion:	78	Resp:	47817044
Ion	Ratio	Lower	Upper
78	100		
77	36.1	19.0	28.4#





#43

Isopropyl Acetate

Concen: 129.854 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Instrument :

MSVOA_X

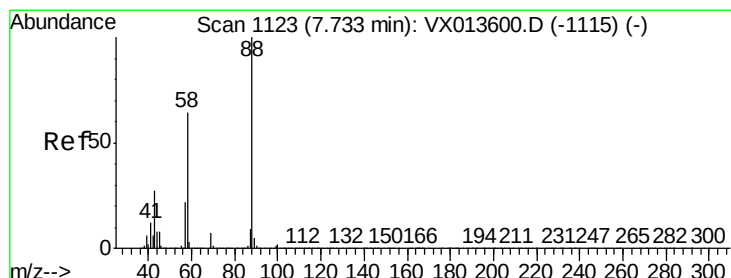
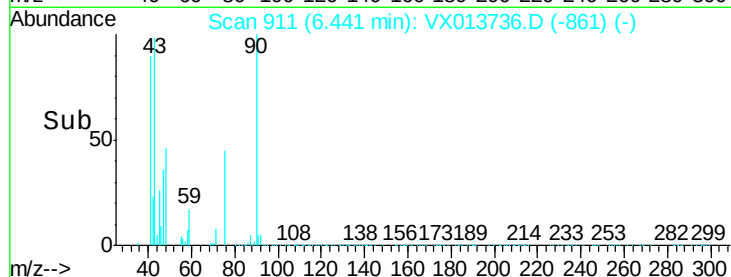
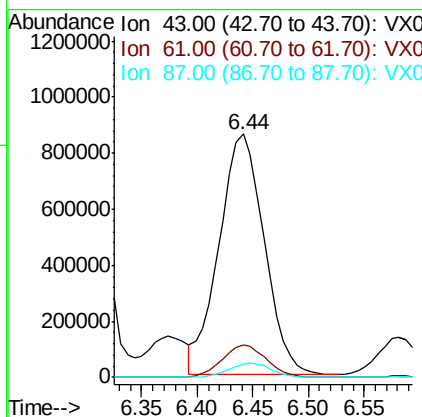
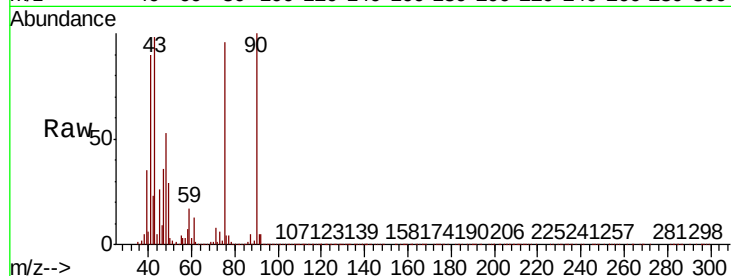
ClientSampled :

30735

Tot Ion	43	Resp	2404235
Ion	Ratio	Lower	Upper
43	100		
61	13.1	16.3	24.5#
87	5.7	10.8	16.2#

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#49

1,4-Dioxane

Concen: 9158.421 ug/l

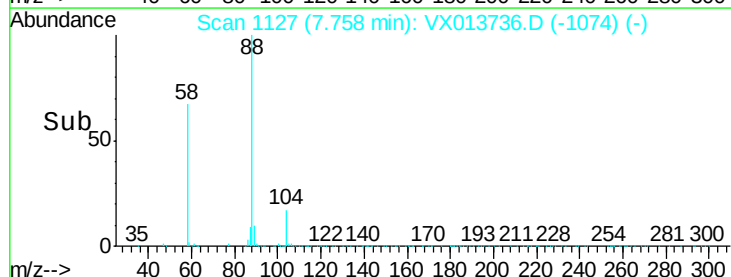
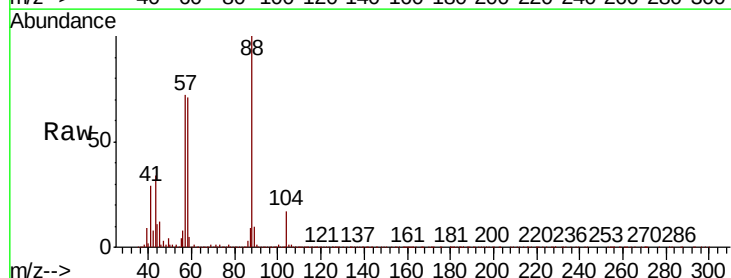
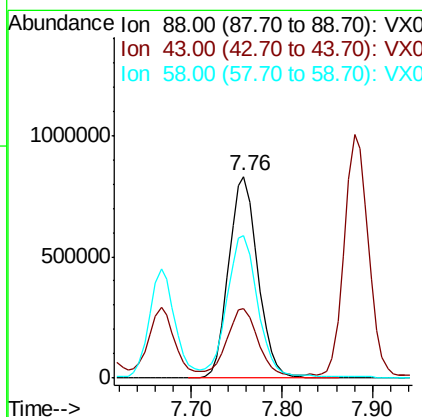
RT: 7.76 min Scan# 1127

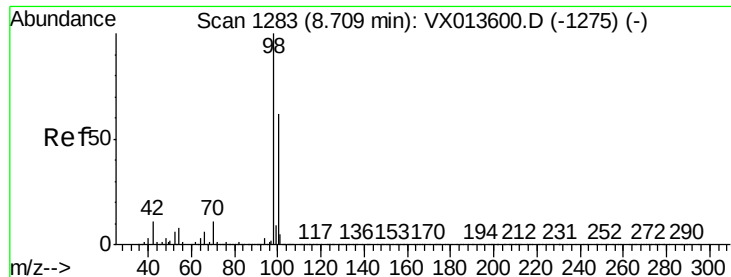
Delta R.T. 0.02 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Tgt Ion	88	Resp	1844174
Ion	Ratio	Lower	Upper
88	100		
43	34.3	25.8	38.6
58	74.7	54.6	82.0





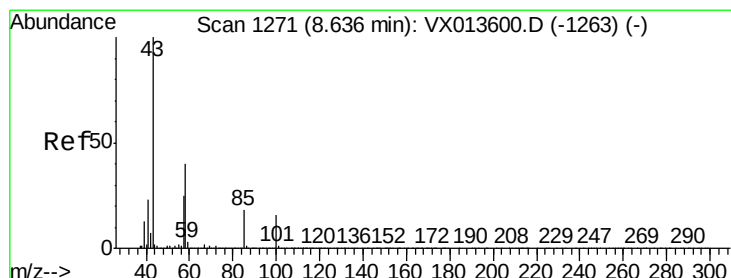
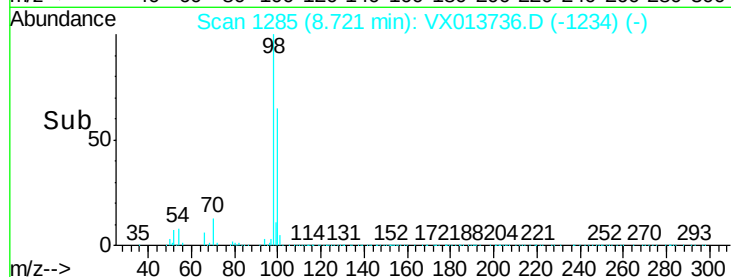
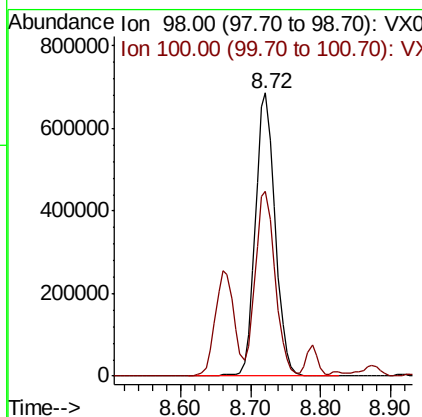
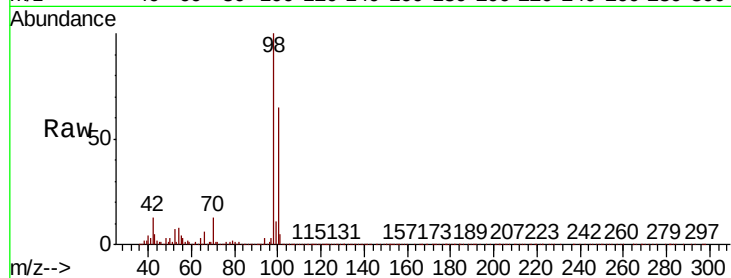
#50
Toluene-d8
Concen: 50.481 ug/l
RT: 8.72 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
30735

Tot Ion: 98 Resp: 1342793
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7

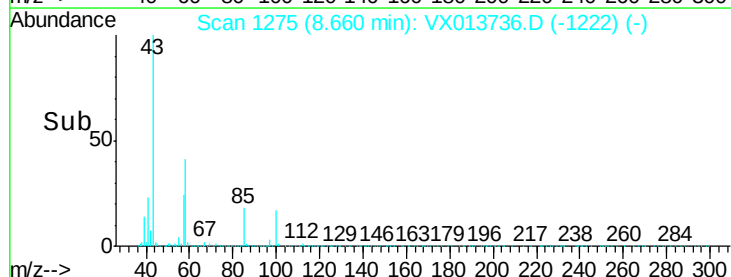
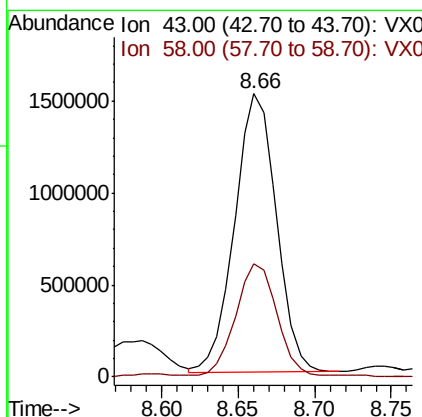
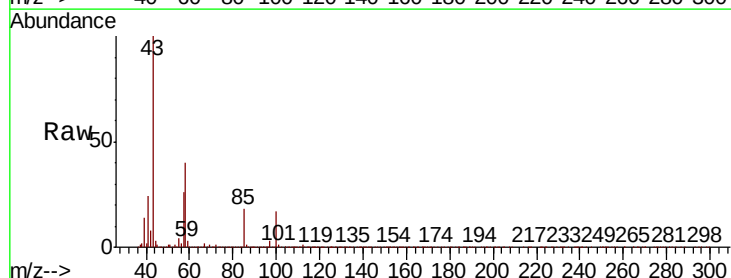
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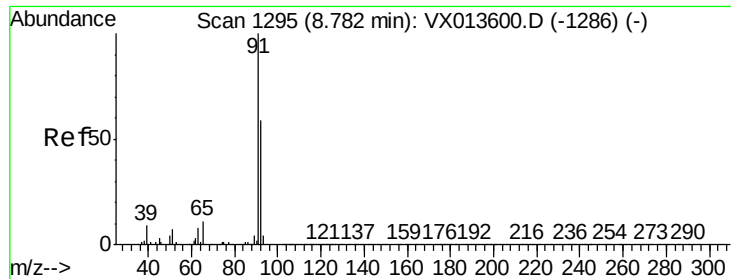
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#51
4-Methyl-2-Pentanone
Concen: 245.420 ug/l
RT: 8.66 min Scan# 1275
Delta R.T. 0.02 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Tgt Ion: 43 Resp: 2858236
Ion Ratio Lower Upper
43 100
58 41.0 32.1 48.1





#52

Toluene

Concen: 1806.925 ug/l m

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

30735

Tot Ion: 92 Resp: 34273269

Ion Ratio Lower Upper

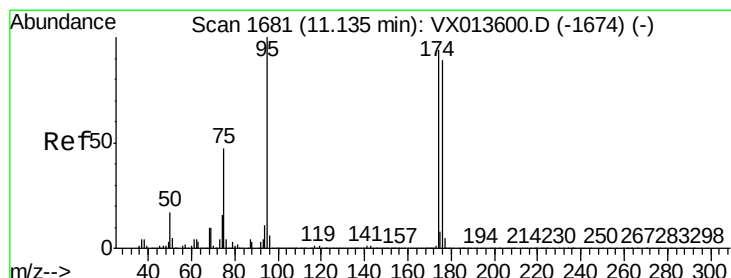
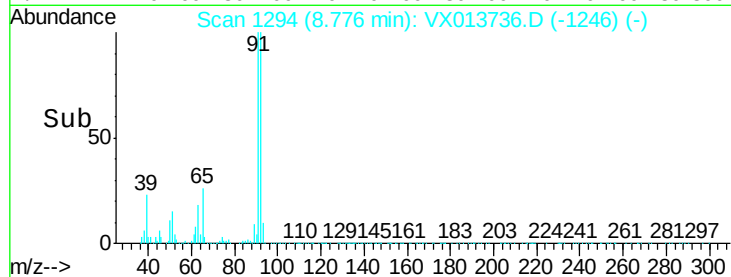
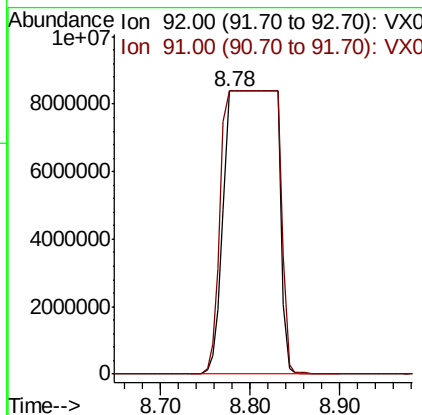
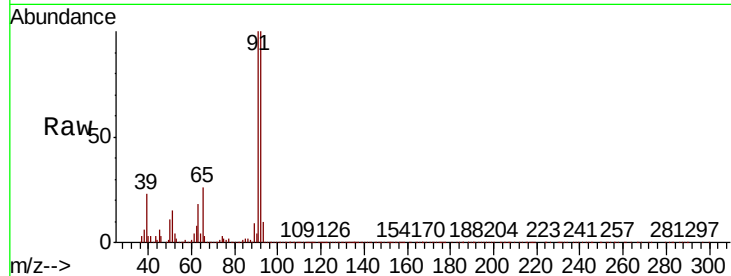
92 100

91 0.0 136.2 204.2#

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#62

4-Bromofluorobenzene

Concen: 50.992 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

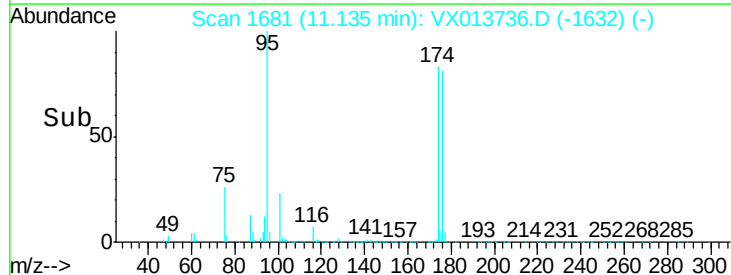
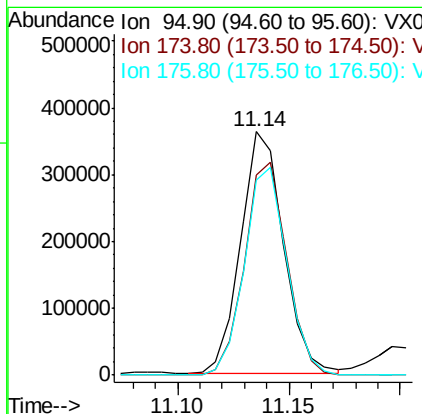
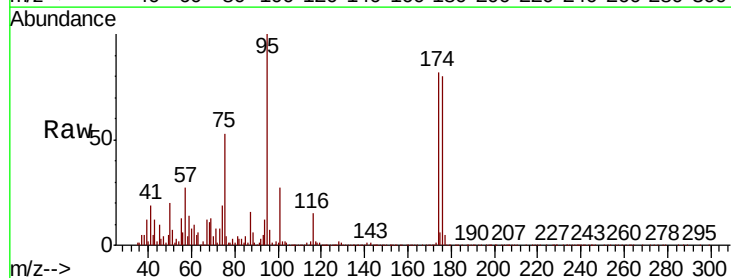
Tgt Ion: 95 Resp: 489113

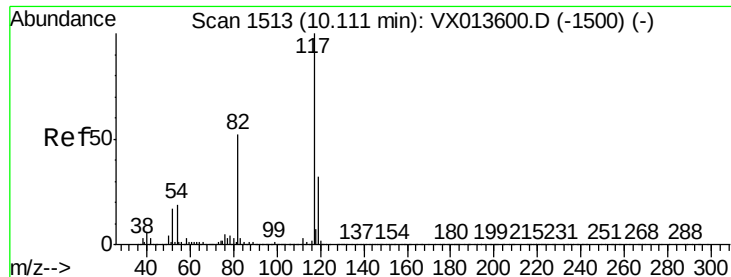
Ion Ratio Lower Upper

95 100

174 86.3 0.0 180.0

176 84.7 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: VX013736.D

Acq: 03 Dec 2019 19:41

Instrument :

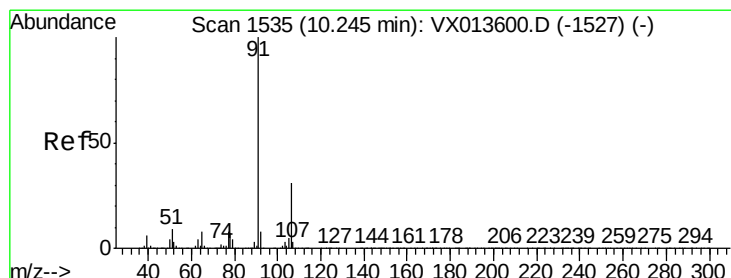
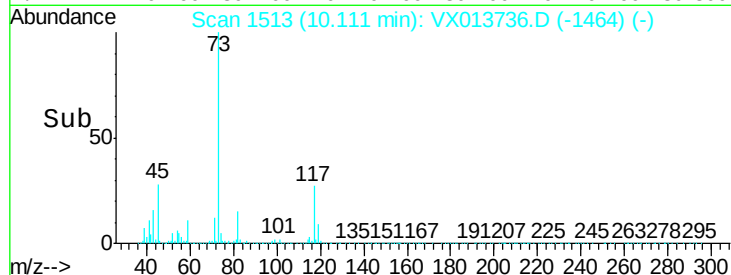
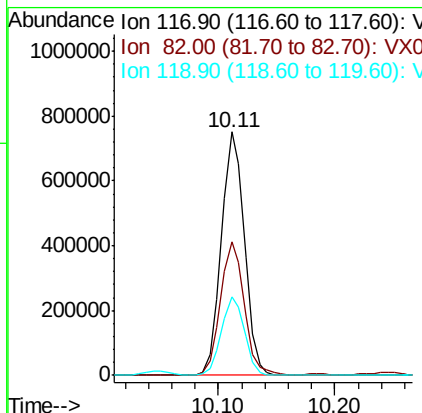
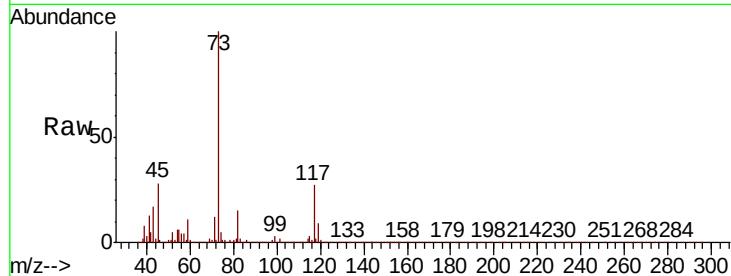
MSVOA_X

ClientSampled :
30735

Tot Ion:	117	Resp:	1024046
Ion	Ratio	Lower	Upper
117	100		
82	54.8	41.8	62.8
119	32.4	25.8	38.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 329.573 ug/l

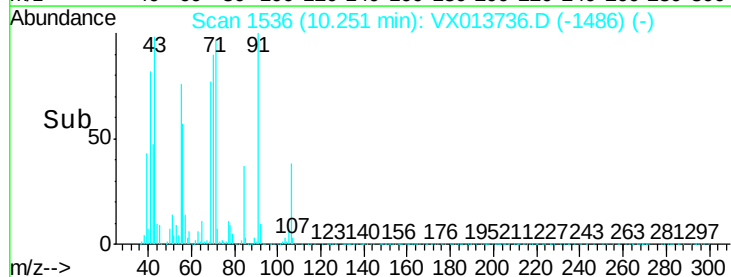
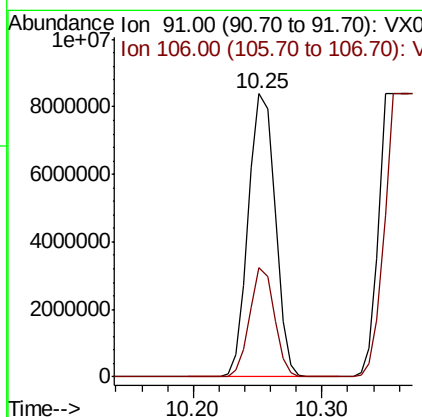
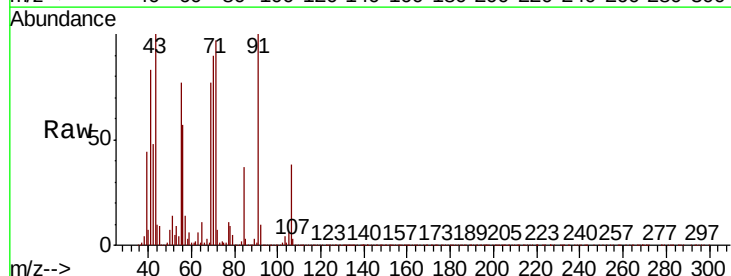
RT: 10.25 min Scan# 1536

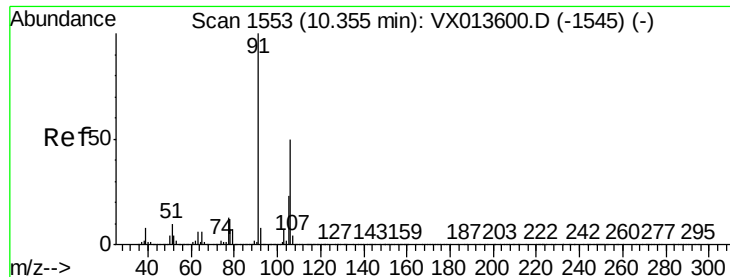
Delta R.T. 0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Tgt Ion:	91	Resp:	12040980
Ion	Ratio	Lower	Upper
91	100		
106	38.4	24.5	36.7#





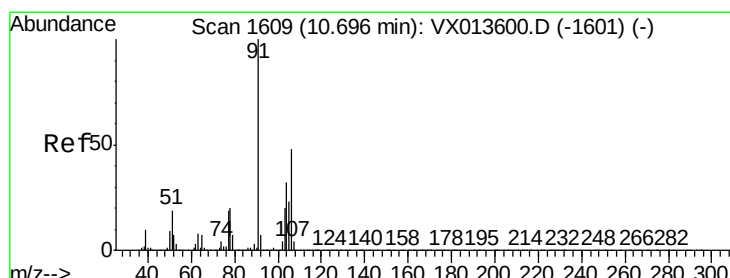
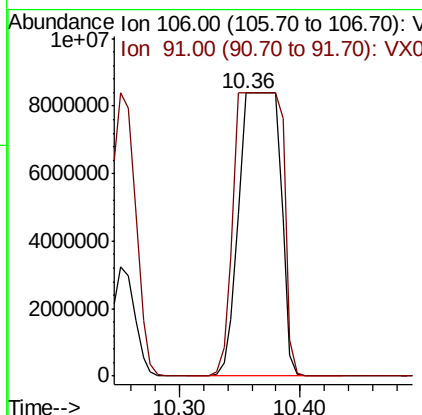
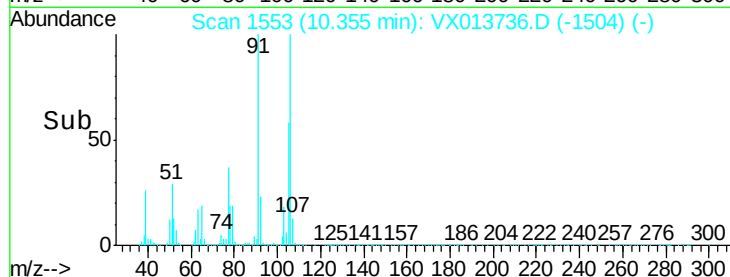
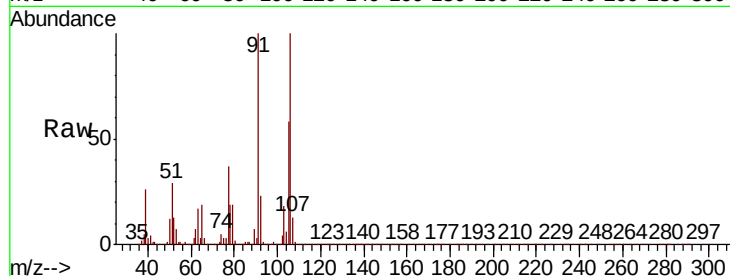
#68
m/p-Xylenes
Concen: 1418.496 ug/l m
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
30735

Tot Ion:106 Resp:19841473
Ion Ratio Lower Upper
106 100
91 60.7 159.0 238.4#

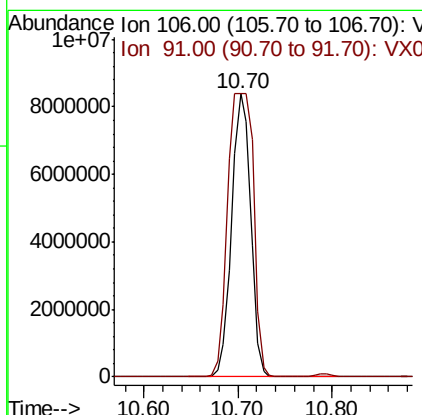
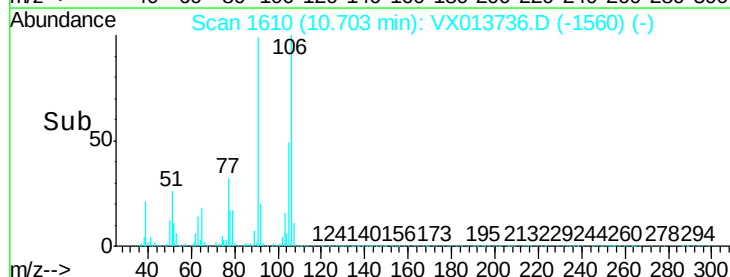
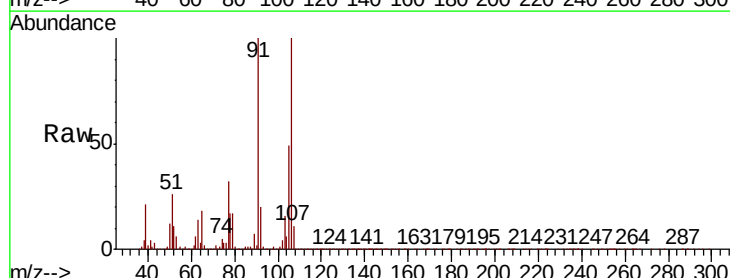
Manual Integrations
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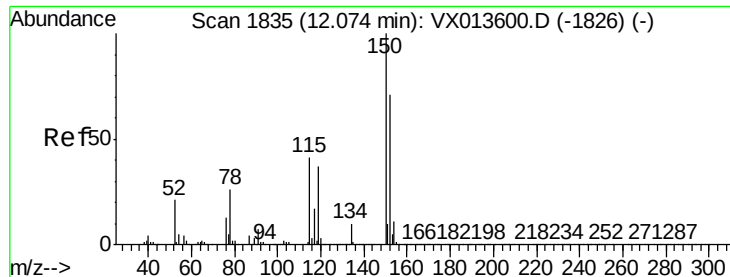
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#69
o-Xylene
Concen: 857.728 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Tgt Ion:106 Resp:11701246
Ion Ratio Lower Upper
106 100
91 136.5 104.1 312.2





#72

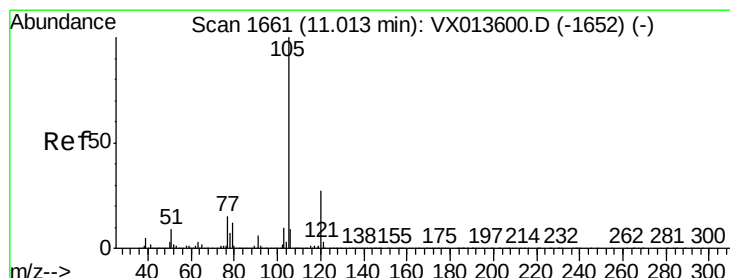
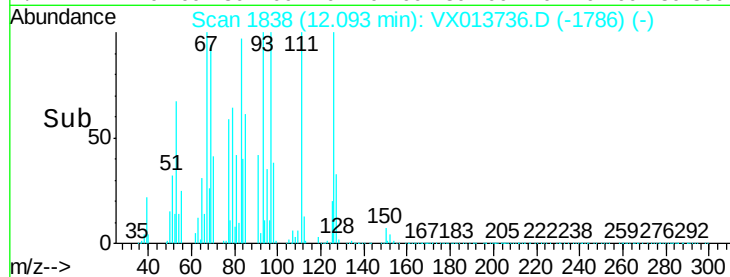
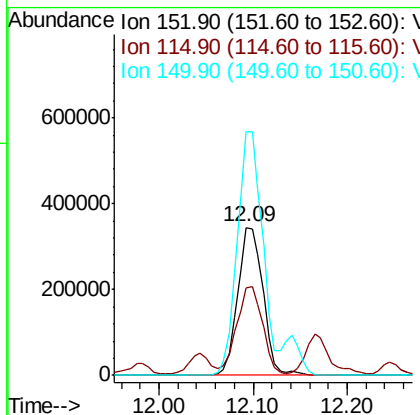
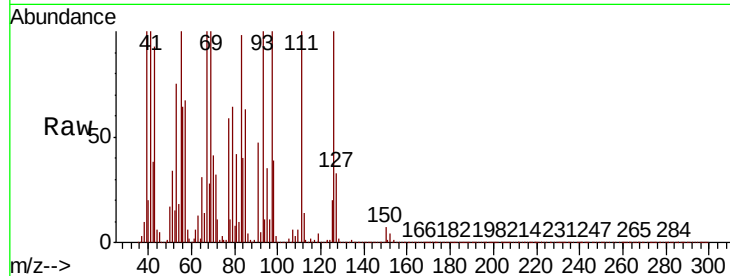
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.02 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Instrument :
MSVOA_X
ClientSampled :
30735

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	38.4	115.1
150	166.0	0.0	346.8

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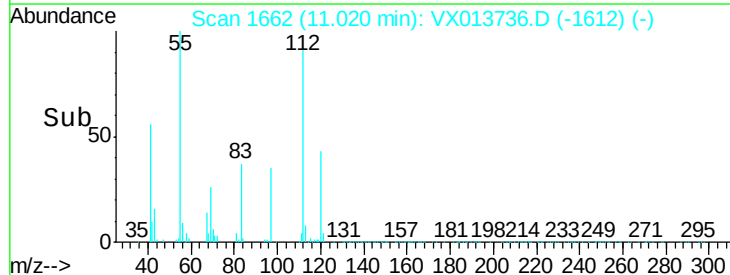
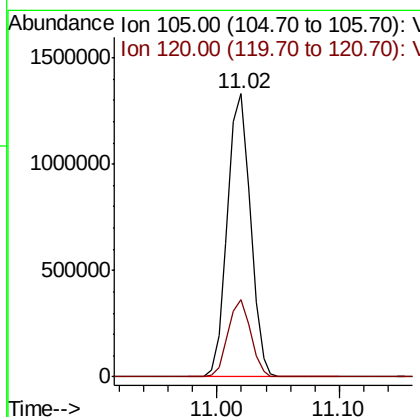
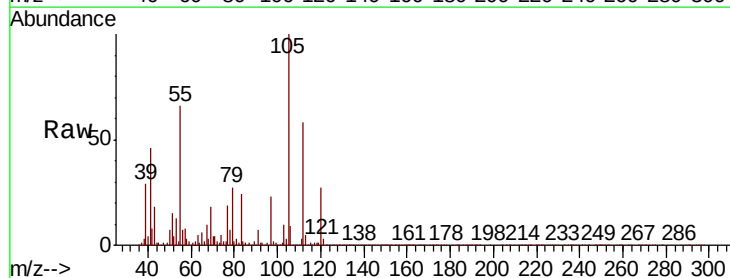
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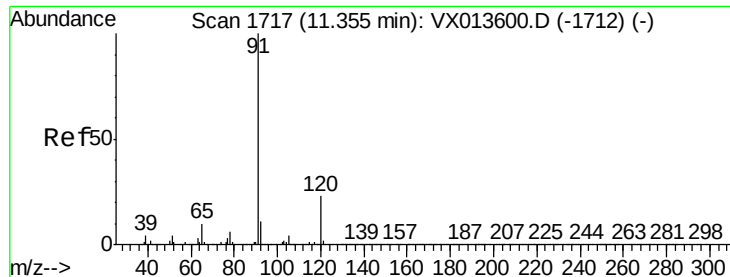


#73

Isopropylbenzene
Concen: 38.320 ug/l
RT: 11.02 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX013736.D
Acq: 03 Dec 2019 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5





#78

n-propylbenzene

Concen: 35.302 ug/l

RT: 11.36 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Instrument :

MSVOA_X

ClientSampled :
30735

Tot Ion: 91 Resp: 1781245

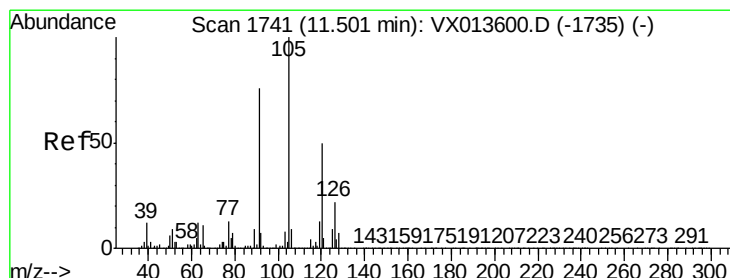
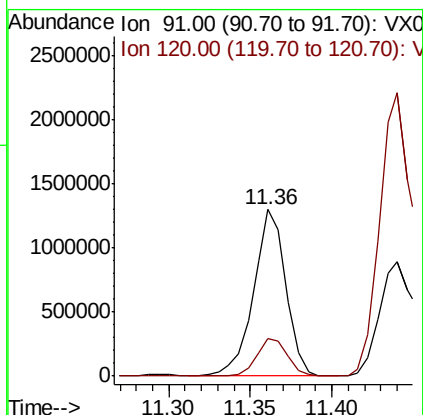
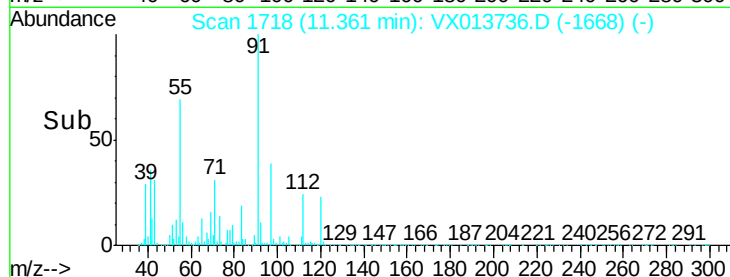
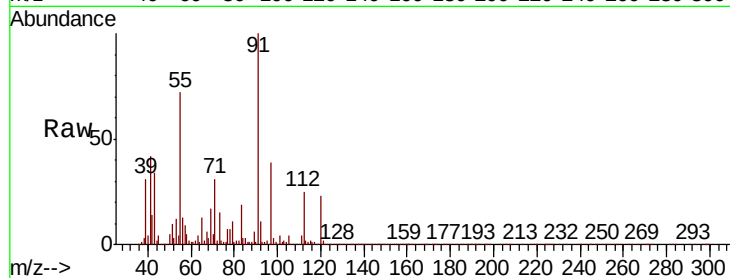
Ion Ratio Lower Upper

91 100

120 21.6 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 198.806 ug/l

RT: 11.51 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VX013736.D

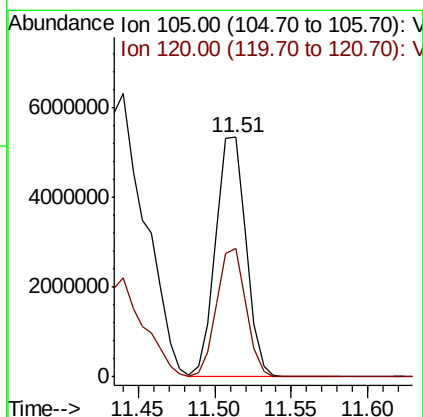
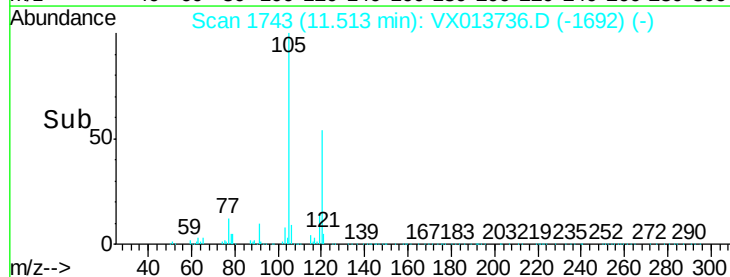
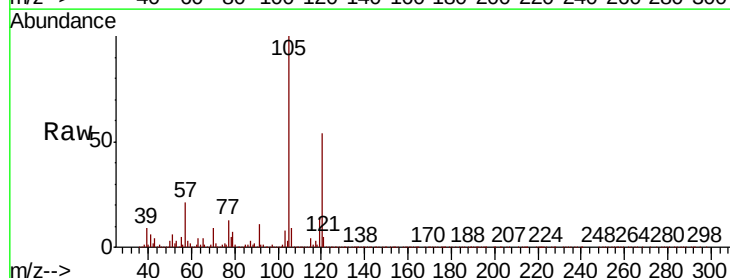
Acq: 03 Dec 2019 19:41

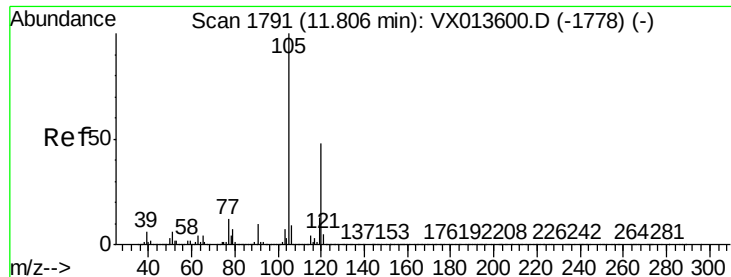
Tgt Ion: 105 Resp: 7364812

Ion Ratio Lower Upper

105 100

120 51.7 25.3 75.9





#84

1,2,4-Trimethylbenzene

Concen: 338.420 ug/l

RT: 11.81 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

30735

Tot Ion:105 Resp:12723654

Ion Ratio Lower Upper

105 100

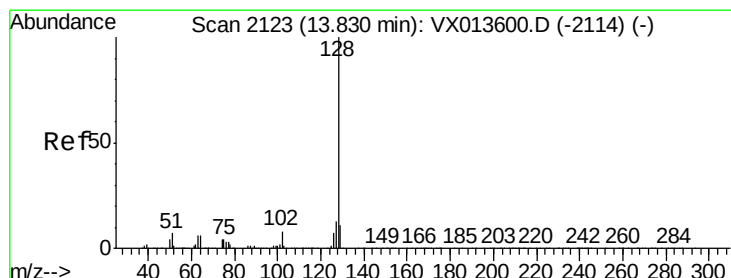
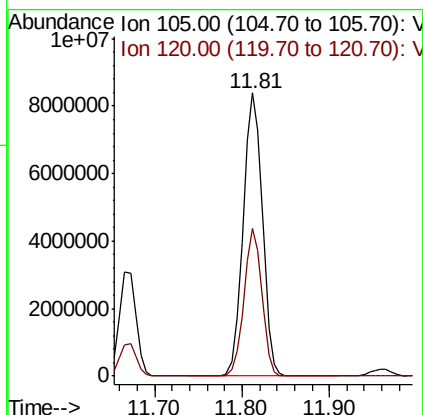
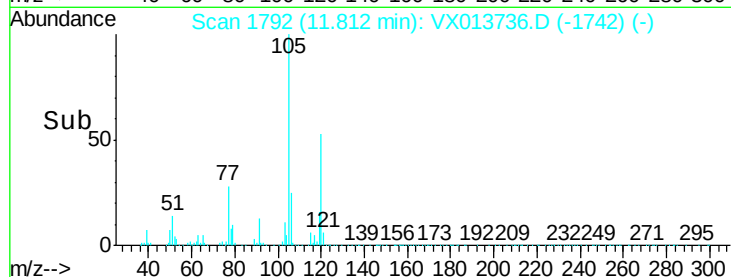
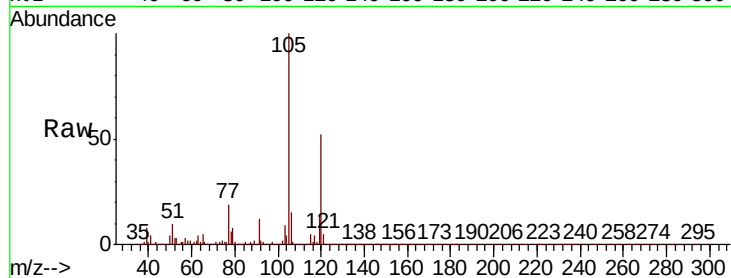
120 48.8 23.1 69.3

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#95

Naphthalene

Concen: 15.305 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013736.D

Acq: 03 Dec 2019 19:41

Tgt Ion:128 Resp: 668044

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 12.6 8.7 13.1

