

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035875.D
 Acq On : 6 Nov 2020 1:04
 Operator : SY/AP
 Sample : L4618-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
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 11/9/2020 10:47:46 AM

Quant Time: Nov 08 18:41:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1059114	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3915808	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3633368	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2614305	10.13	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	320032m	6.894	ppbv	
15) Acetone	3.82	43	7127945	62.952	ppbv	95
52) Tetrachloroethene	11.20	164	11858m	0.086	ppbv	
53) Toluene	9.78	91	3270657	9.311	ppbv	100
58) Ethyl Benzene	12.69	91	80136	0.181	ppbv	97
59) m/p-Xylene	12.94	91	321889	0.860	ppbv	100
60) o-Xylene	13.67	91	94790	0.260	ppbv	100

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

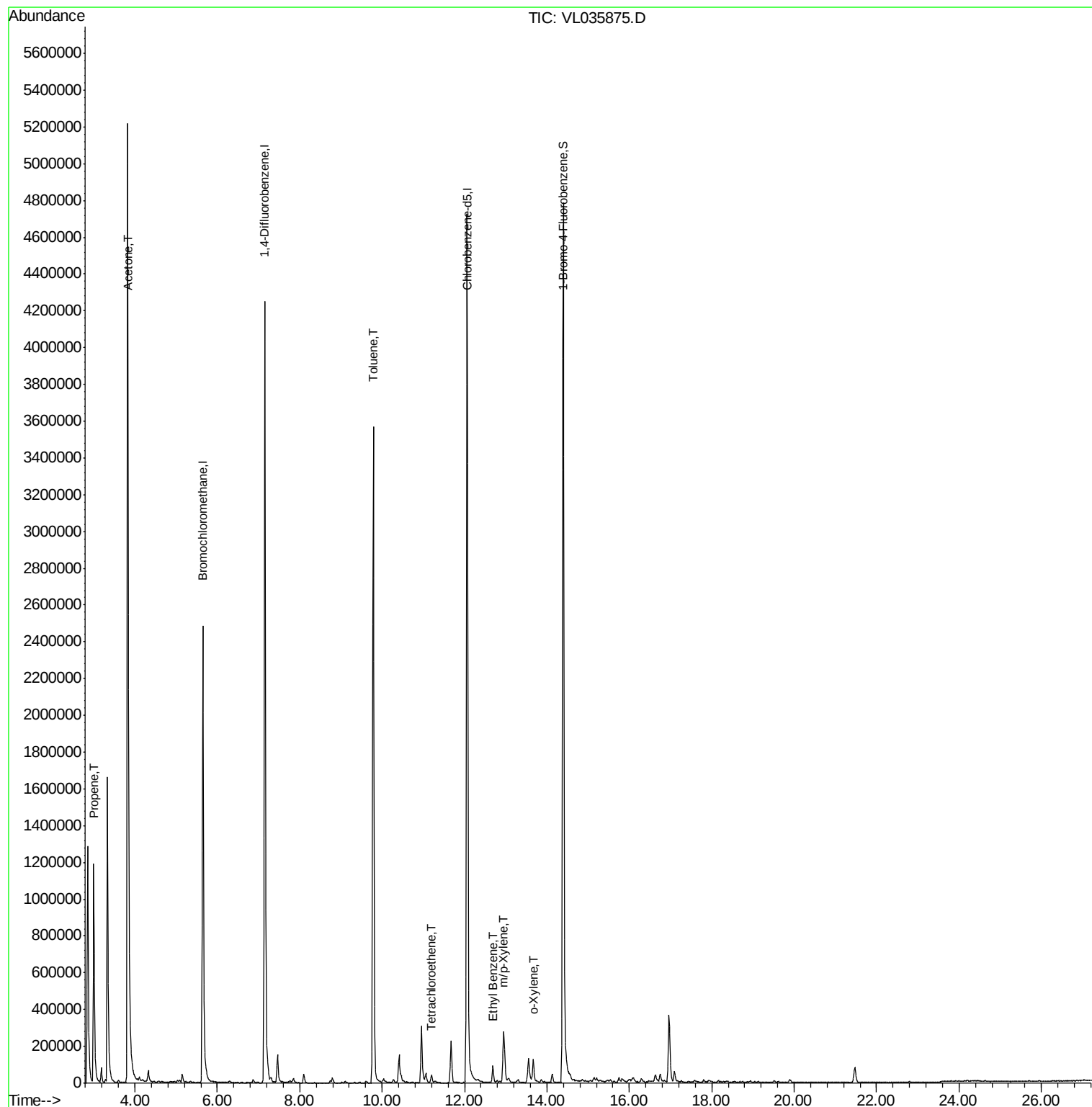
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110520\
Data File : VL035875.D
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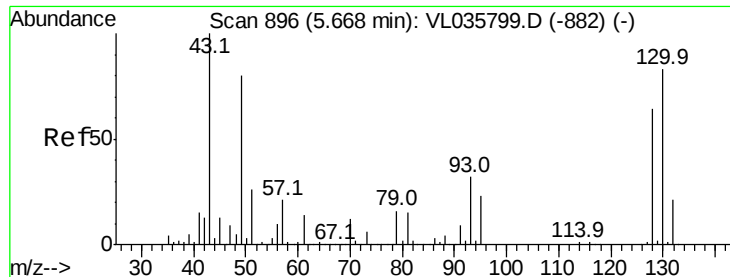
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

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Quant Time: Nov 08 18:41:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035875.D

Acq: 6 Nov 2020 1:04

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

Tot Ion: 49 Resp: 1059114

Ion Ratio Lower Upper

49 100

128 79.1 41.5 124.6

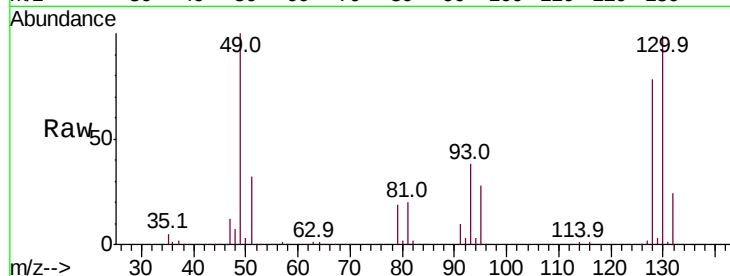
130 101.4 53.7 161.1

Manual Integrations

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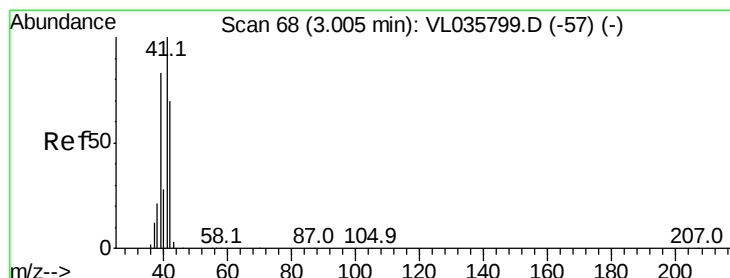
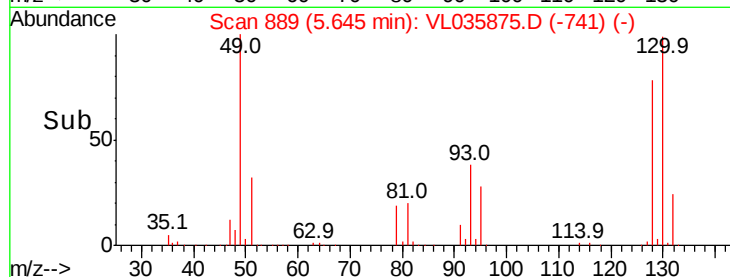
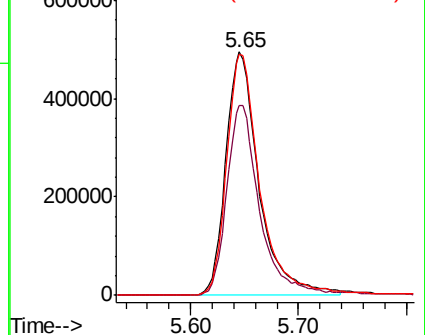
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 6.894 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035875.D

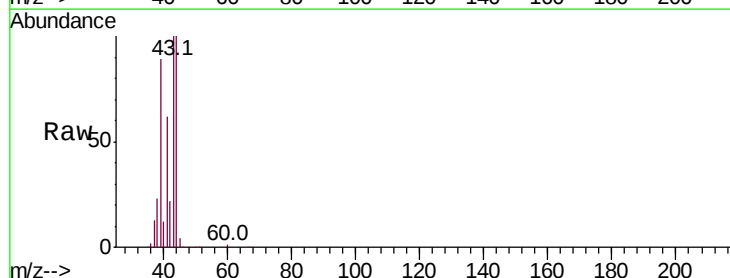
Acq: 6 Nov 2020 1:04

Tgt Ion: 41 Resp: 320032

Ion Ratio Lower Upper

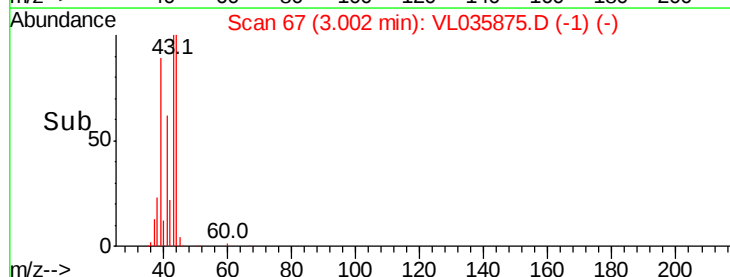
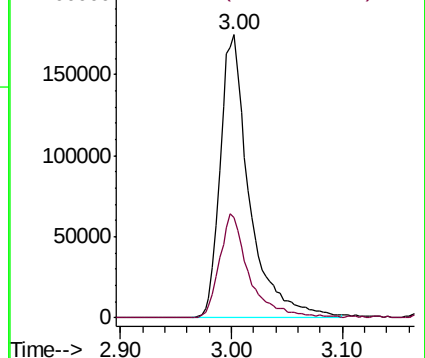
41 100

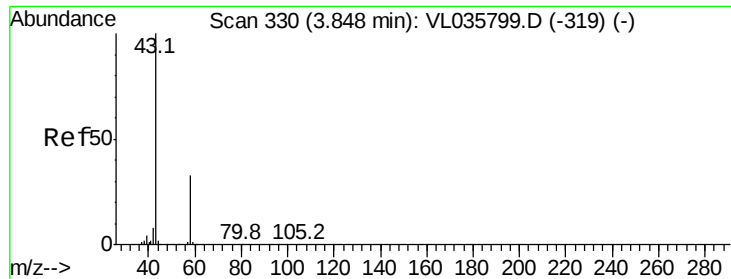
42 6.2 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





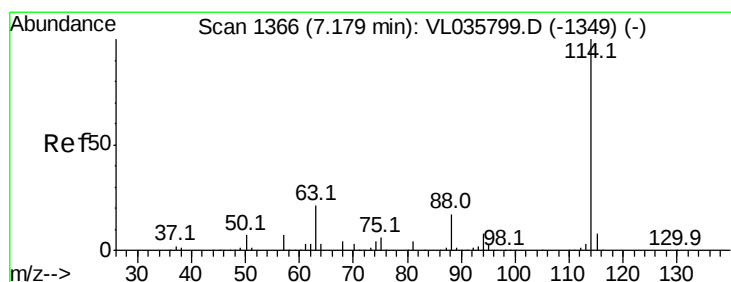
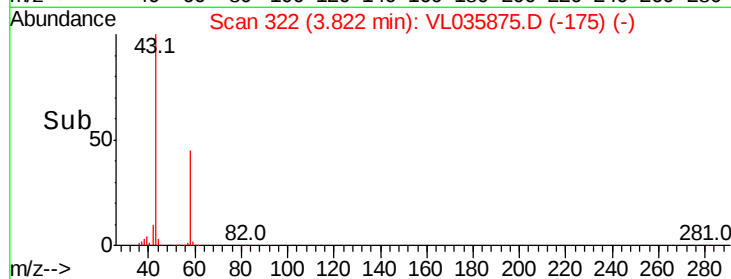
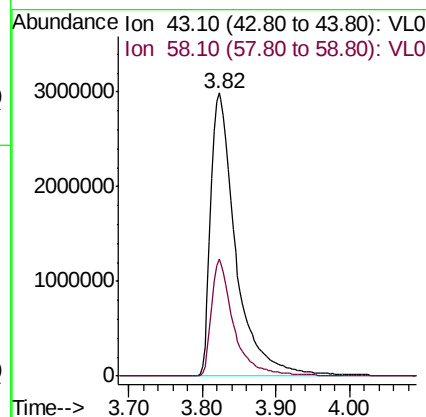
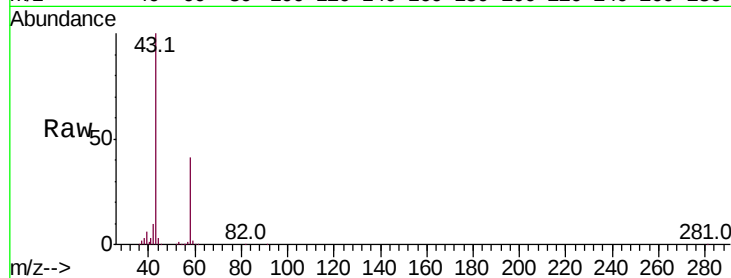
#15
Acetone
Concen: 62.952 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.03 min
Lab File: VL035875.D
Acq: 6 Nov 2020 1:04

Instrument :
MSVOA_L
ClientSampled :
IA-1DL

Tot Ion: 43 Resp: 7127945
Ion Ratio Lower Upper
43 100
58 37.3 27.5 41.3

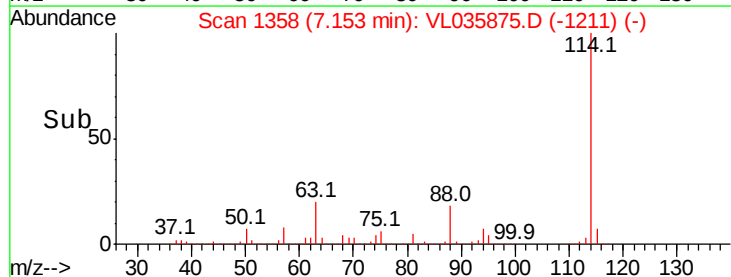
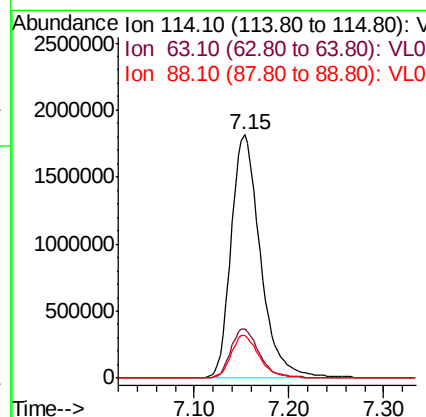
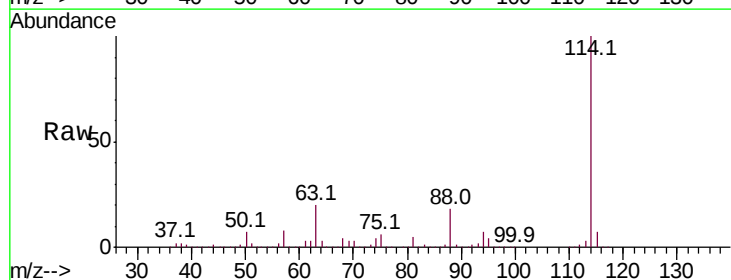
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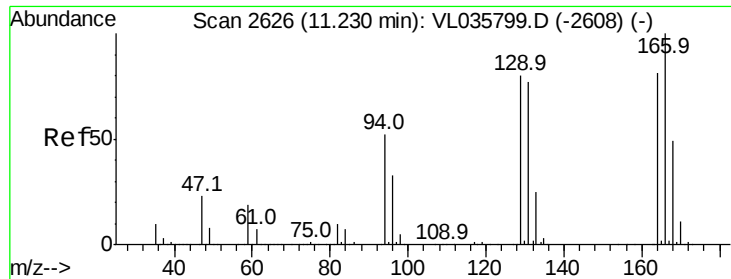
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL035875.D
Acq: 6 Nov 2020 1:04

Tgt Ion: 114 Resp: 3915808
Ion Ratio Lower Upper
114 100
63 20.0 16.1 24.1
88 17.2 13.7 20.5





#52

Tetrachloroethene

Concen: 0.086 ppbv m

RT: 11.20 min Scan# 2618

Delta R.T. -0.03 min

Lab File: VL035875.D

Acq: 6 Nov 2020 1:04

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

Tot Ion:164 Resp: 11858

Ion Ratio Lower Upper

164 100

166 112.8 99.3 148.9

129 89.9 79.3 118.9

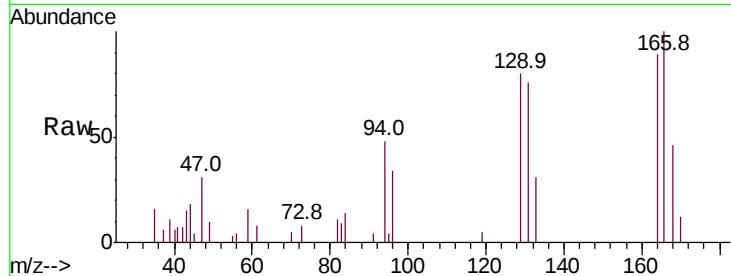
131 85.3 76.5 114.7

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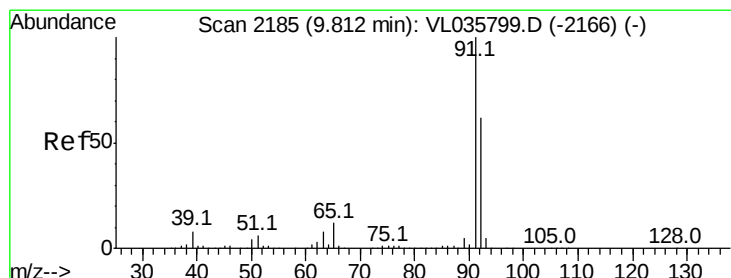
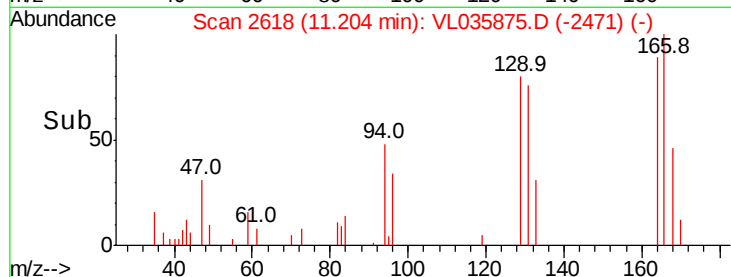
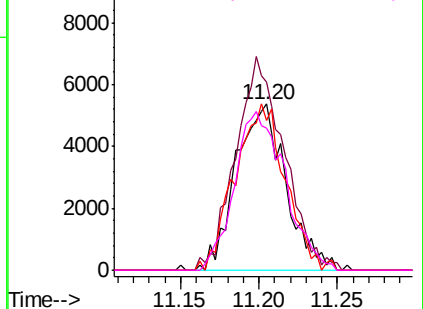
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 9.311 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL035875.D

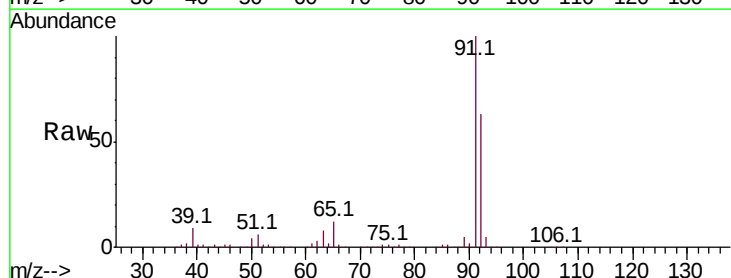
Acq: 6 Nov 2020 1:04

Tgt Ion: 91 Resp: 3270657

Ion Ratio Lower Upper

91 100

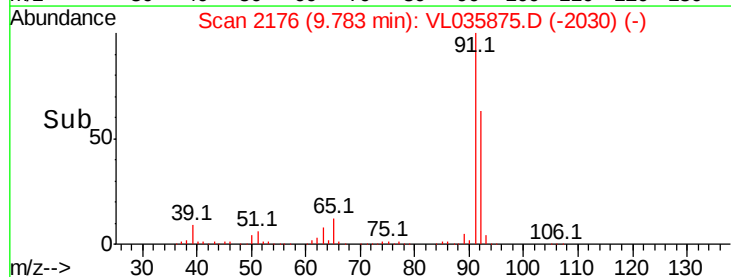
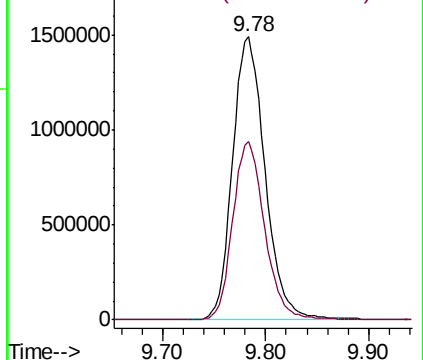
92 62.3 49.8 74.6

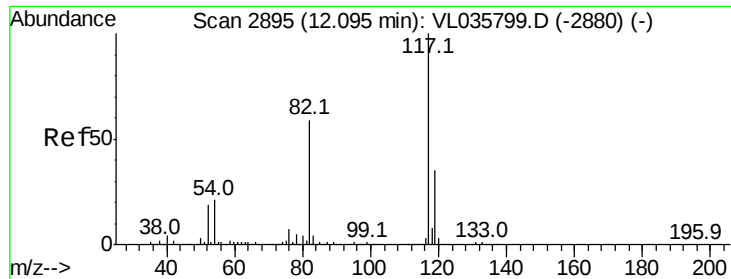


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





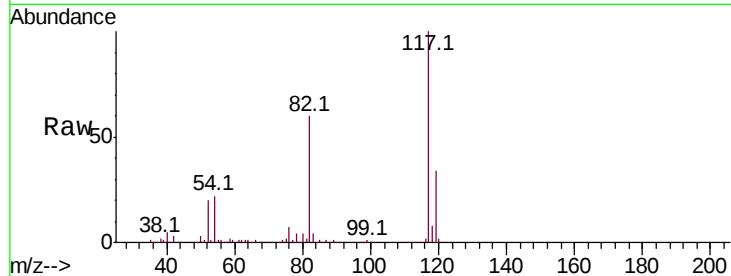
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL035875.D
Acq: 6 Nov 2020 1:04

Instrument :
MSVOA_L
ClientSampled :
IA-1DL

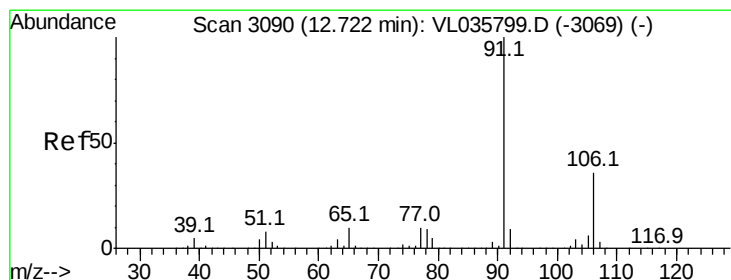
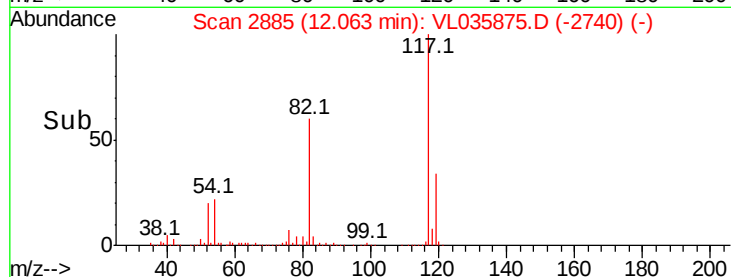
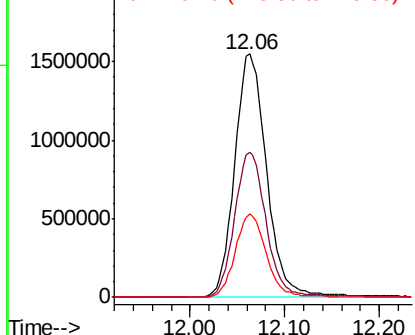
Tot Ion:117 Resp: 3633368
Ion Ratio Lower Upper
117 100
82 59.9 50.6 76.0
119 33.6 52.6 78.8#

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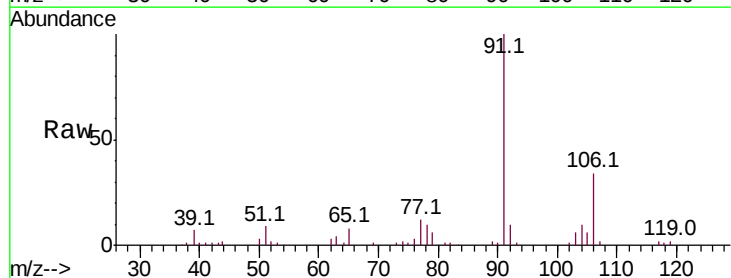


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

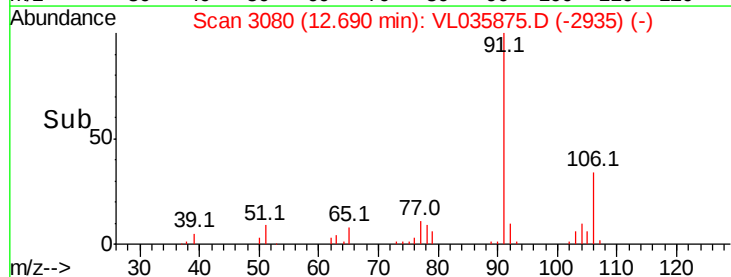
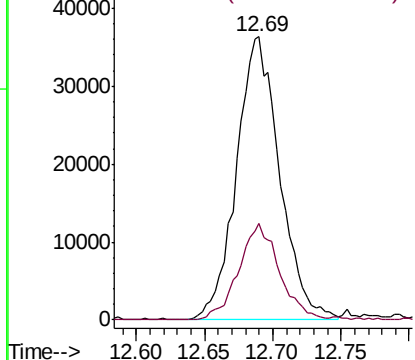


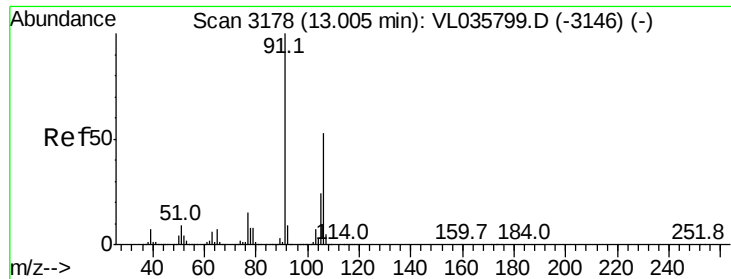
#58
Ethyl Benzene
Concen: 0.181 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL035875.D
Acq: 6 Nov 2020 1:04

Tgt Ion: 91 Resp: 80136
Ion Ratio Lower Upper
91 100
106 34.1 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





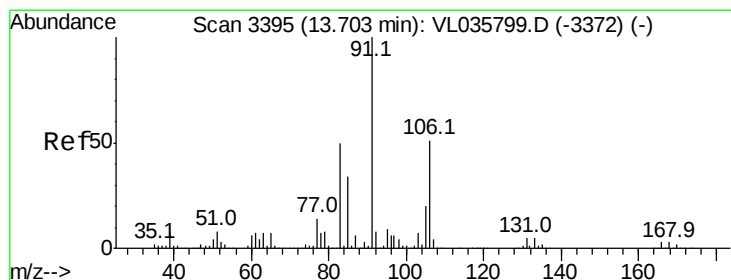
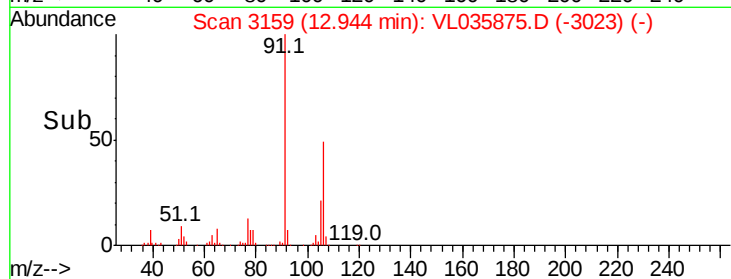
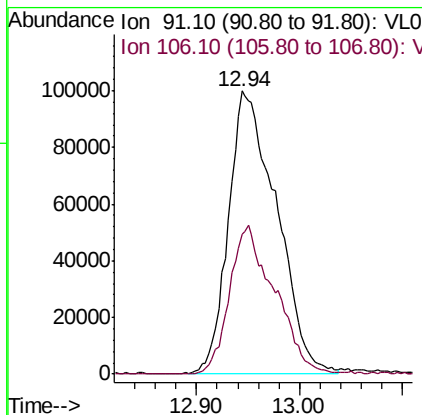
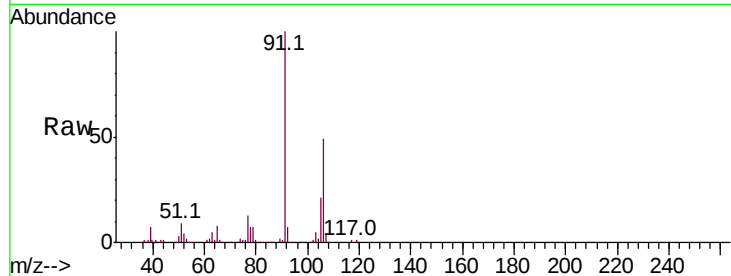
#59
m/p-Xylene
Concen: 0.860 ppbv
RT: 12.94 min Scan# 3159
Delta R.T. -0.06 min
Lab File: VL035875.D
Acq: 6 Nov 2020 1:04

Instrument :
MSVOA_L
ClientSampled :
IA-1DL

Tot Ion	91	106	Resp	Lower	Upper
321889	100	49.5		39.5	59.3

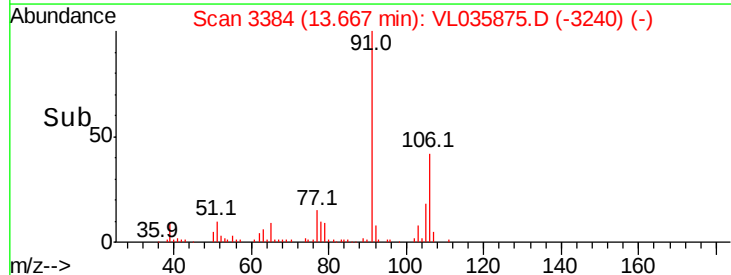
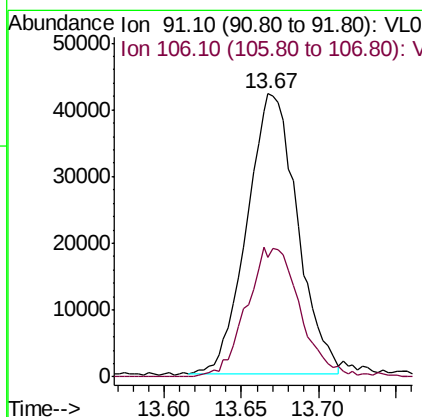
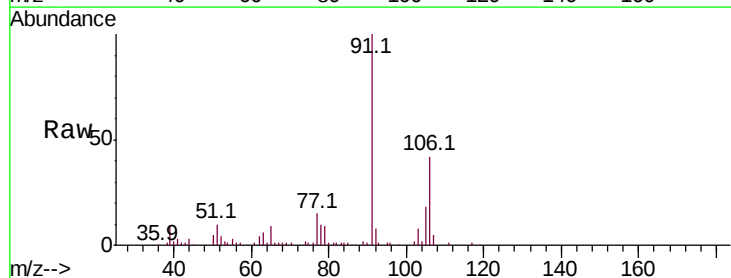
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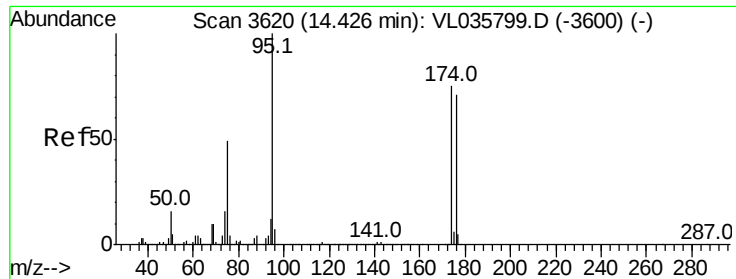
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#60
o-Xylene
Concen: 0.260 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL035875.D
Acq: 6 Nov 2020 1:04

Tgt Ion	91	106	Resp	Lower	Upper
94790	100	49.3		24.8	74.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.127 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.03 min
 Lab File: VL035875.D
 Acq: 6 Nov 2020 1:04

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.4	59.8	89.6
175	5.2	4.3	6.5

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