

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034769.D
 Acq On : 3 Mar 2020 18:28
 Operator : SY/AP
 Sample : L1704-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5-4DL

Manual Integrations
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 3/4/2020 4:49:17 PM

Quant Time: Mar 04 11:23:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1236977	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	2583431	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2531528	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	2136939	10.29	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.16	43	1413328	9.840	ppbv	99
13) Ethanol	3.60	45	51337m	2.912	ppbv	
15) Acetone	3.84	43	11297639	80.151	ppbv #	60
26) Hexane	5.70	57	111745m	0.972	ppbv	
30) Cyclohexane	7.17	84	69484	0.780	ppbv	94
53) Toluene	9.86	91	7414549	31.243	ppbv	92
59) m/p-Xylene	13.04	91	134629m	0.504	ppbv	
60) o-Xylene	13.76	91	67959	0.256	ppbv	94
64) n-propylbenzene	15.63	120	36163m	0.363	ppbv	
72) 4-Ethyltoluene	15.91	105	213759	0.724	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	149839	0.528	ppbv	95
74) 1,2,4-Trimethylbenzene	16.83	105	456951	1.458	ppbv #	69

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

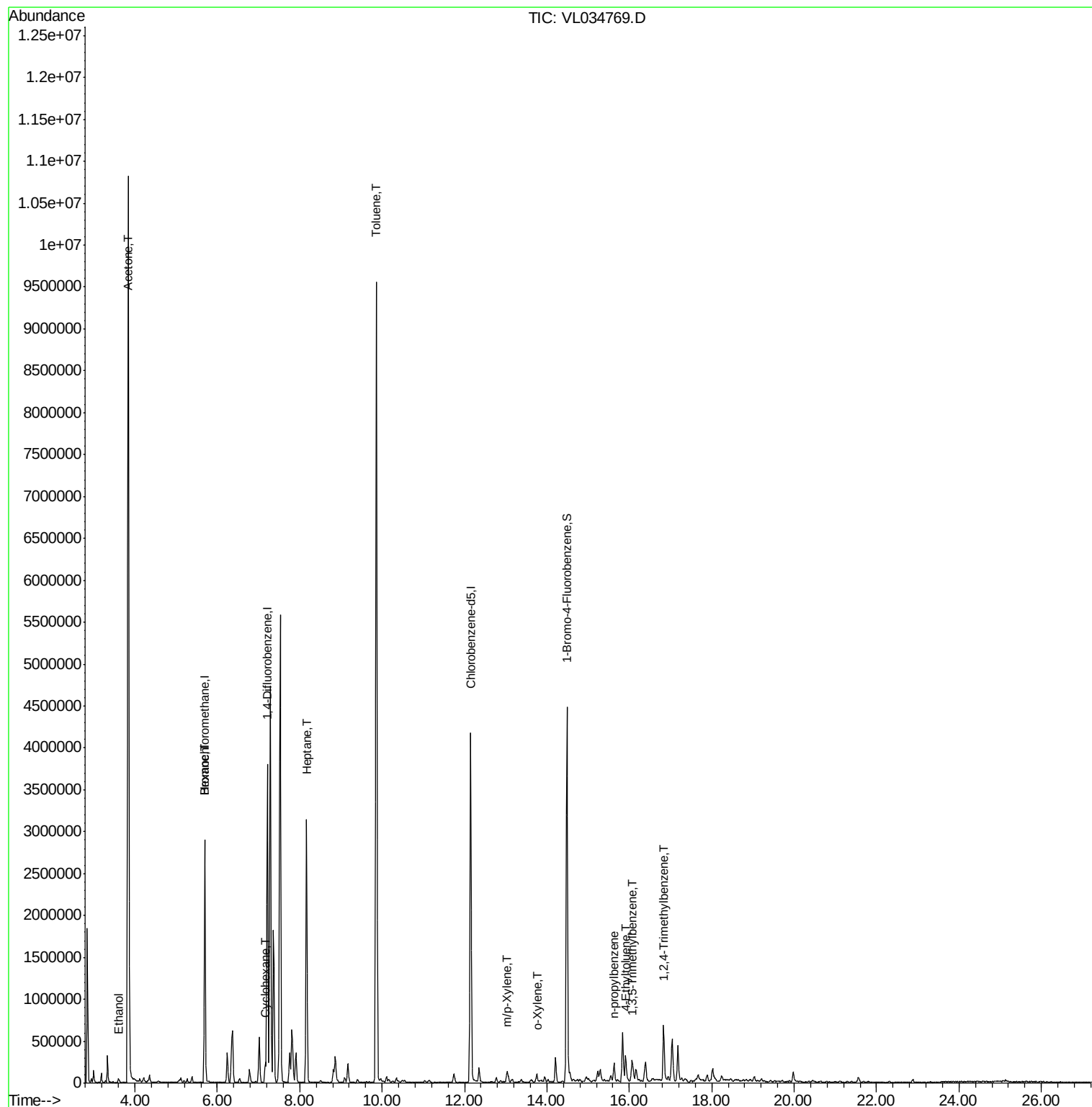
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030320\
Data File : VL034769.D
Acq On : 3 Mar 2020 18:28
Operator : SY/AP
Sample : L1704-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

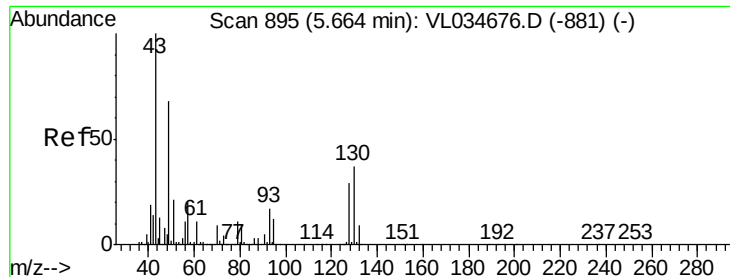
Instrument :
MSVOA_L
ClientSampleId :
IA-5-4DL

Manual Integrations
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Quant Time: Mar 04 11:23:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL034769.D

Acq: 3 Mar 2020 18:28

Instrument :

MSVOA_L

ClientSampleId :

IA-5-4DL

Tot Ion: 49 Resp: 1236977

Ion Ratio Lower Upper

49 100

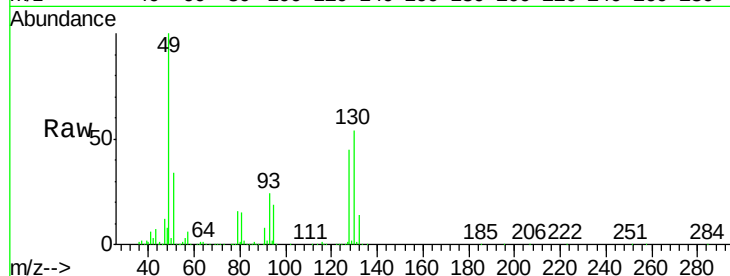
128 43.6 21.6 65.0

130 54.7 27.7 83.1

Manual Integrations
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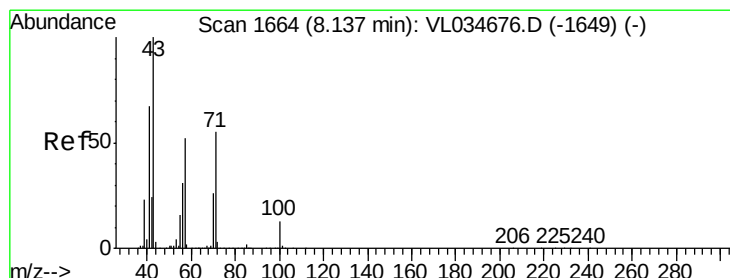
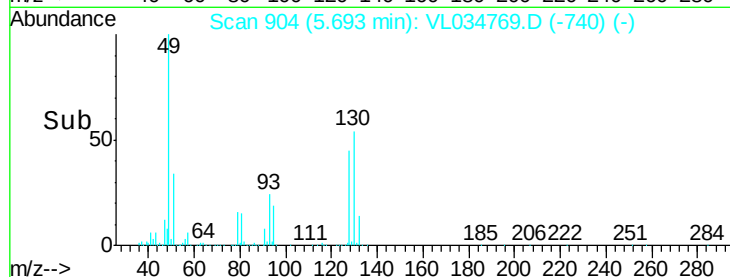
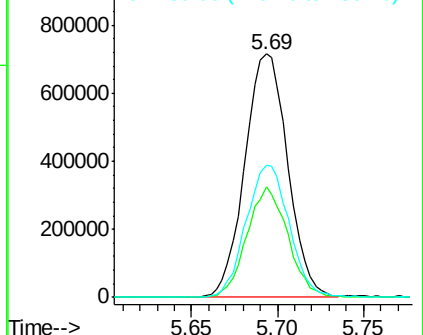
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#10

Heptane

Concen: 9.840 ppbv

RT: 8.16 min Scan# 1672

Delta R.T. 0.03 min

Lab File: VL034769.D

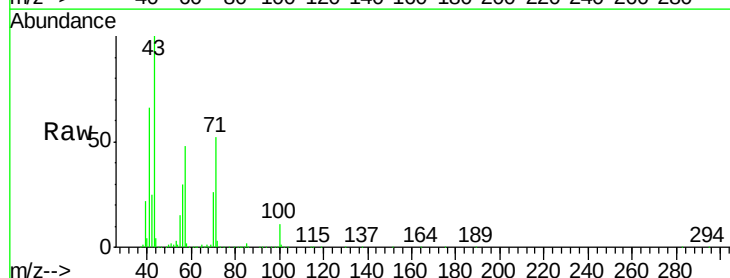
Acq: 3 Mar 2020 18:28

Tgt Ion: 43 Resp: 1413328

Ion Ratio Lower Upper

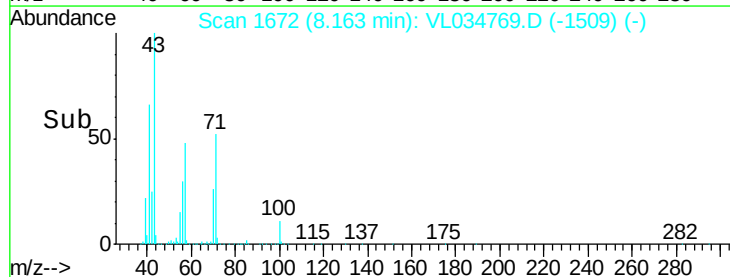
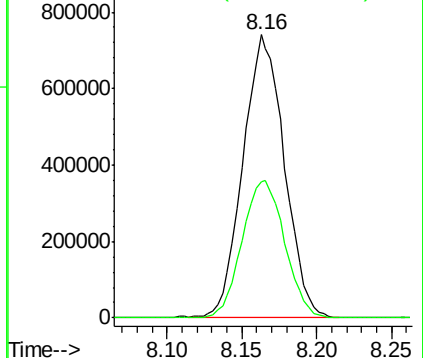
43 100

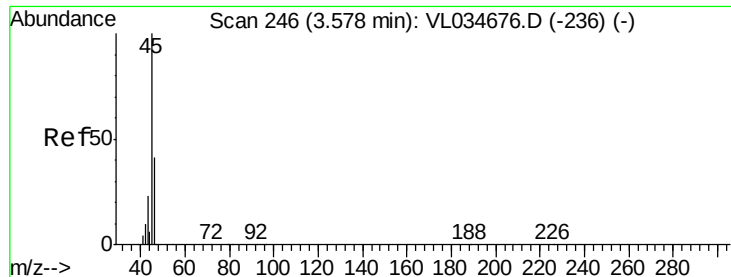
57 50.3 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#13

Ethanol

Concen: 2.912 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.03 min

Lab File: VL034769.D

Acq: 3 Mar 2020 18:28

Instrument :

MSVOA_L

ClientSampleId :

IA-5-4DL

Tot Ion: 45 Resp: 51337

Ion Ratio Lower Upper

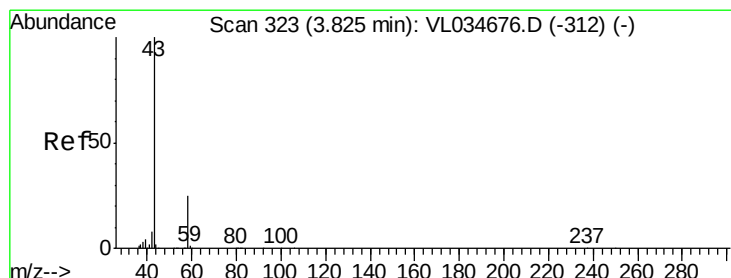
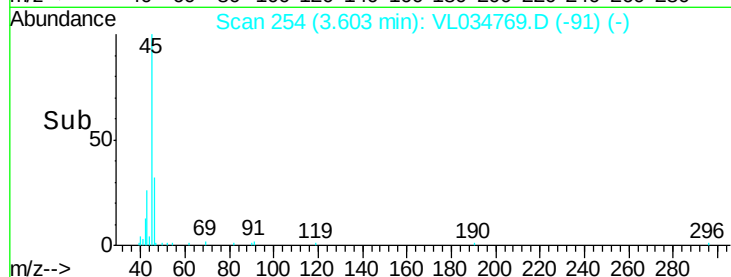
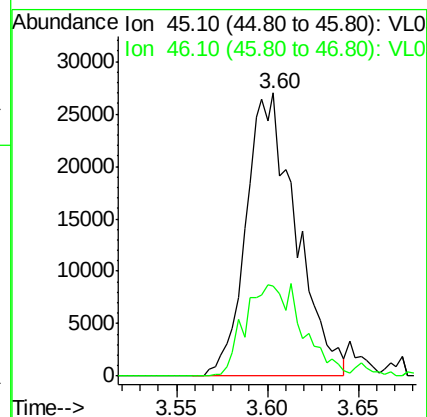
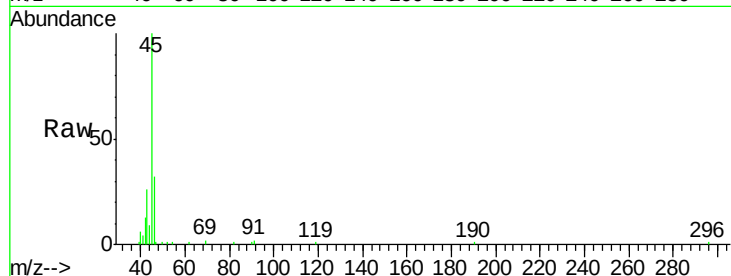
45 100

46 0.0 15.4 61.4#

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#15

Acetone

Concen: 80.151 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL034769.D

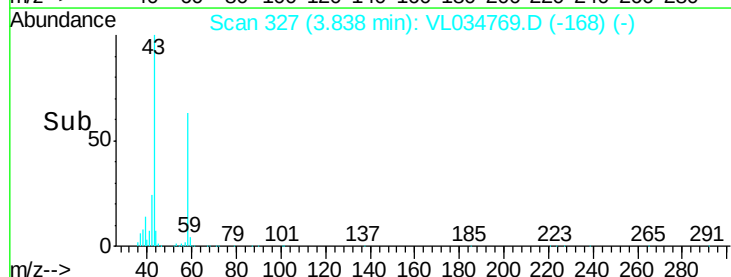
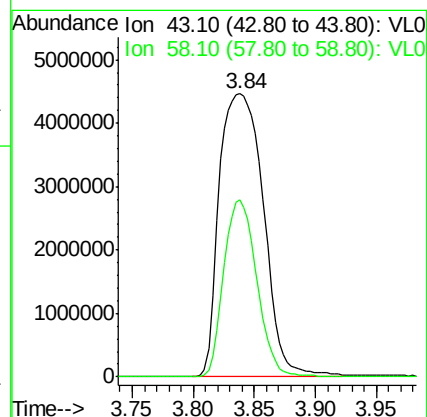
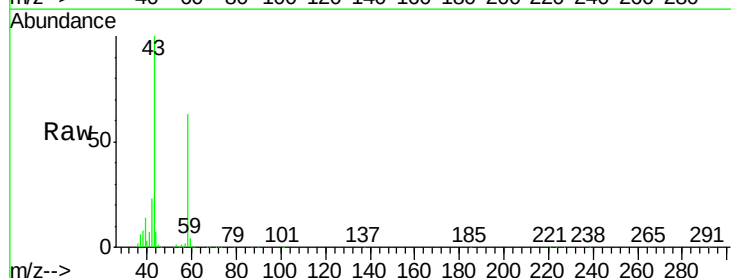
Acq: 3 Mar 2020 18:28

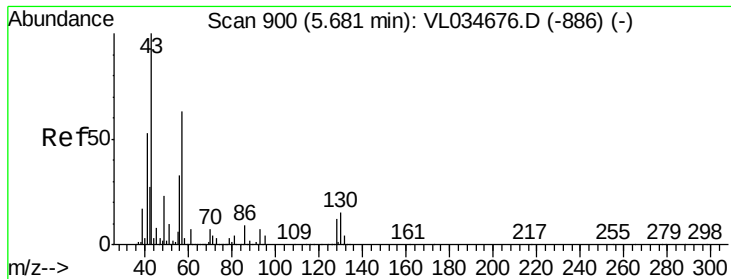
Tgt Ion: 43 Resp: 11297639

Ion Ratio Lower Upper

43 100

58 47.5 21.4 32.0#





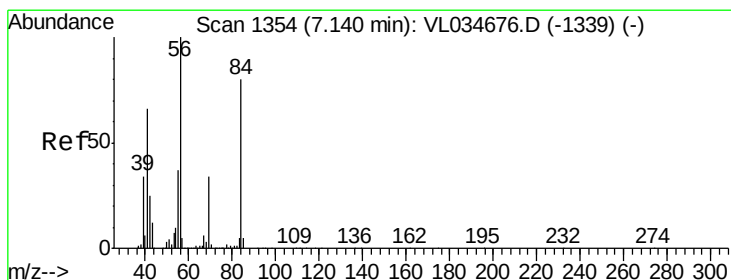
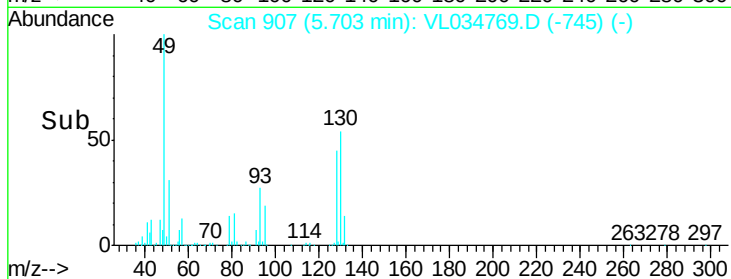
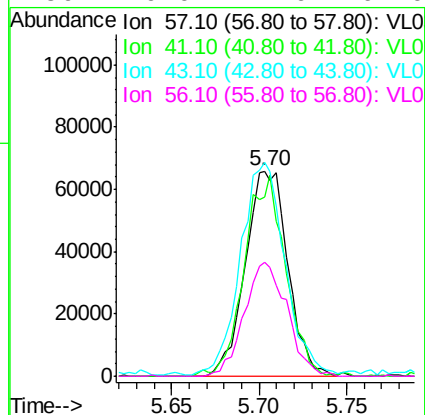
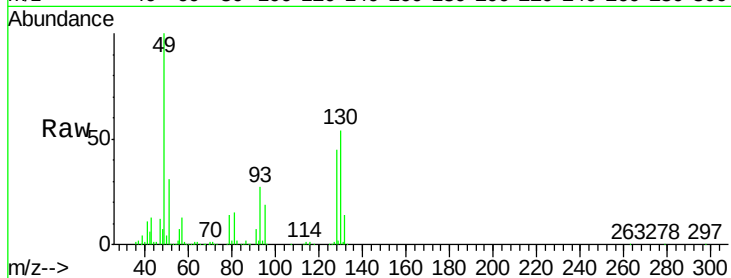
#26
Hexane
Concen: 0.972 ppbv m
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL034769.D
Acq: 3 Mar 2020 18:28

Instrument :
MSVOA_L
ClientSampled :
IA-5-4DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	94.8	70.3	105.5
43	0.0	177.0	265.4#
56	0.0	42.6	64.0#

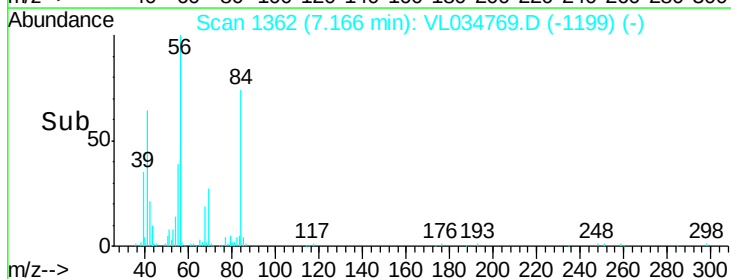
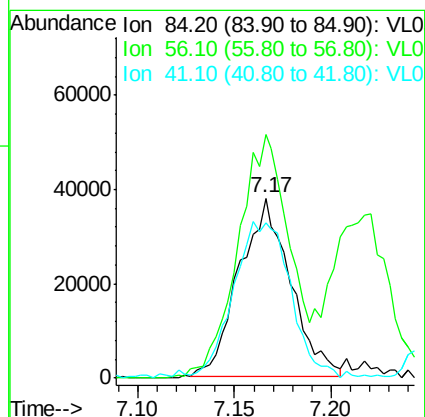
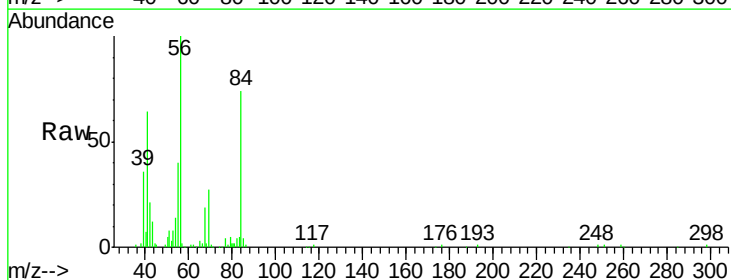
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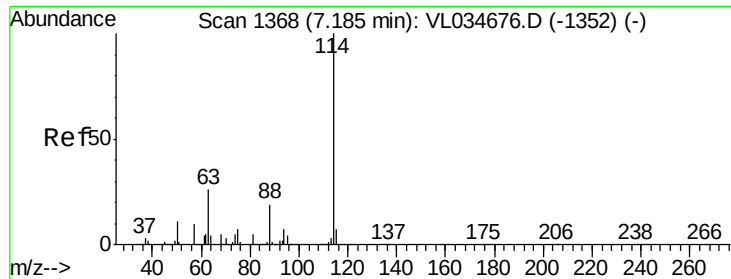
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#30
Cyclohexane
Concen: 0.780 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.03 min
Lab File: VL034769.D
Acq: 3 Mar 2020 18:28

Tgt Ion	Ratio	Lower	Upper
84	100		
56	144.1	113.4	170.2
41	97.7	68.2	102.4





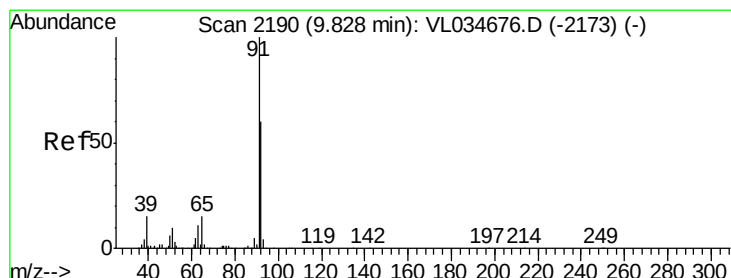
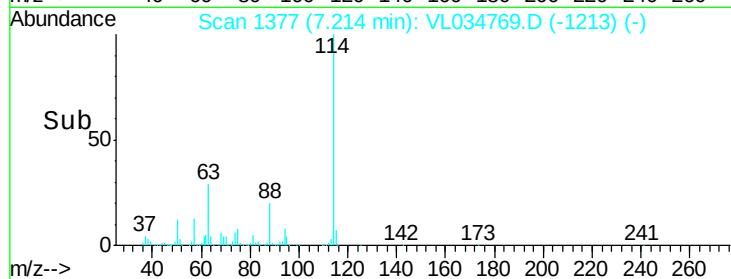
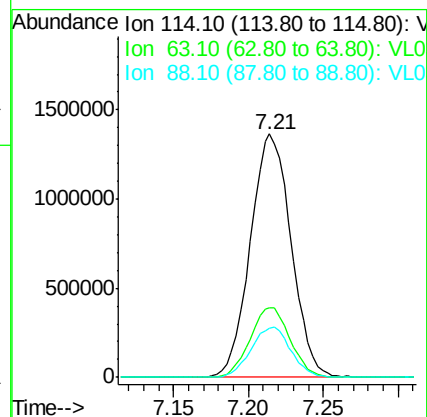
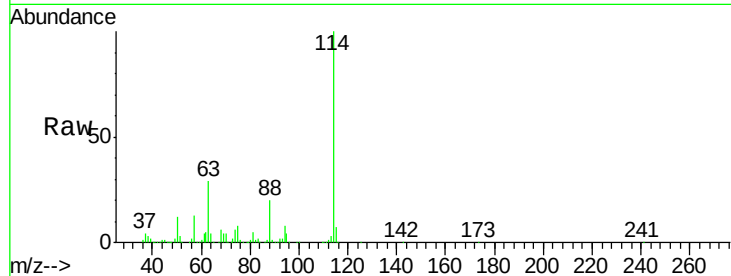
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VL034769.D
 Acq: 3 Mar 2020 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5-4DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.9	34.3
88	20.2	15.8	23.6

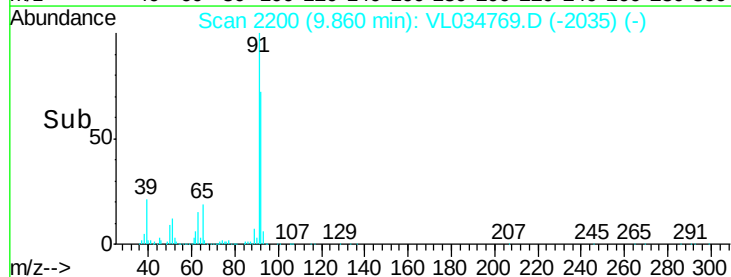
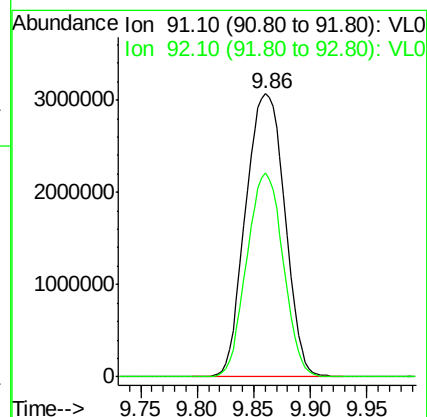
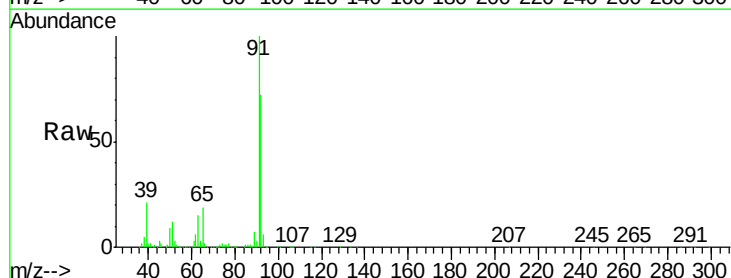
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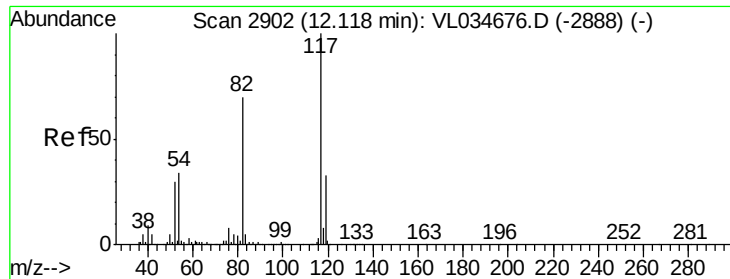
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#53
 Toluene
 Concen: 31.243 ppbv
 RT: 9.86 min Scan# 2200
 Delta R.T. 0.03 min
 Lab File: VL034769.D
 Acq: 3 Mar 2020 18:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.0	48.5	72.7





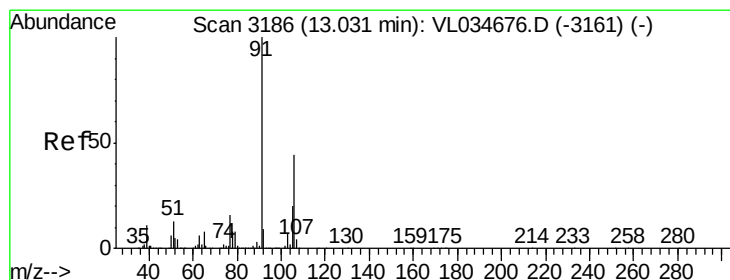
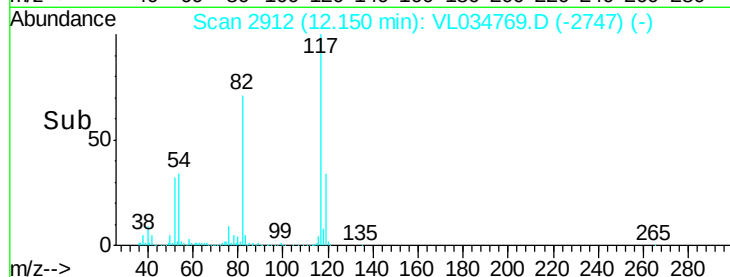
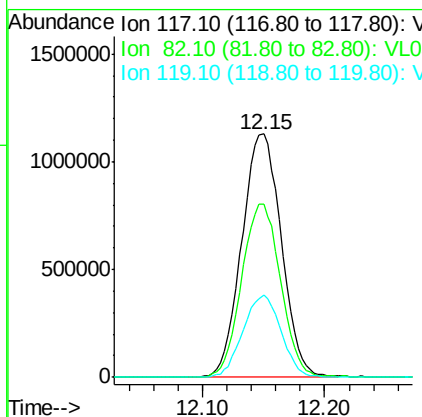
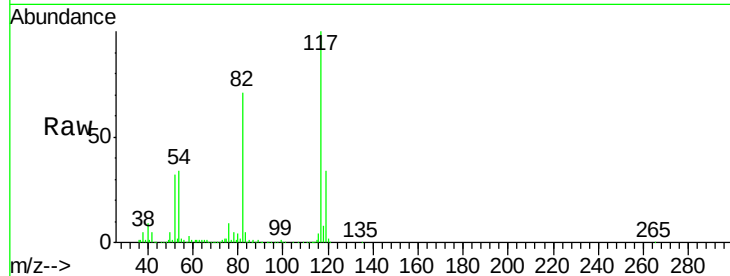
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.03 min
Lab File: VL034769.D
Acq: 3 Mar 2020 18:28

Instrument :
MSVOA_L
ClientSampled :
IA-5-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.4	54.1	81.1
119	32.8	27.6	41.4

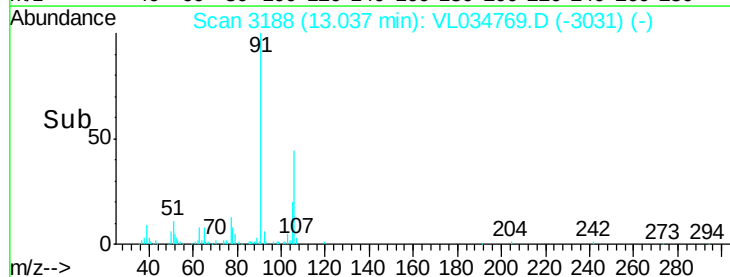
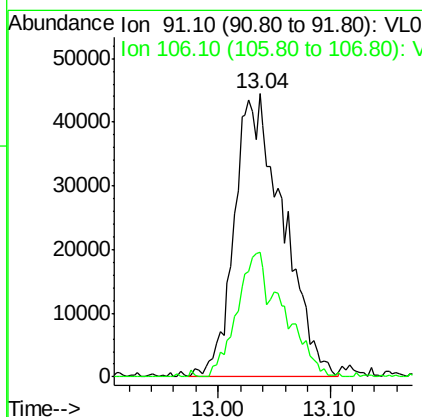
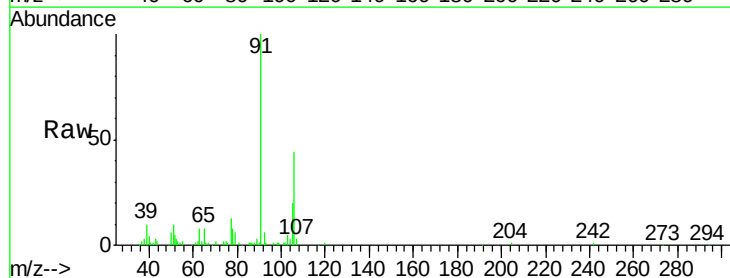
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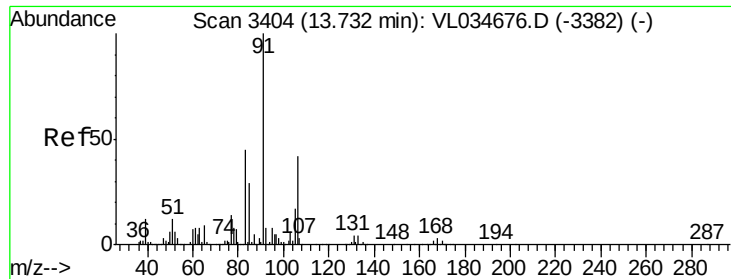
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#59
m/p-Xylene
Concen: 0.504 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VL034769.D
Acq: 3 Mar 2020 18:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#





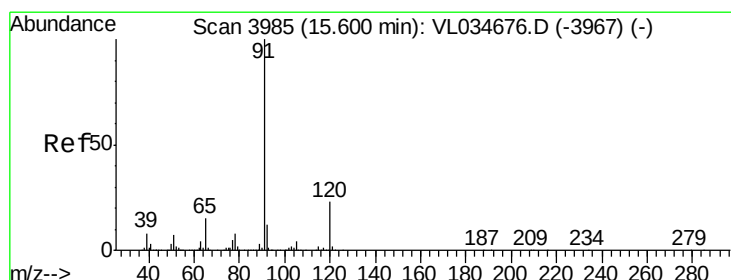
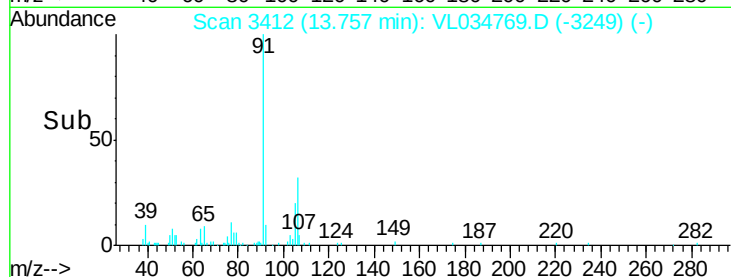
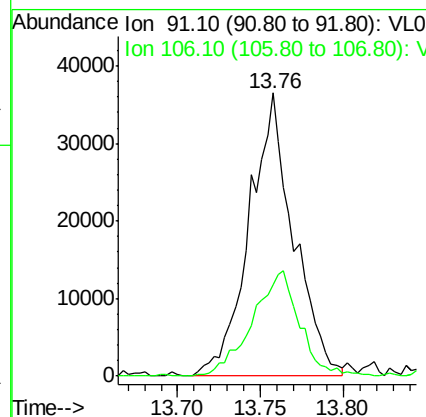
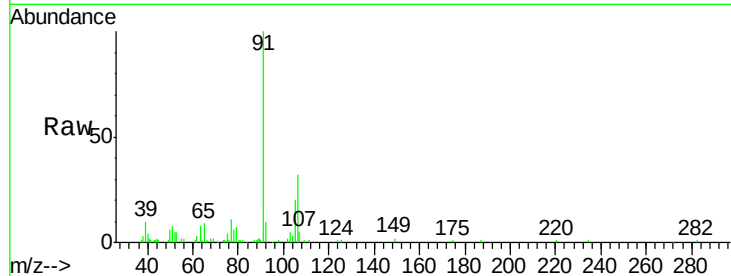
#60
o-Xylene
Concen: 0.256 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.03 min
Lab File: VL034769.D
Acq: 3 Mar 2020 18:28

Instrument :
MSVOA_L
ClientSampleId :
IA-5-4DL

Tot Ion: 91 Resp: 67959
Ion Ratio Lower Upper
91 100
106 39.8 21.9 65.5

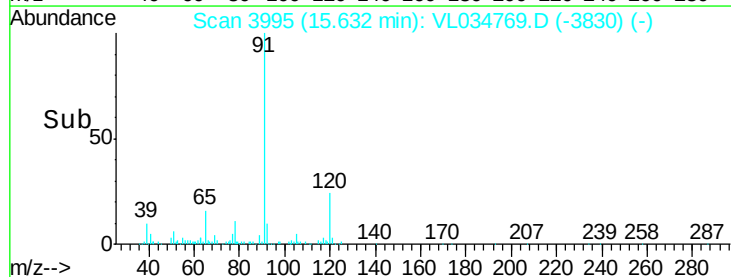
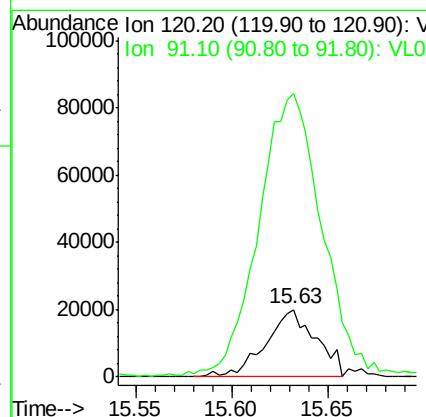
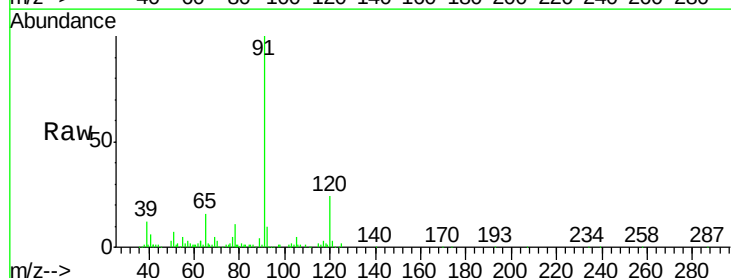
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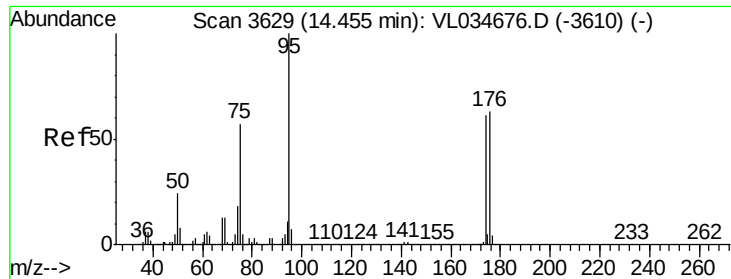
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#64
n-propylbenzene
Concen: 0.363 ppbv m
RT: 15.63 min Scan# 3995
Delta R.T. 0.03 min
Lab File: VL034769.D
Acq: 3 Mar 2020 18:28

Tgt Ion:120 Resp: 36163
Ion Ratio Lower Upper
120 100
91 527.7 369.8 554.8





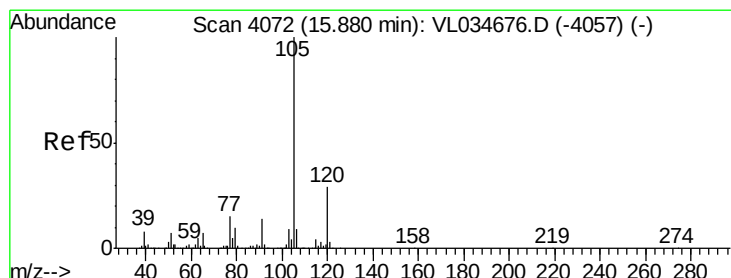
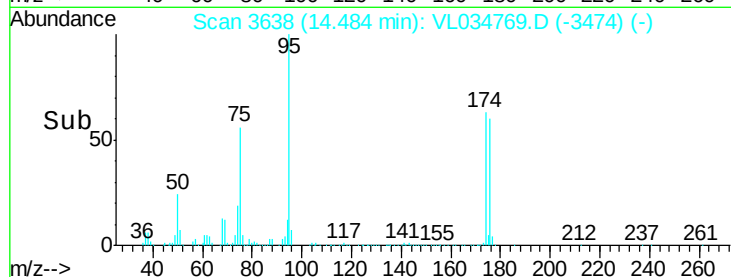
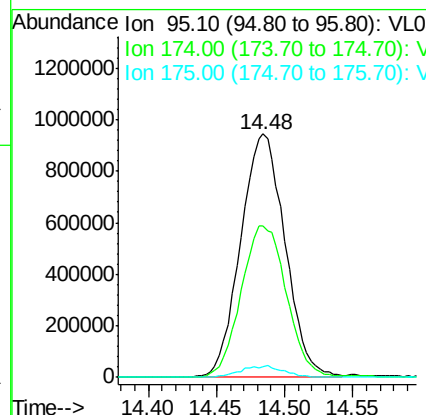
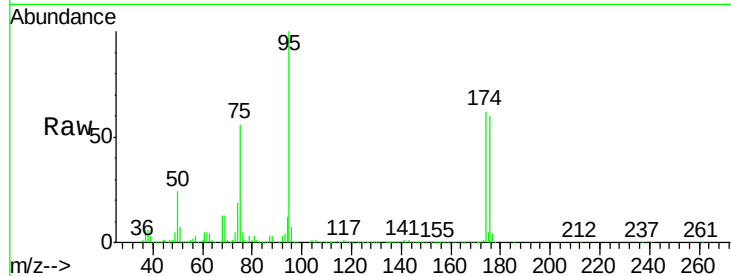
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.295 ppbv
 RT: 14.48 min Scan# 3638
 Delta R.T. 0.03 min
 Lab File: VL034769.D
 Acq: 3 Mar 2020 18:28

Instrument :
 MSVOA_L
 ClientSampled :
 IA-5-4DL

Tot Ion: 95 Resp: 2136939
 Ion Ratio Lower Upper
 95 100
 174 64.3 50.7 76.1
 175 4.6 3.9 5.9

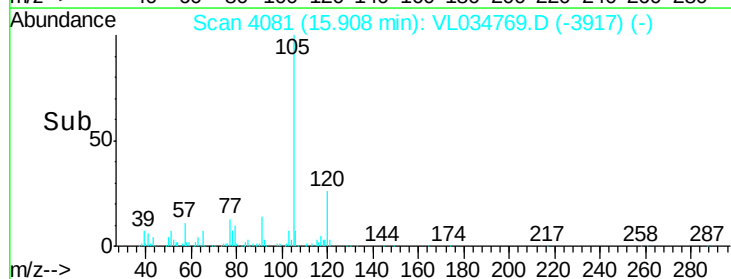
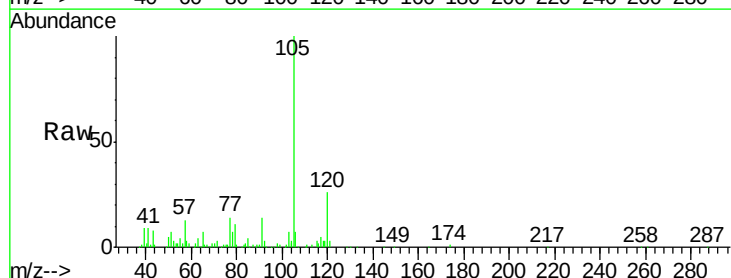
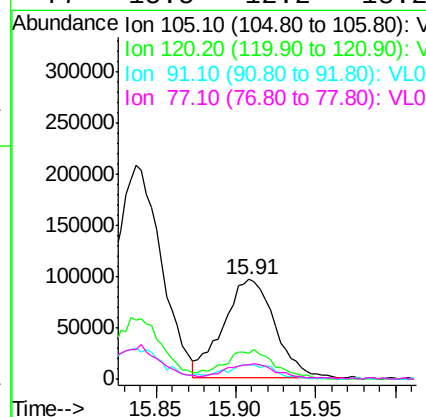
Manual Integrations
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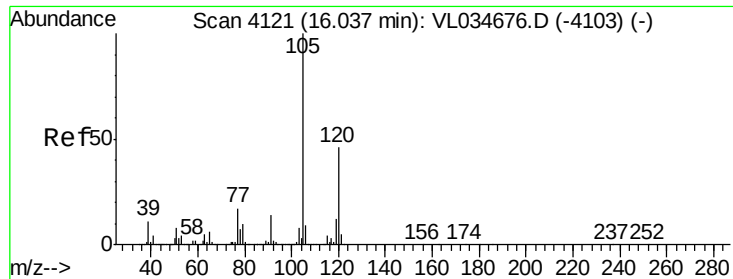
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#72
 4-Ethyltoluene
 Concen: 0.724 ppbv
 RT: 15.91 min Scan# 4081
 Delta R.T. 0.03 min
 Lab File: VL034769.D
 Acq: 3 Mar 2020 18:28

Tgt Ion: 105 Resp: 213759
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.7 35.5
 91 15.7 10.9 16.3
 77 15.5 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 0.528 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. 0.03 min

Lab File: VL034769.D

Acq: 3 Mar 2020 18:28

Instrument :

MSVOA_L

ClientSampled :

IA-5-4DL

Tot Ion:105 Resp: 149839

Ion Ratio Lower Upper

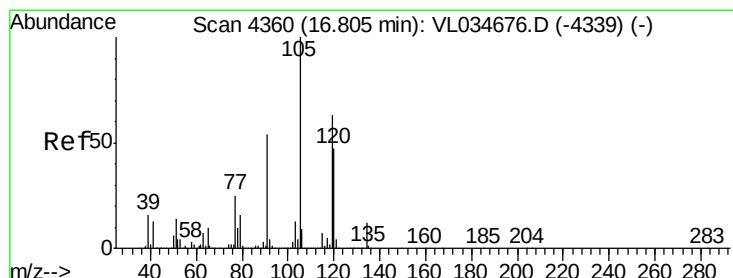
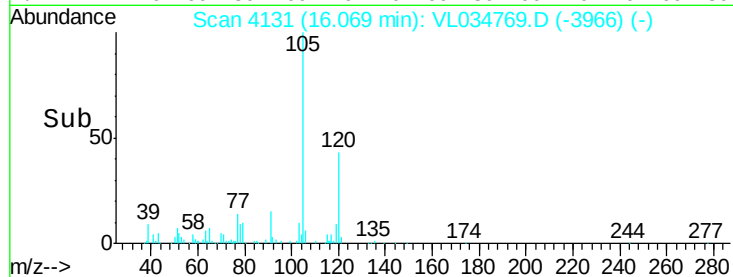
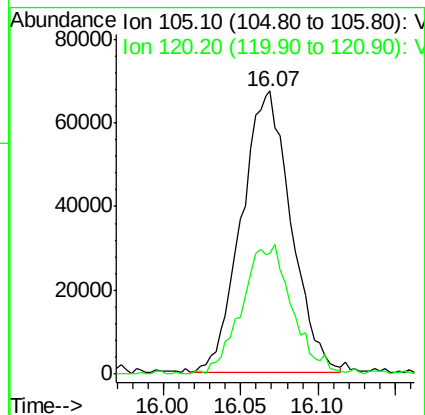
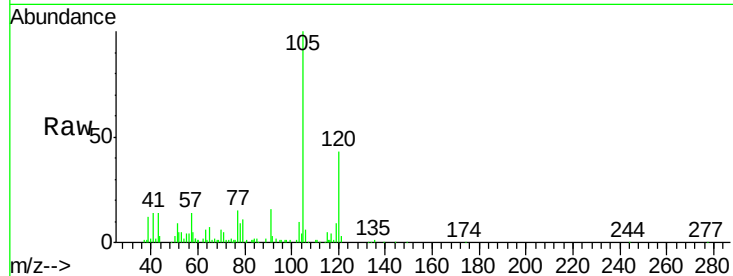
105 100

120 42.9 37.1 55.7

Manual Integrations
APPROVED

MMDadoda

3/4/2020 4:49:17 PM



#74

1,2,4-Trimethylbenzene

Concen: 1.458 ppbv

RT: 16.83 min Scan# 4368

Delta R.T. 0.03 min

Lab File: VL034769.D

Acq: 3 Mar 2020 18:28

Tgt Ion:105 Resp: 456951

Ion Ratio Lower Upper

105 100

120 43.5 37.9 56.9

91 11.7 43.9 65.9#

77 16.5 20.3 30.5#

