

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112719\
 Data File : VX013675.D
 Acq On : 28 Nov 2019 01:11
 Operator : JC/SP
 Sample : K6027-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Manual Integrations
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Quant Time: Dec 10 14:20:52 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	673873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1050238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	473432	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	379965	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	5.49	113	313859	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.71	98	1284097	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.14	95	452673	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.19	73	13206	0.622	ug/l	98
39) Methylcyclohexane	7.46	83	261913	22.226	ug/l	98
40) Benzene	6.14	78	163920	5.645	ug/l	100
44) Trichloroethene	7.22	130	3975	0.499	ug/l	74
52) Toluene	8.78	92	40348	2.237	ug/l	96
67) Ethyl Benzene	10.25	91	10184845	295.565	ug/l	92
68) m/p-Xylenes	10.36	106	474279	35.950	ug/l	100
69) o-Xylene	10.70	106	313040	24.329	ug/l	96
73) Isopropylbenzene	11.01	105	3852533	116.007	ug/l	99
78) n-propylbenzene	11.35	91	3578959	96.541	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	2671834	98.164	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	12391583	448.585	ug/l	85
85) sec-Butylbenzene	11.94	105	125363m	3.968	ug/l	
86) p-Isopropyltoluene	12.06	119	389284m	13.244	ug/l	
95) Naphthalene	13.82	128	21763552m	678.622	ug/l	

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

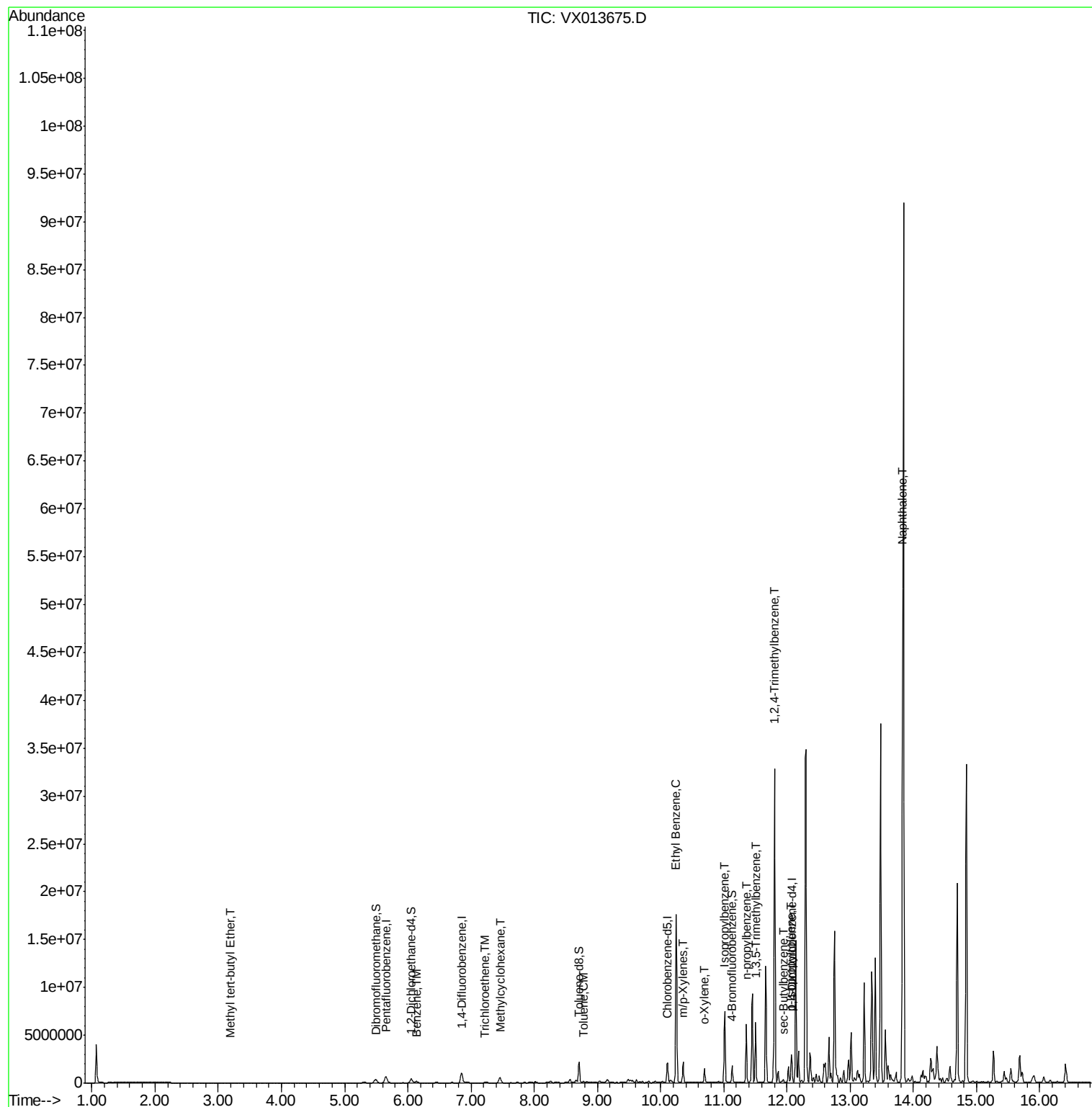
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112719\
Data File : VX013675.D
Acq On : 28 Nov 2019 01:11
Operator : JC/SP
Sample : K6027-09
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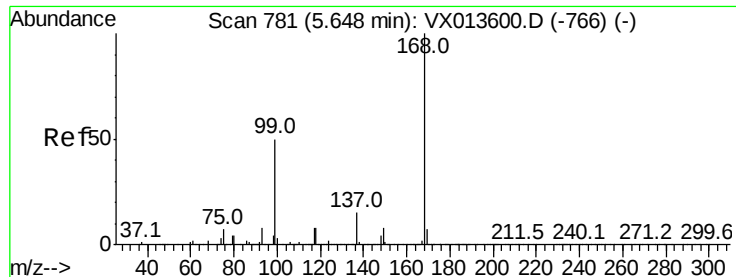
Instrument :
MSVOA_X
ClientSampleId :
MW-12

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Quant Time: Dec 10 14:20:52 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





#1

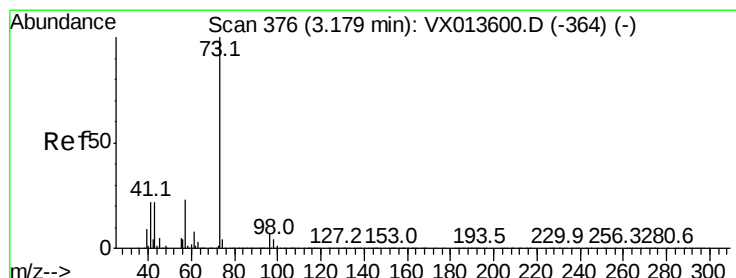
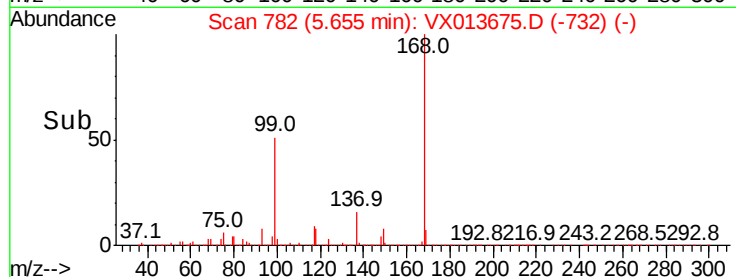
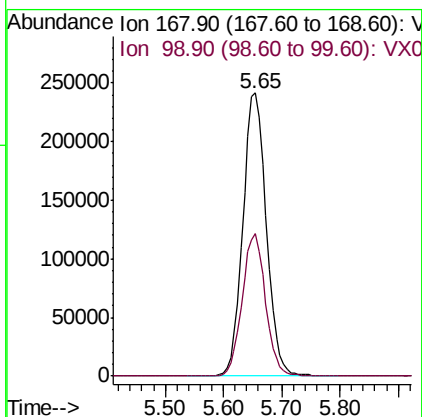
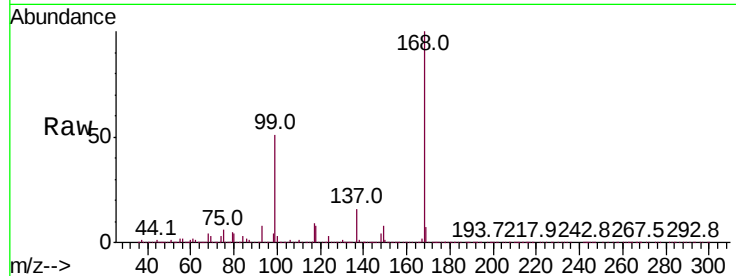
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013675.D
Acq: 28 Nov 2019 01:11

Instrument :
MSVOA_X
ClientSampled :
MW-12

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.5	39.8	59.8

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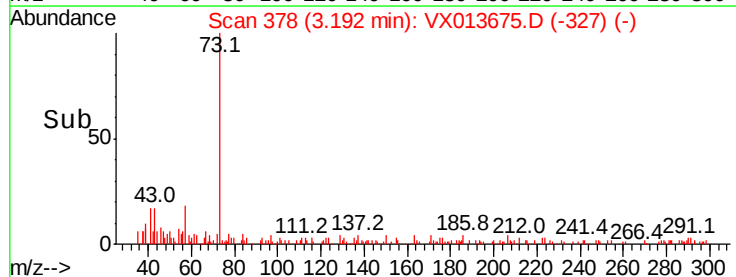
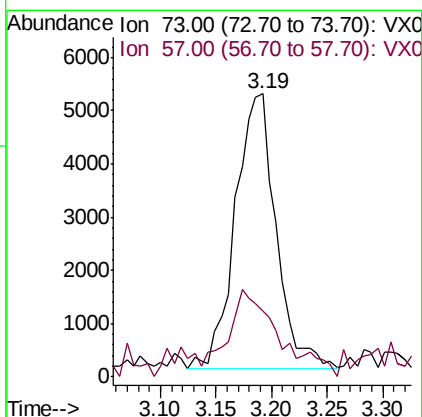
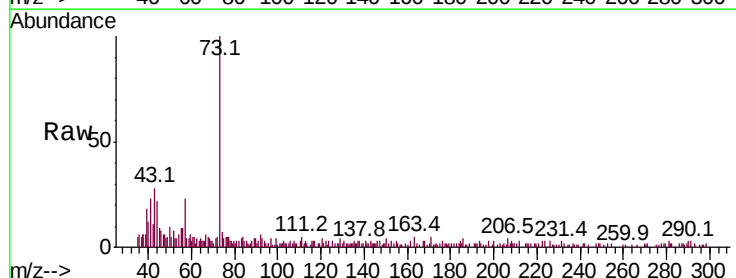
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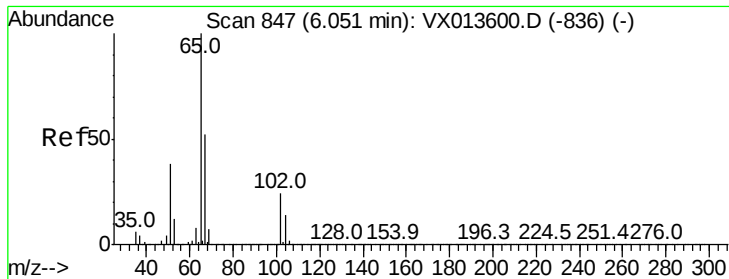


#19

Methyl tert-butyl Ether
Concen: 0.622 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX013675.D
Acq: 28 Nov 2019 01:11

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.3	27.5





#33

1,2-Dichloroethane-d4

Concen: 48.576 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

MW-12

Tot Ion: 65 Resp: 379965

Ion Ratio Lower Upper

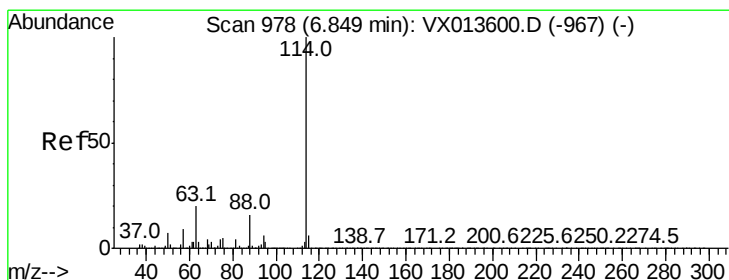
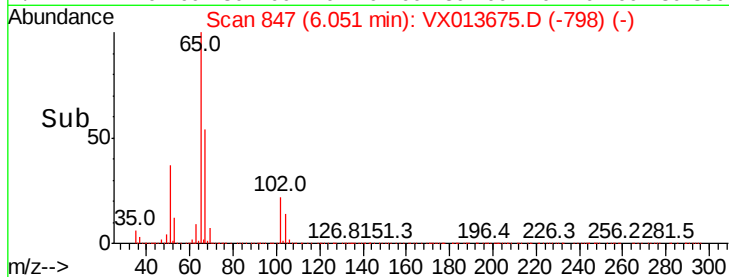
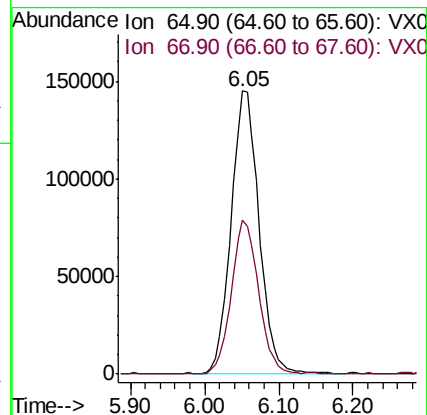
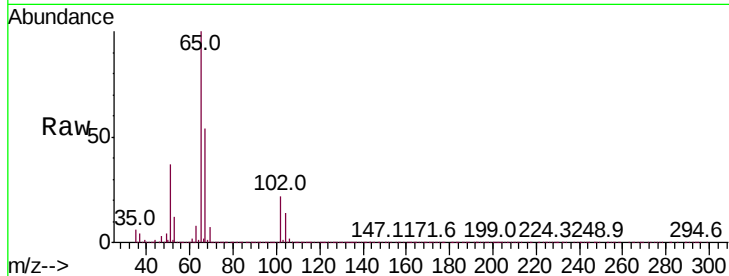
65 100

67 52.9 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: VX013675.D

Acq: 28 Nov 2019 01:11

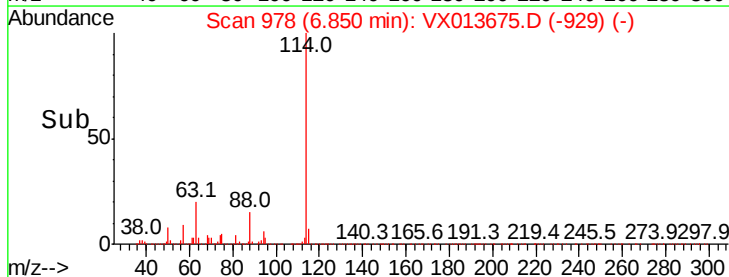
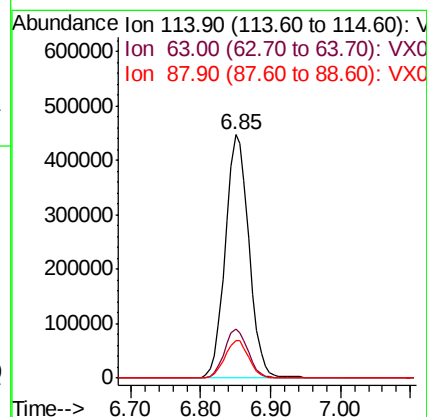
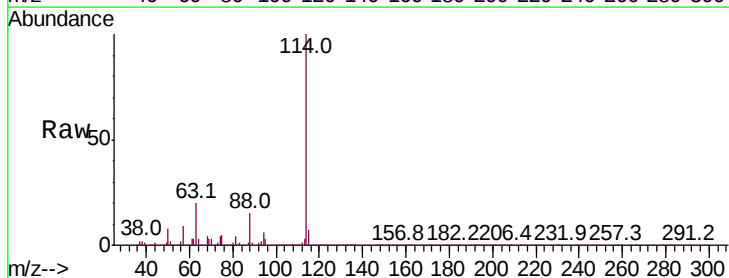
Tgt Ion: 114 Resp: 1050238

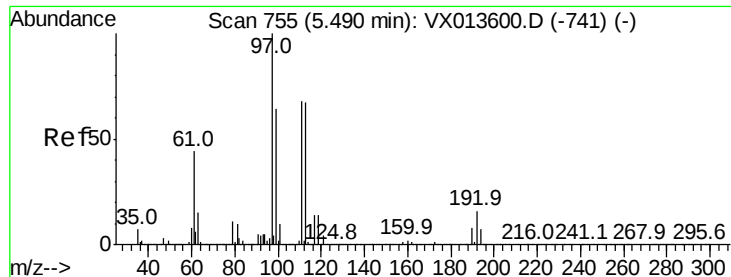
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.340 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Instrument :

MSVOA_X

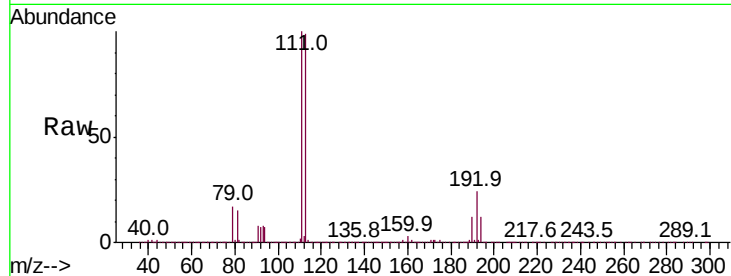
ClientSampleId :

MW-12

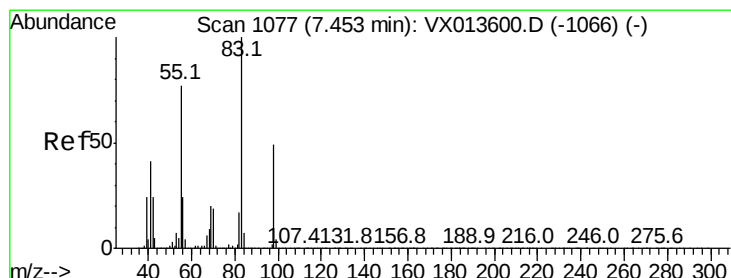
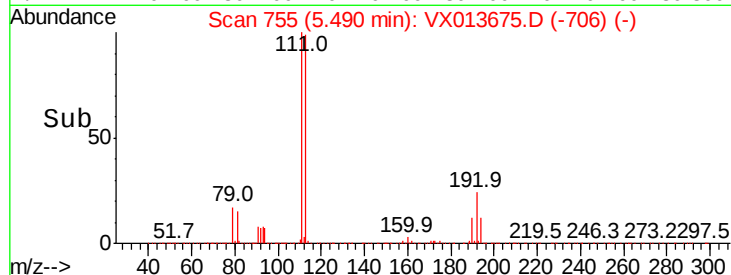
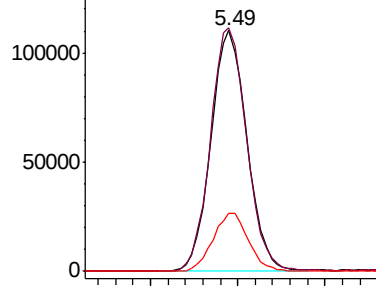
Tot Ion:	113	Resp:	313859
Ion Ratio	Lower	Upper	
113	100		
111	101.6	83.6	125.4
192	24.0	19.2	28.8

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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

Methylcyclohexane

Concen: 22.226 ug/l

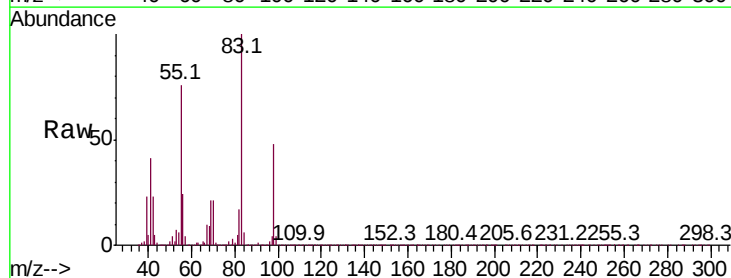
RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

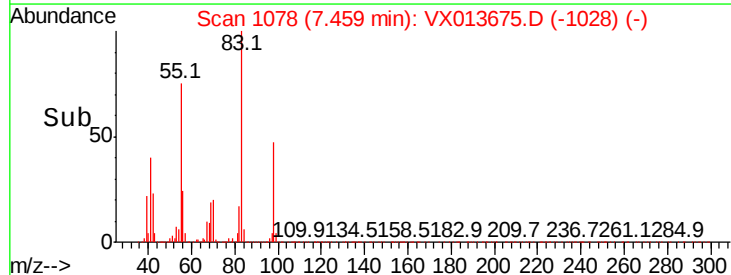
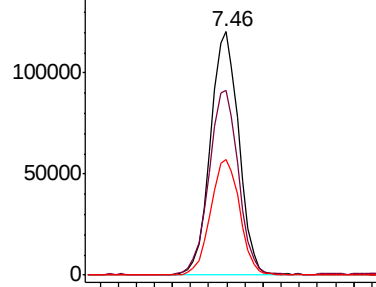
Lab File: VX013675.D

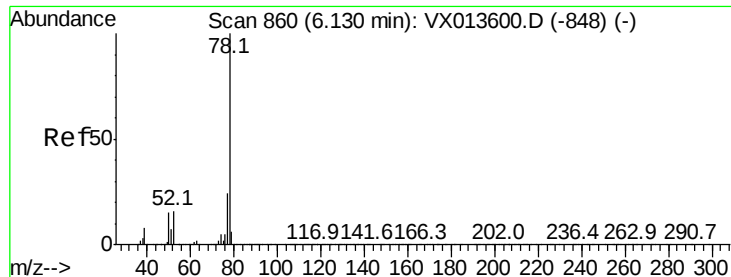
Acq: 28 Nov 2019 01:11

Tgt Ion:	83	Resp:	261913
Ion Ratio	Lower	Upper	
83	100		
55	75.7	61.9	92.9
98	47.7	39.4	59.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 5.645 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Instrument :

MSVOA_X

ClientSampled :

MW-12

Tot Ion: 78 Resp: 163920

Ion Ratio Lower Upper

78 100

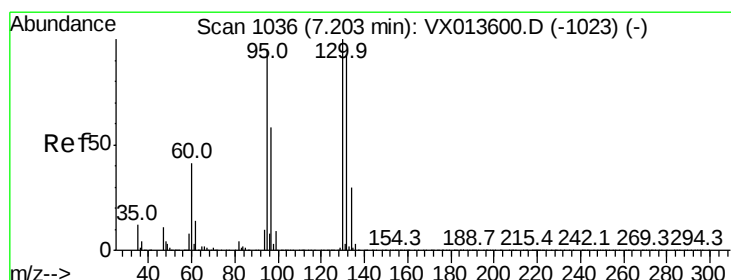
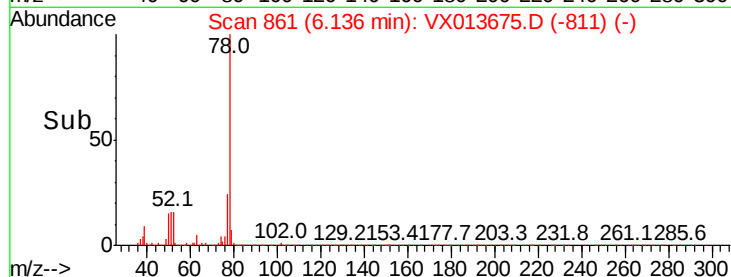
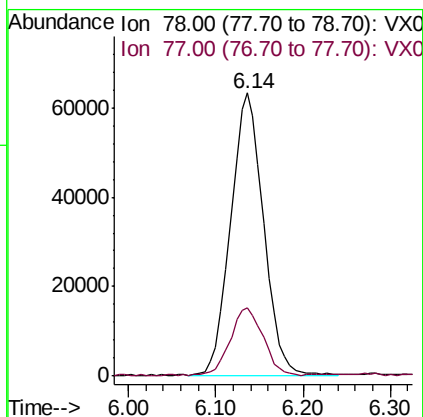
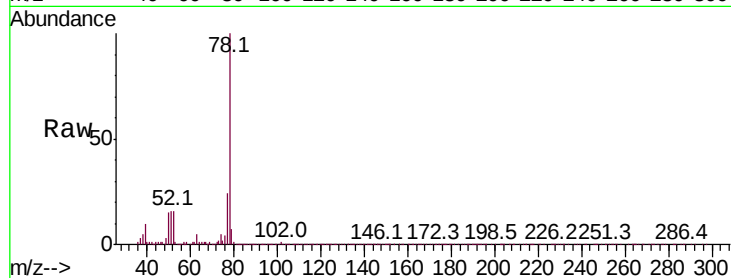
77 23.9 19.0 28.4

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#44

Trichloroethene

Concen: 0.499 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013675.D

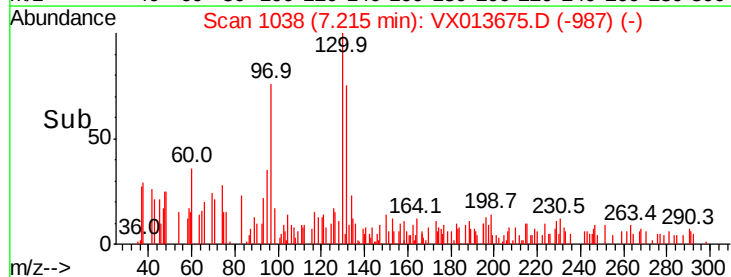
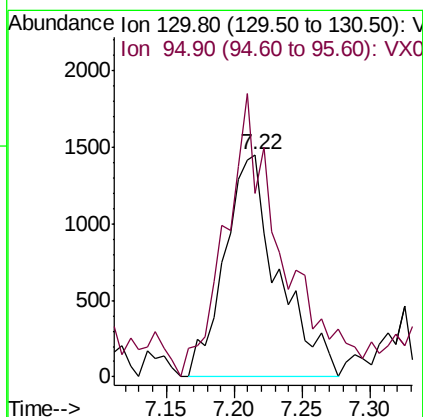
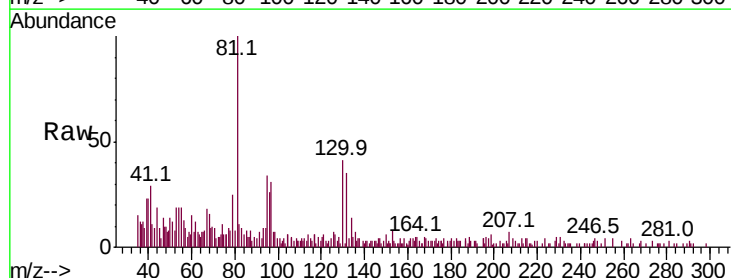
Acq: 28 Nov 2019 01:11

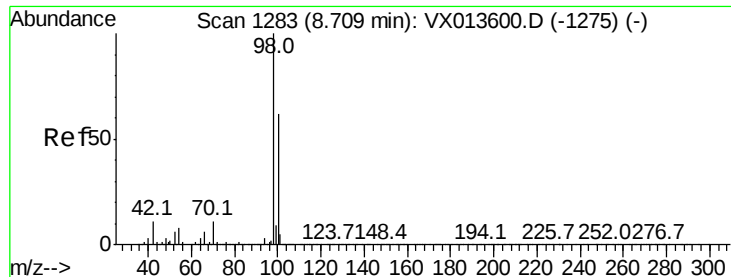
Tgt Ion:130 Resp: 3975

Ion Ratio Lower Upper

130 100

95 69.8 0.0 190.8





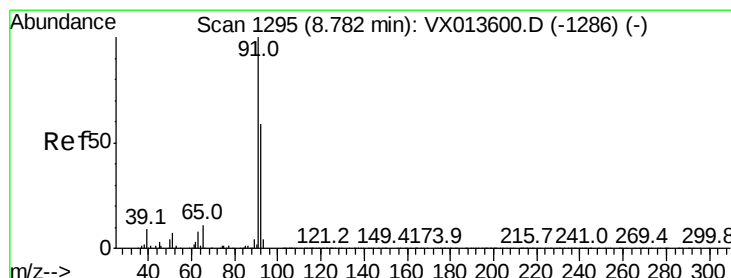
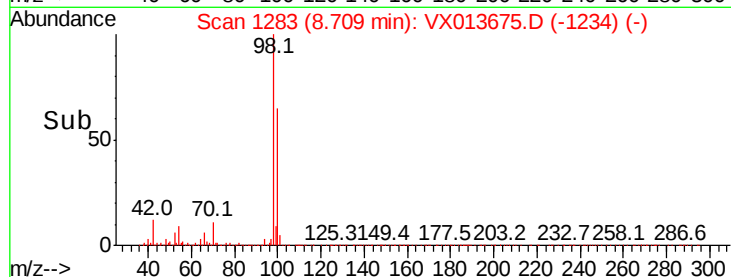
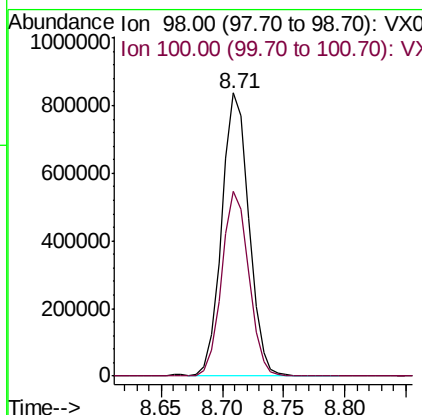
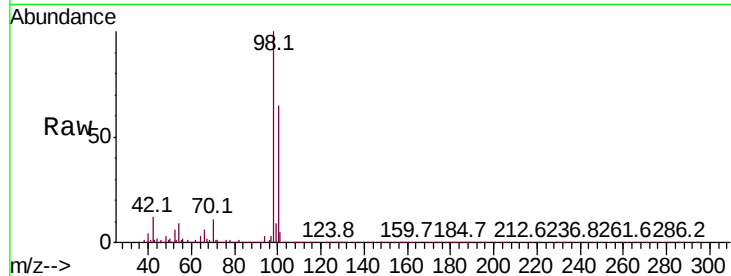
#50
Toluene-d8
Concen: 50.762 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013675.D
Acq: 28 Nov 2019 01:11

Instrument :
MSVOA_X
ClientSampleId :
MW-12

Tot Ion: 98 Resp: 1284097
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7

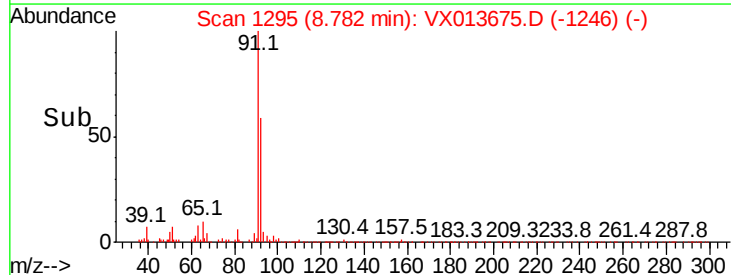
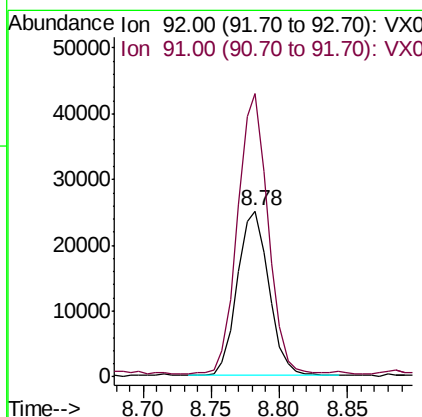
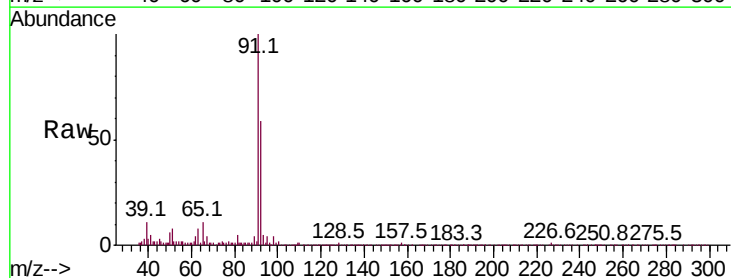
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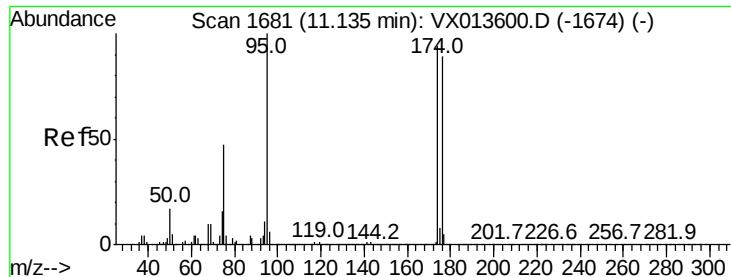
apatel
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#52
Toluene
Concen: 2.237 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013675.D
Acq: 28 Nov 2019 01:11

Tgt Ion: 92 Resp: 40348
Ion Ratio Lower Upper
92 100
91 164.5 136.2 204.2





#62

4-Bromofluorobenzene

Concen: 49.625 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Instrument :

MSVOA_X

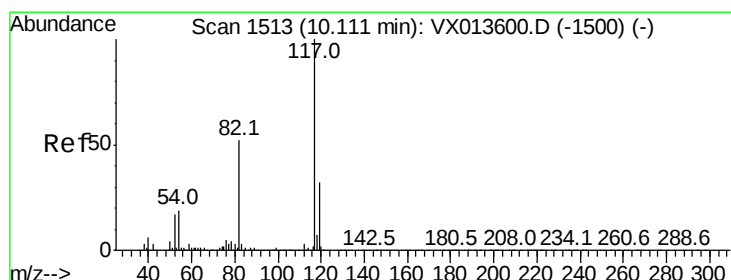
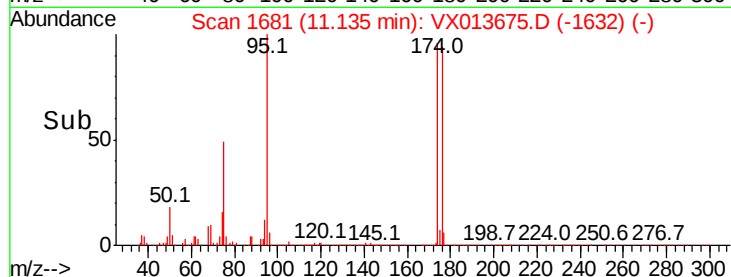
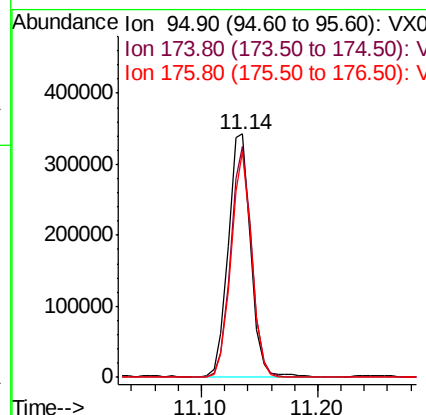
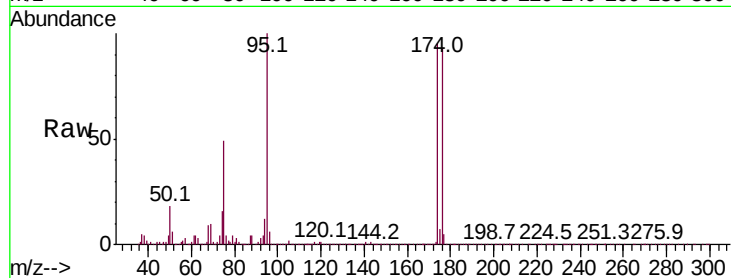
ClientSampleId :

MW-12

Tot Ion:	95	Resp:	452673
Ion Ratio	Lower	Upper	
95	100		
174	89.7	0.0	180.0
176	85.9	0.0	173.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

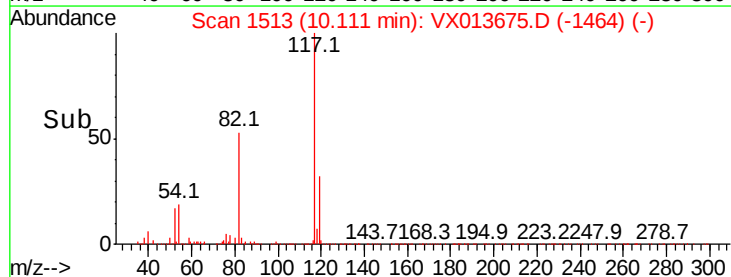
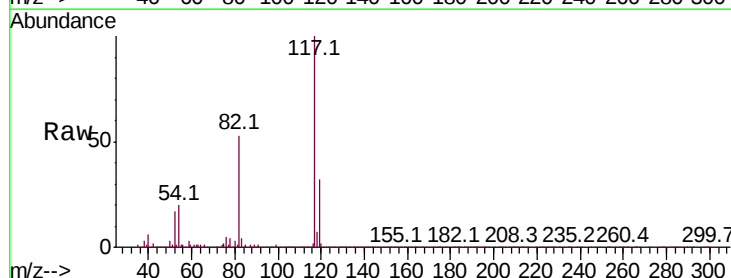
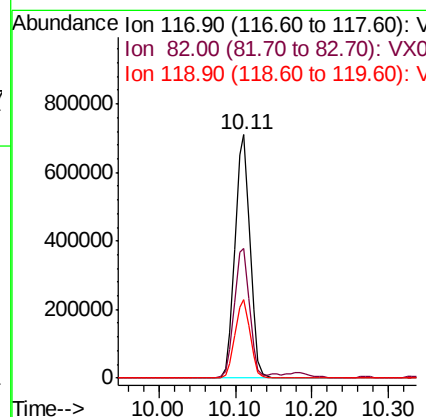
RT: 10.11 min Scan# 1513

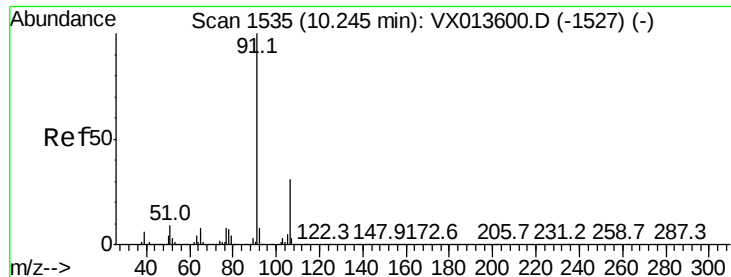
Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Tgt Ion:	117	Resp:	965850
Ion Ratio	Lower	Upper	
117	100		
82	53.1	41.8	62.8
119	32.3	25.8	38.8





#67

Ethyl Benzene

Concen: 295.565 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Instrument :

MSVOA_X

ClientSampled :

MW-12

Tot Ion: 91 Resp: 10184845

Ion Ratio Lower Upper

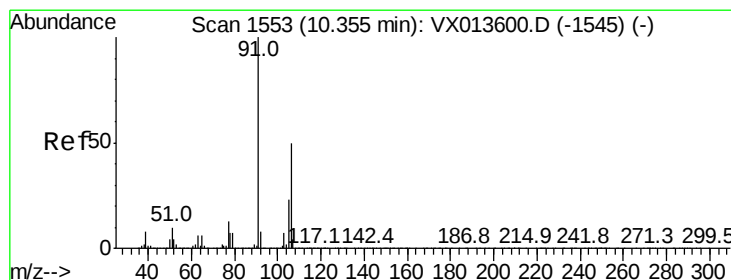
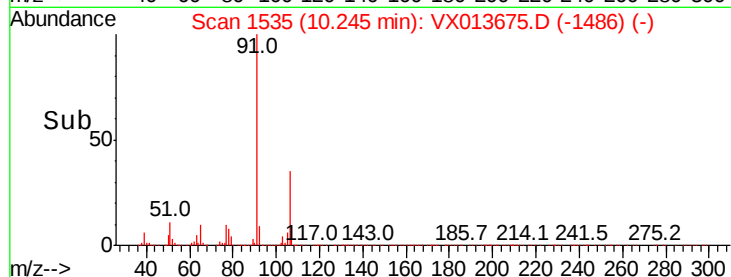
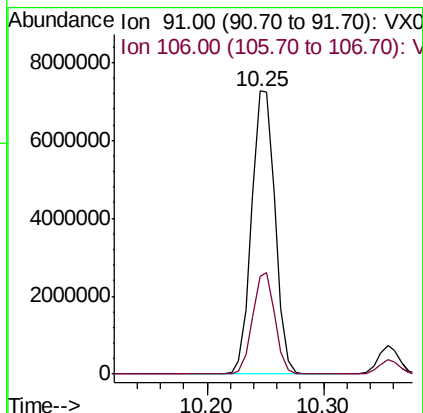
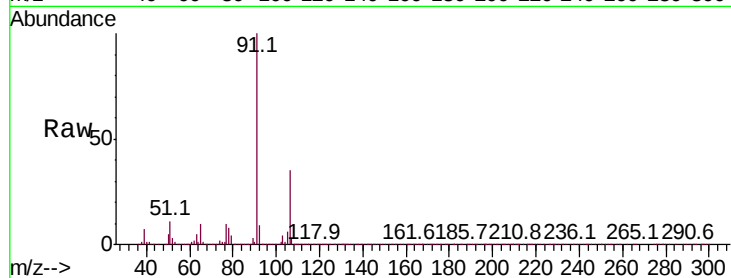
91 100

106 34.7 24.5 36.7

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#68

m/p-Xylenes

Concen: 35.950 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013675.D

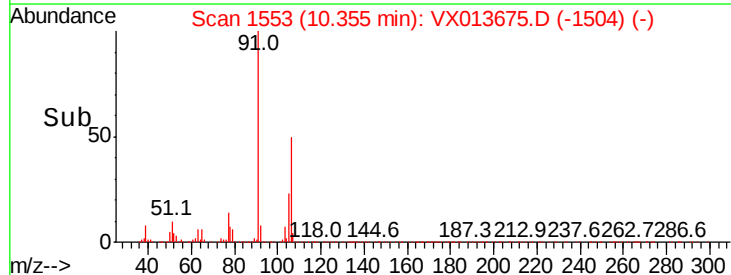
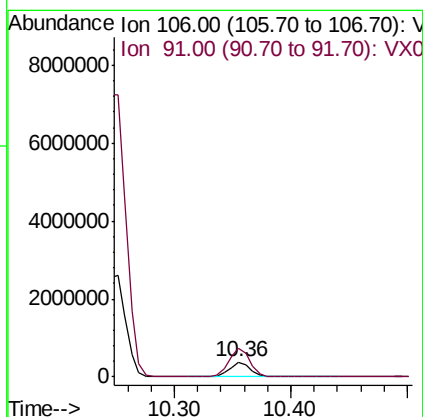
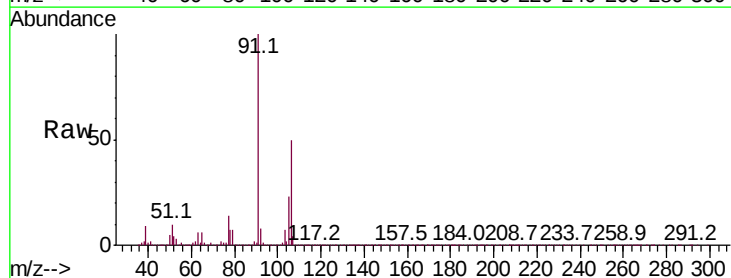
Acq: 28 Nov 2019 01:11

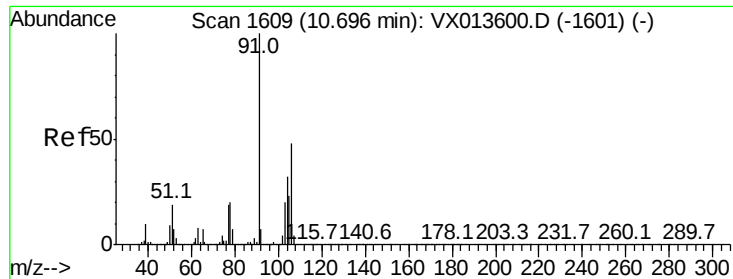
Tgt Ion: 106 Resp: 474279

Ion Ratio Lower Upper

106 100

91 199.0 159.0 238.4





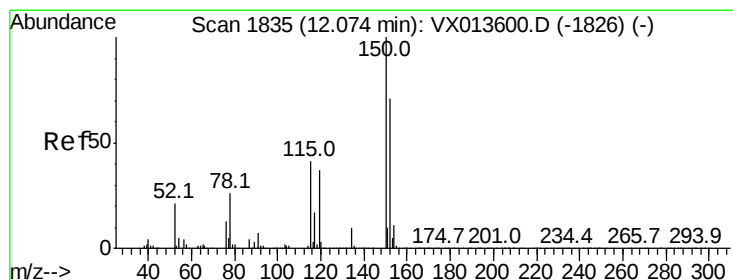
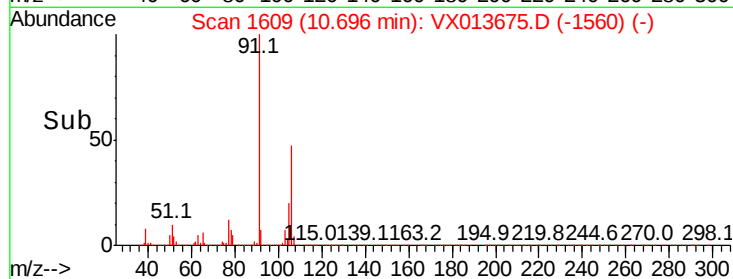
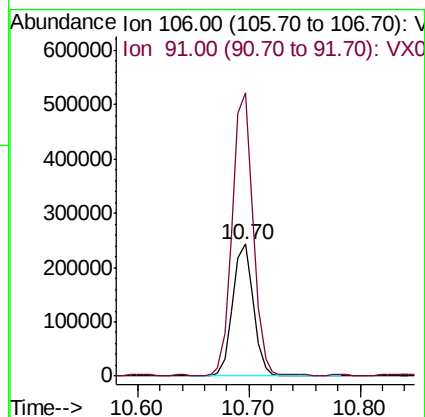
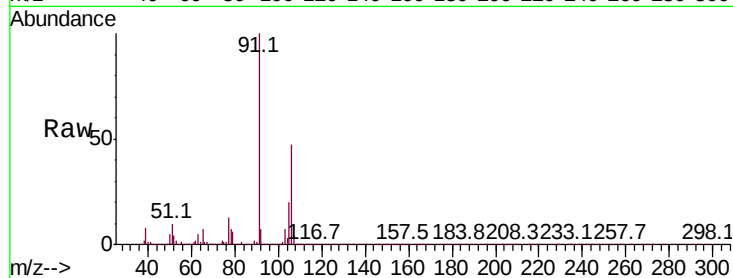
#69
o-Xylene
Concen: 24.329 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013675.D
Acq: 28 Nov 2019 01:11

Instrument :
MSVOA_X
Client Sampled :
MW-12

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.5	104.1	312.2

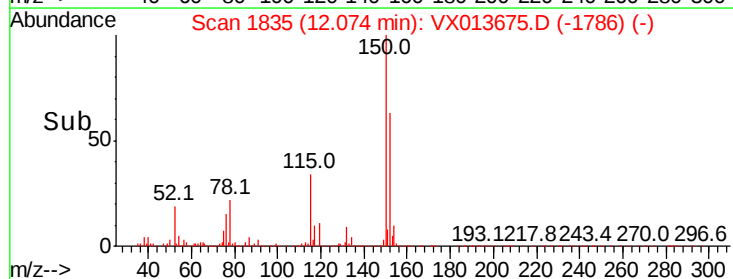
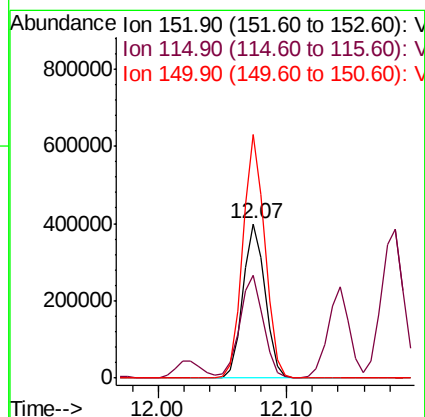
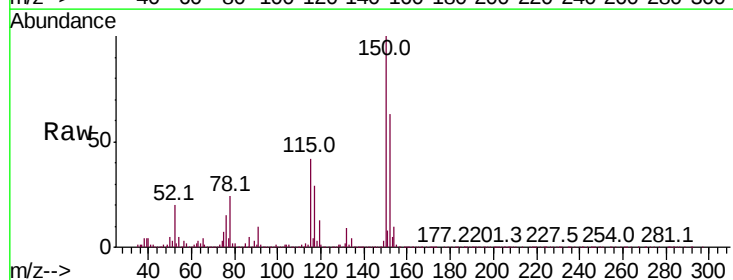
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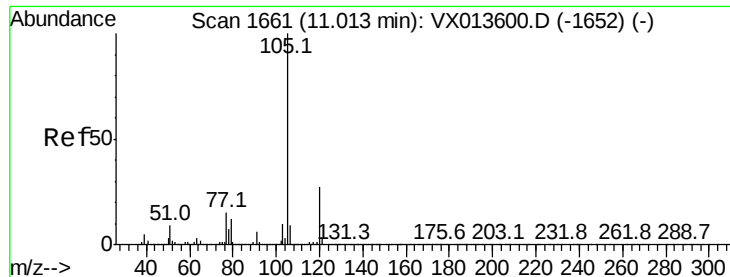
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013675.D
Acq: 28 Nov 2019 01:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.3	38.4	115.1
150	156.6	0.0	346.8





#73

Isopropylbenzene

Concen: 116.007 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

MW-12

Tot Ion:105 Resp: 3852533

Ion Ratio Lower Upper

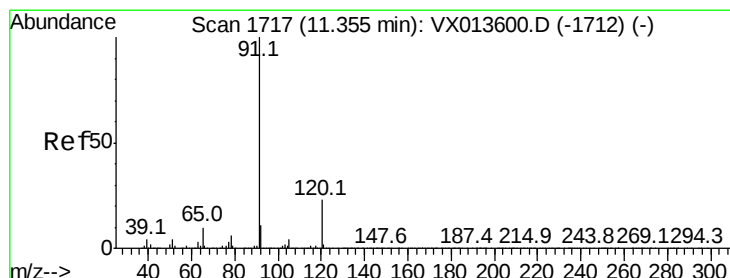
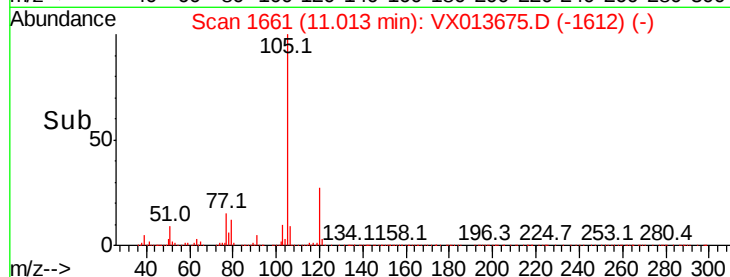
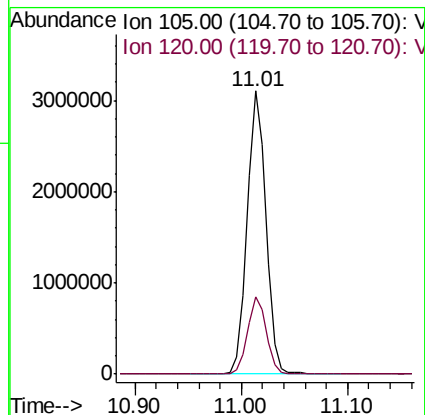
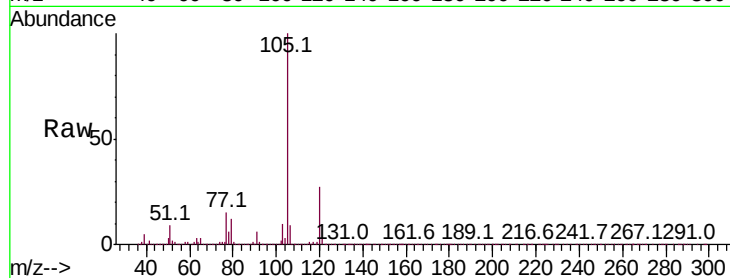
105 100

120 27.3 13.5 40.5

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#78

n-propylbenzene

Concen: 96.541 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013675.D

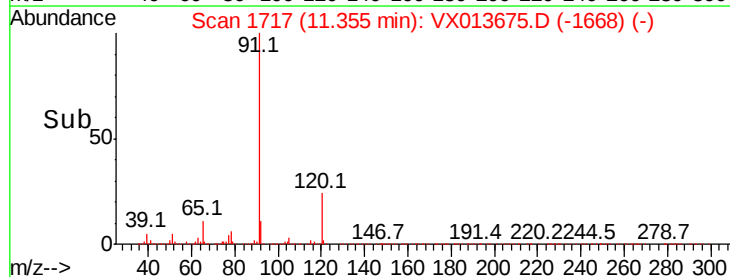
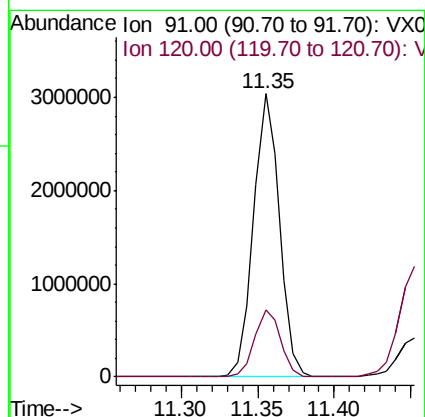
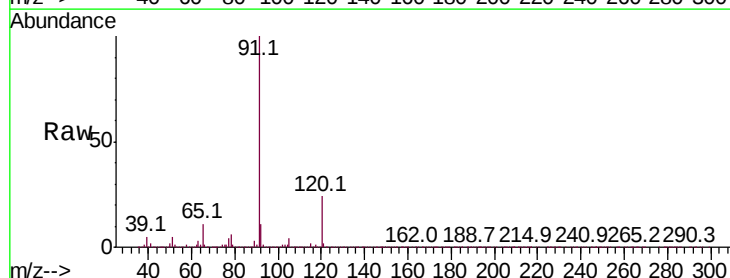
Acq: 28 Nov 2019 01:11

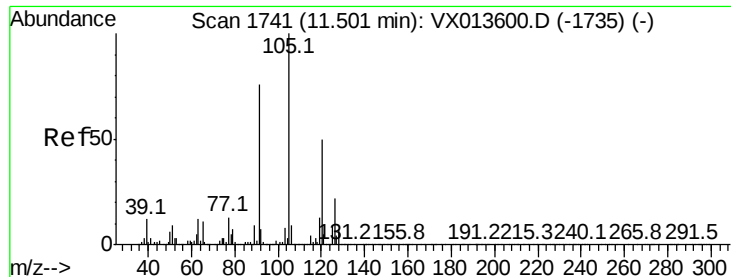
Tgt Ion: 91 Resp: 3578959

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.3





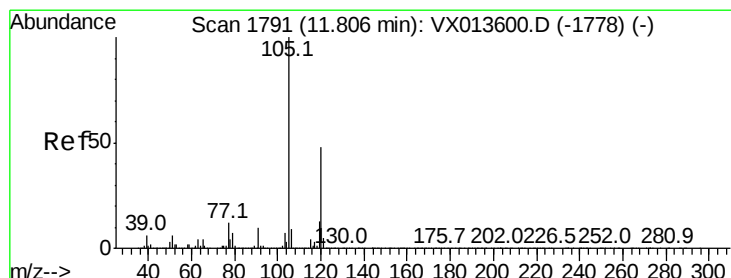
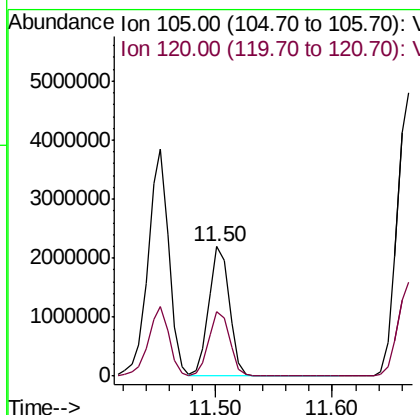
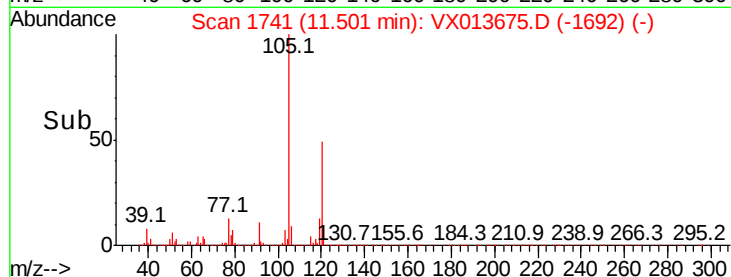
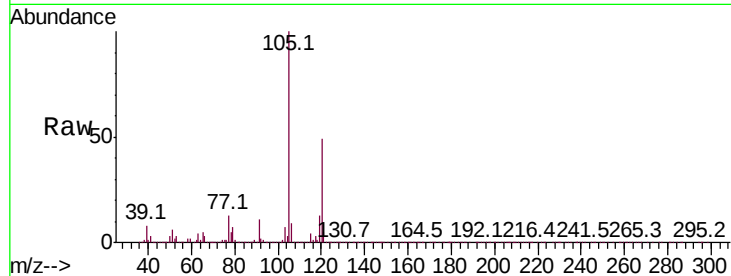
#80
 1,3,5-Trimethylbenzene
 Concen: 98.164 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013675.D
 Acq: 28 Nov 2019 01:11

Instrument :
 MSVOA_X
 ClientSampled :
 MW-12

Tot Ion:105 Resp: 2671834
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.3 75.9

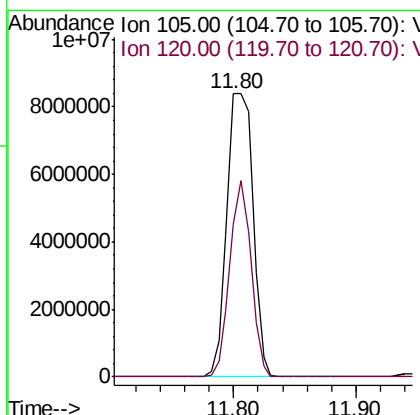
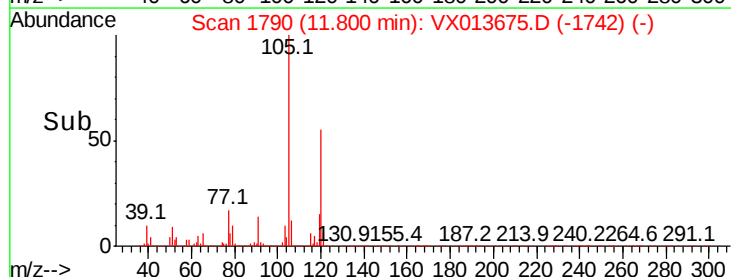
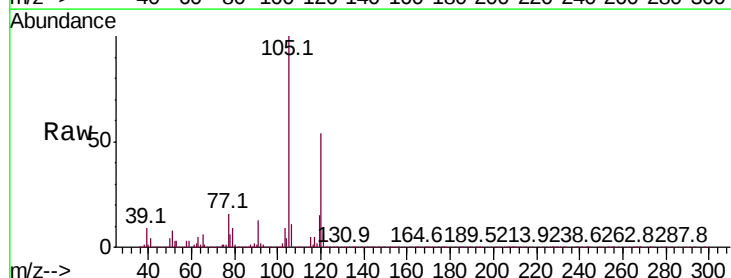
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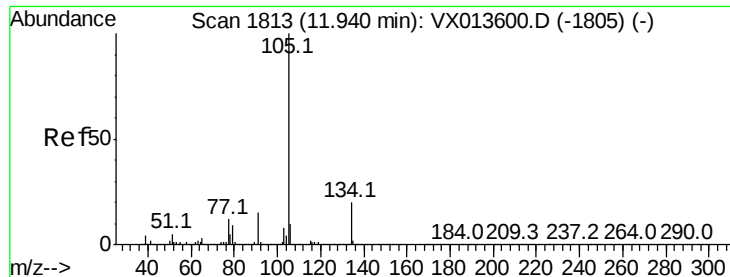
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#84
 1,2,4-Trimethylbenzene
 Concen: 448.585 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013675.D
 Acq: 28 Nov 2019 01:11

Tgt Ion:105 Resp:12391583
 Ion Ratio Lower Upper
 105 100
 120 56.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 3.968 ug/l m

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

Instrument :

MSVOA_X

ClientSampled :

MW-12

Tot Ion:105 Resp: 125363

Ion Ratio Lower Upper

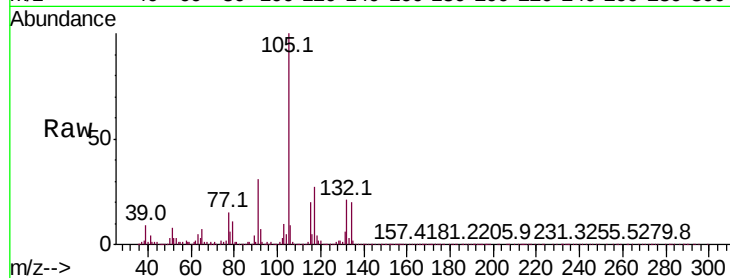
105 100

134 0.0 10.4 31.2#

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

40000

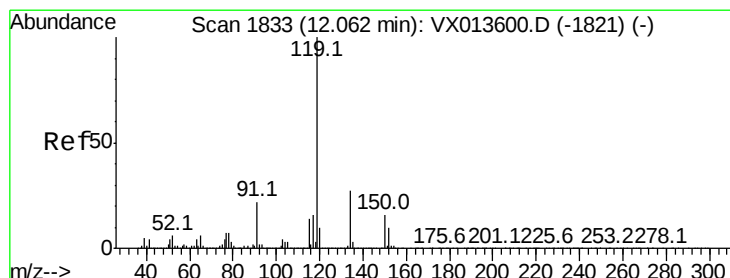
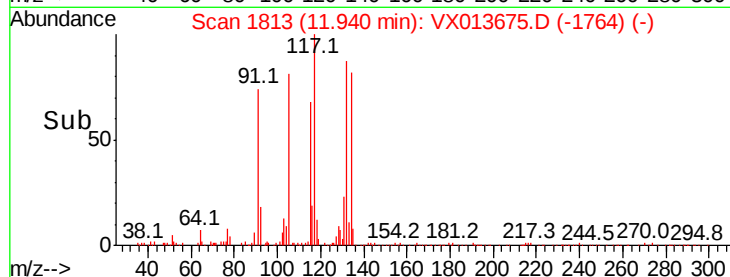
20000

0

11.90

11.95

Time-->



#86

p-Isopropyltoluene

Concen: 13.244 ug/l m

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013675.D

Acq: 28 Nov 2019 01:11

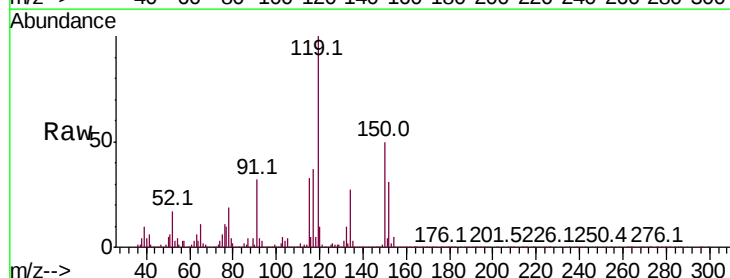
Tgt Ion:119 Resp: 389284

Ion Ratio Lower Upper

119 100

134 55.6 13.3 39.9#

91 46.2 11.3 33.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

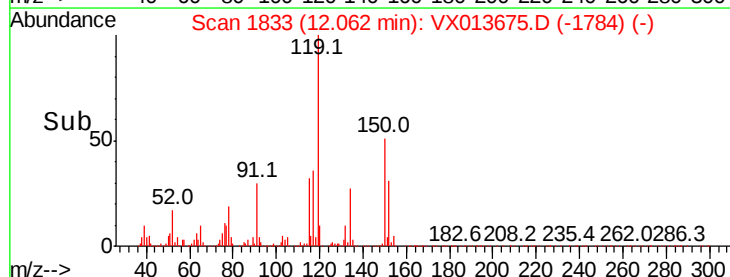
200000

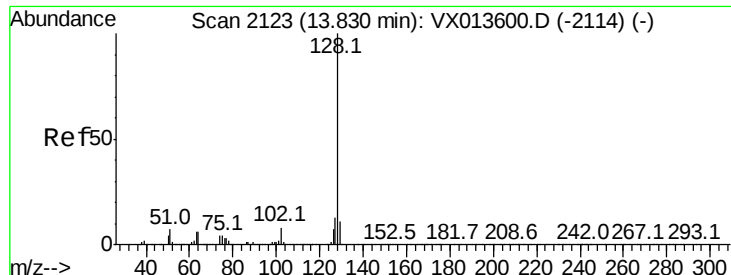
0

12.05

12.10

Time-->





#95
Naphthalene
Concen: 678.622 ug/l m
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX013675.D
Acq: 28 Nov 2019 01:11

Instrument :
MSVOA_X
ClientSampleId :
MW-12

Tot Ion:128 Resp:21763552
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.2 8.7 13.1#

Manual Integrations
APPROVED

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