

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037713.D
 Acq On : 28 Sep 2021 21:55
 Operator : SY/AP
 Sample : M3948-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/29/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 29 20:54:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

10/01/2021 10:11:30 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1369959	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4133772	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3564538	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2578702	10.01	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	813222	91.211	ppbv	93
15) Acetone	3.86	43	1887955	13.264	ppbv	99
19) Isopropyl Alcohol	3.99	45	159432	2.059	ppbv #	1
34) 2-Butanone	5.26	43	123361	0.734	ppbv	99
38) Trichloroethene	7.85	130	45031m	0.313	ppbv	
52) Tetrachloroethene	11.22	164	98460	0.744	ppbv #	85
53) Toluene	9.81	91	42166m	0.110	ppbv	
59) m/p-Xylene	12.97	91	50689m	0.123	ppbv	

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

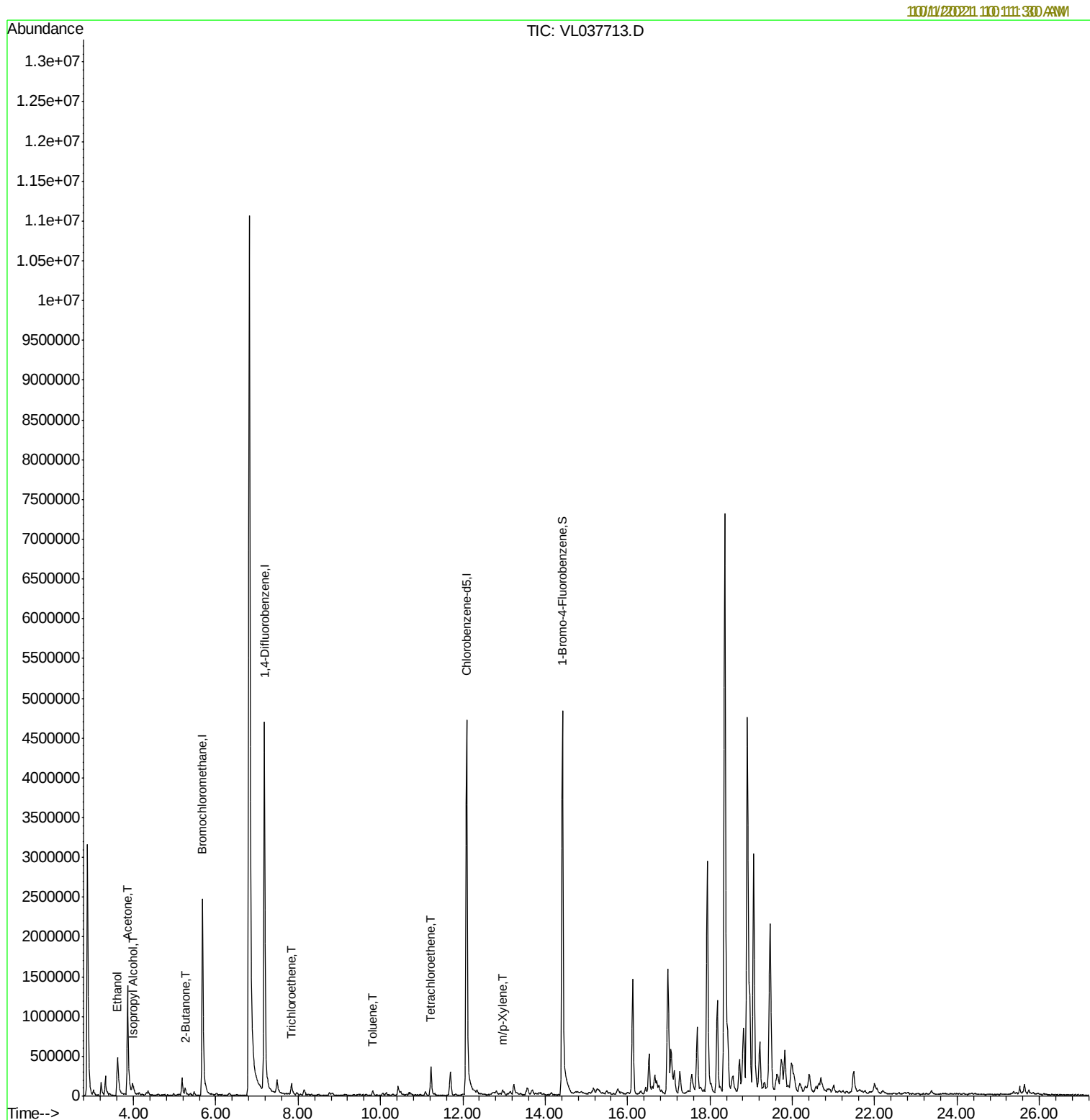
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
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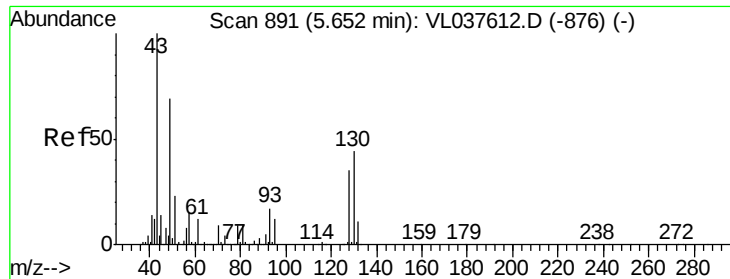
Instrument :
MSVOA_L
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Quant Time: Sep 29 20:54:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 21:55

Tgt Ion:

Ion Ratio

49 100

128 53.

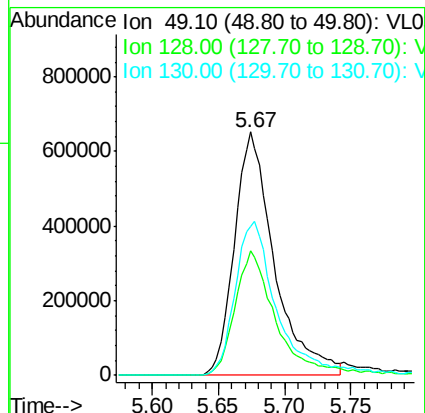
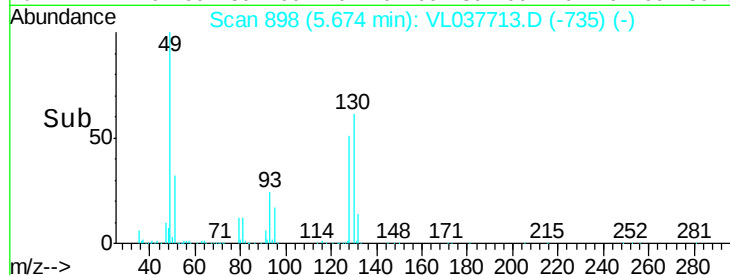
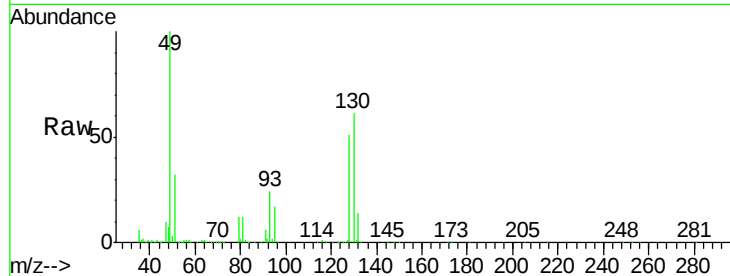
130 66.

Manual Integrations

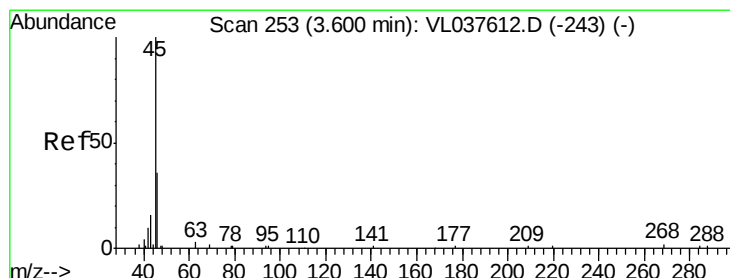
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#13

Ethanol

Concen: 91.211 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037713.D

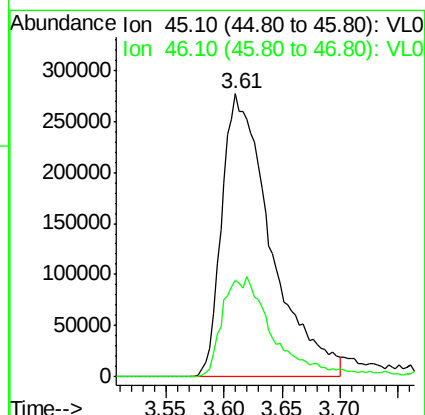
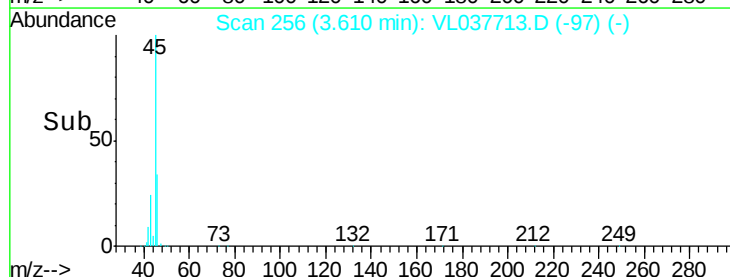
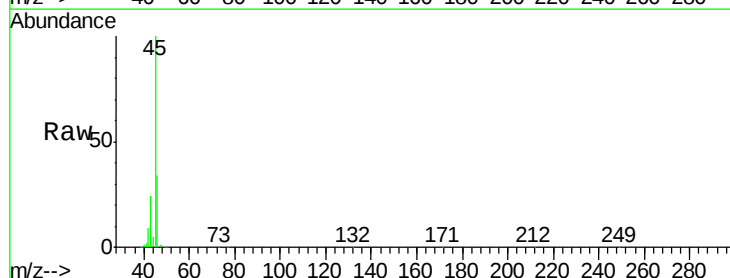
Acq: 28 Sep 2021 21:55

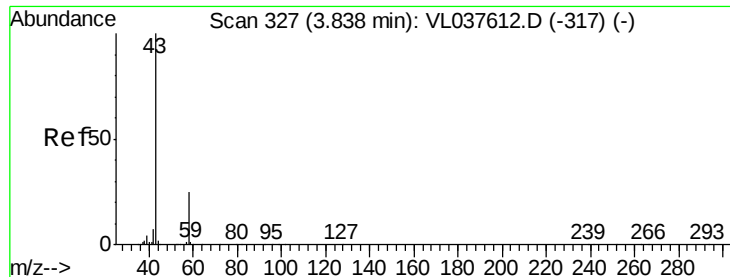
Tgt Ion: 45 Resp: 813222

Ion Ratio Lower Upper

45 100

46 38.6 17.2 68.8





#15

Acetone

Concen: 13.264 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 28 Sep 2021 21:55

Tgt Ion:

Ion Ratio

43 100

58 30.

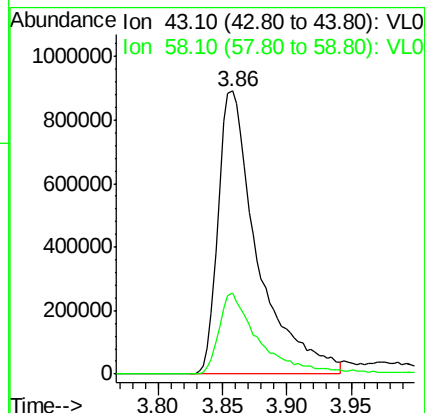
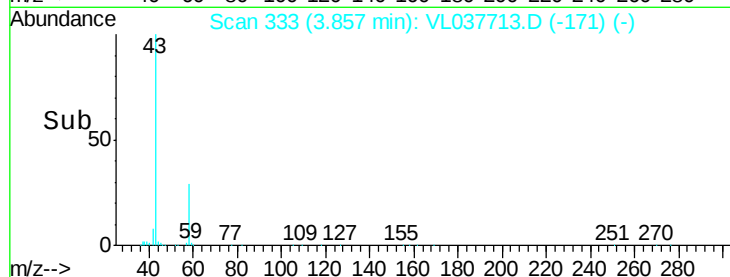
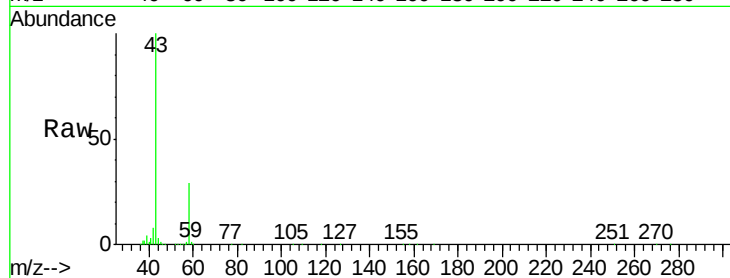
Manual Integrations

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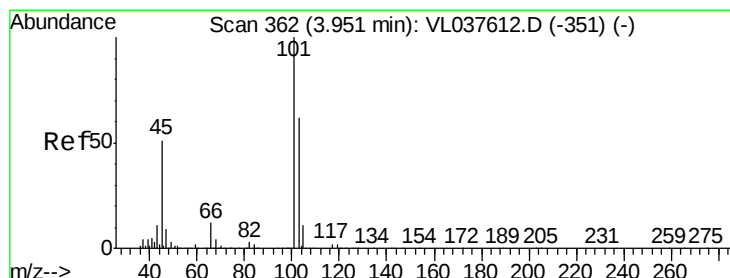
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10/1/2021 10:11:30 AM



#19

Isopropyl Alcohol

Concen: 2.059 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.04 min

Lab File: VL037713.D

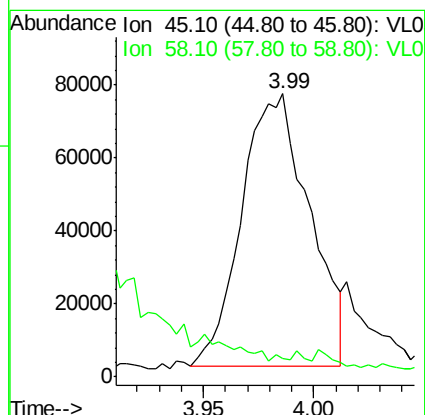
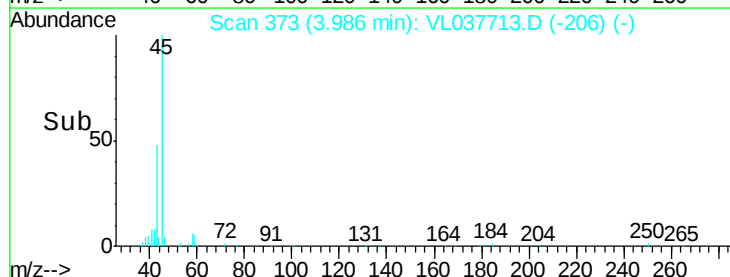
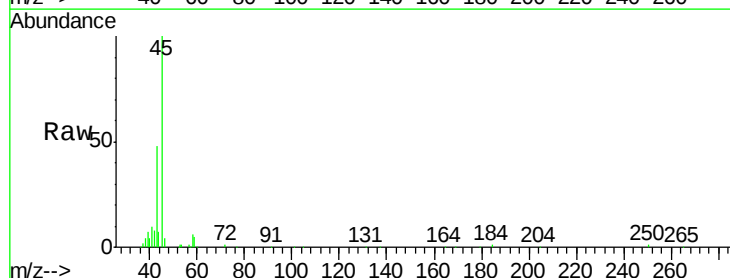
Acq: 28 Sep 2021 21:55

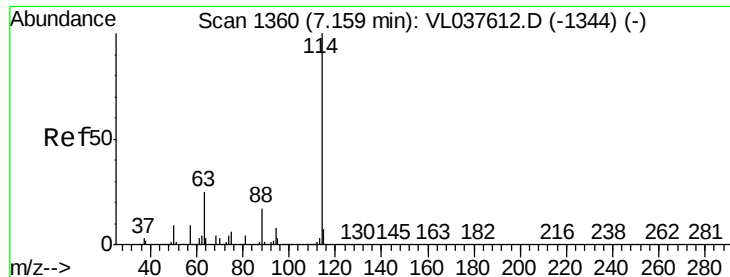
Tgt Ion: 45 Resp: 159432

Ion Ratio Lower Upper

45 100

58 362.0 2.9 4.3#



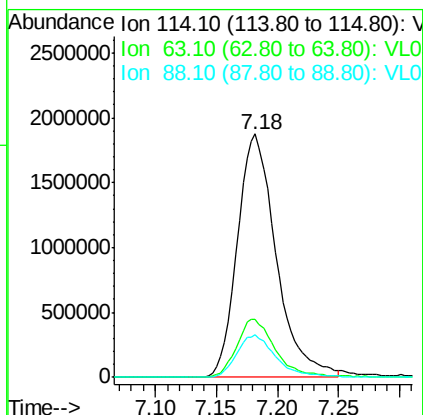
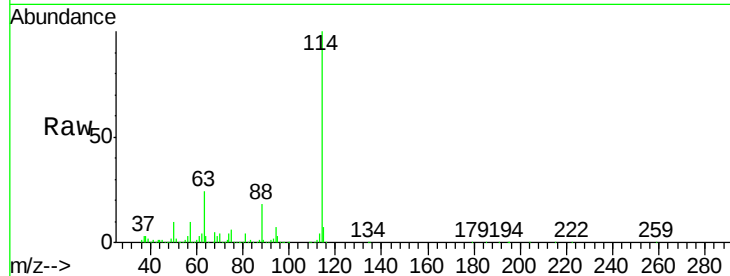


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 SV3DL
 Acq: 28 Sep 2021 21:55

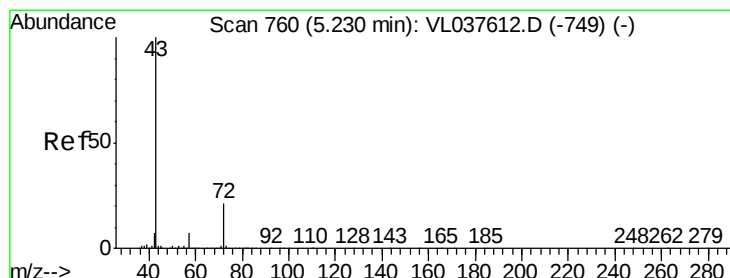
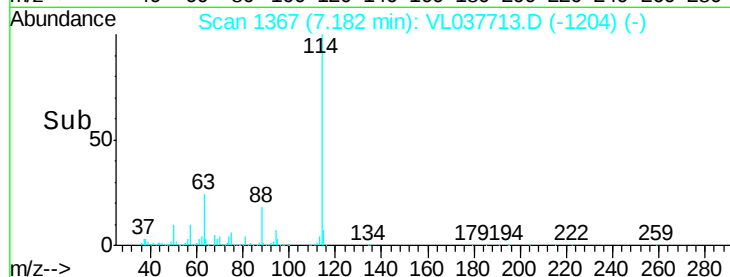
Tgt Ion: 1
 Ion Ratio
 114 100
 63 24.
 88 17.

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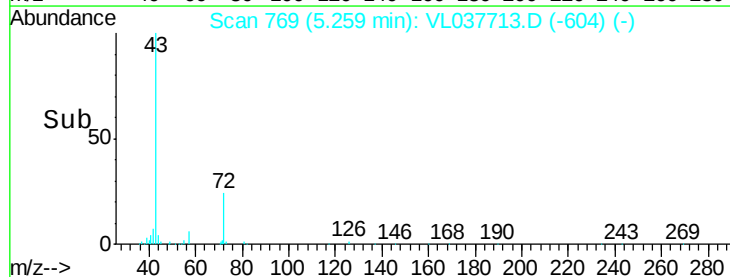
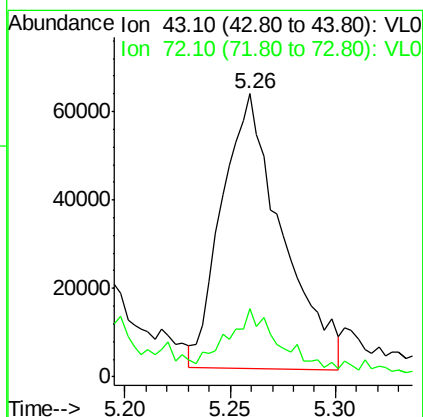
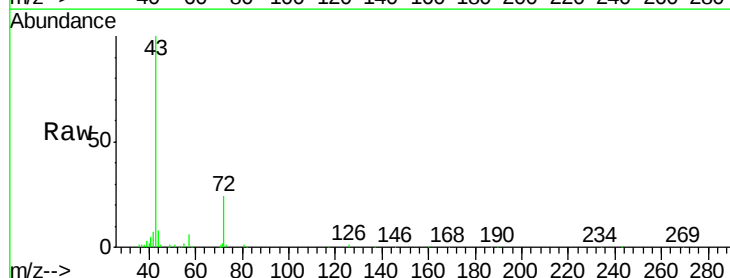


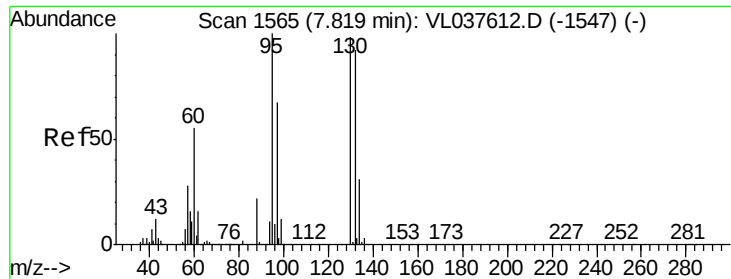
10/11/2021 11:01:30 AM



#34
 2-Butanone
 Concen: 0.734 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL037713.D
 Acq: 28 Sep 2021 21:55

Tgt Ion: 43 Resp: 123361
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.4 27.6





#38

Trichloroethene

Concen: 0.313 ppbv m

RT: 7.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 21:55 SV3DL

Tgt Ion:1

Ion Ratio

130 100

95 81.

132 95.

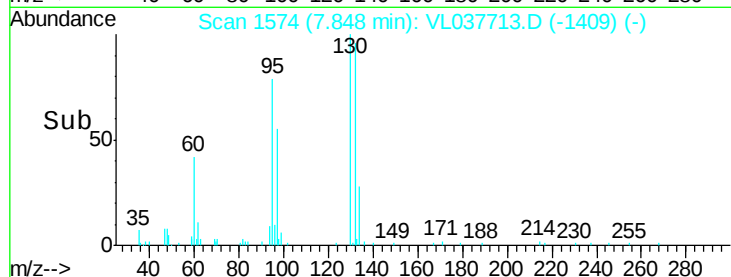
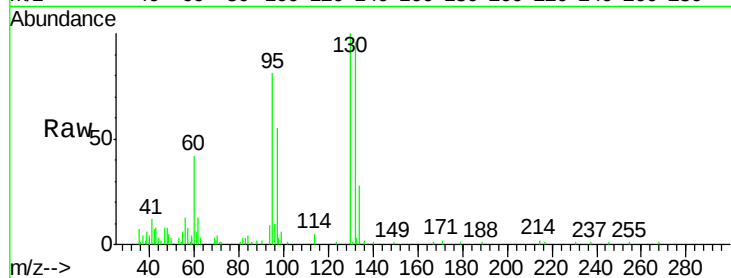
97 55.5

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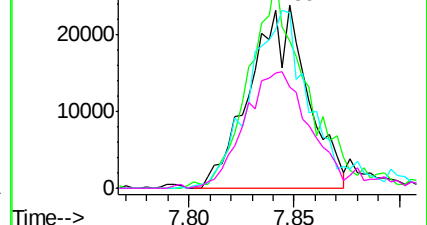


Abundance Ion 130.00 (129.70 to 130.70): V

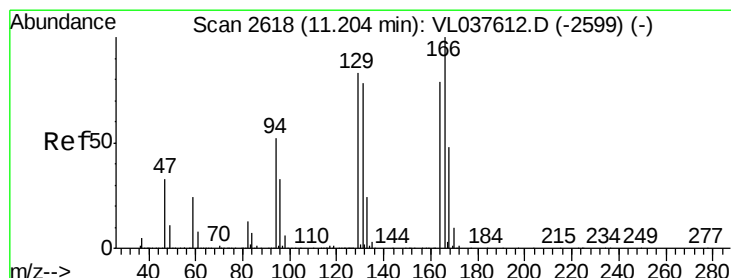
Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



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#52

Tetrachloroethene

Concen: 0.744 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. 0.02 min

Lab File: VL037713.D

Acq: 28 Sep 2021 21:55

Tgt Ion:164 Resp: 98460

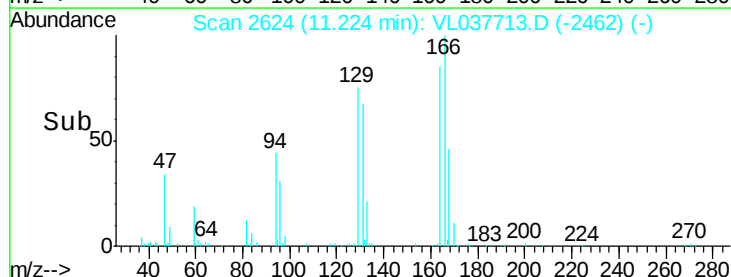
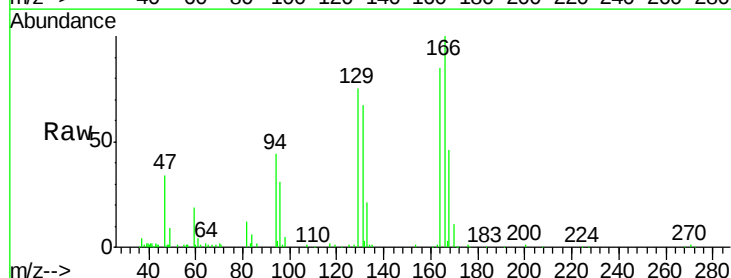
Ion Ratio Lower Upper

164 100

166 117.1 101.2 151.8

129 87.5 84.0 126.0

131 78.1 78.8 118.2#

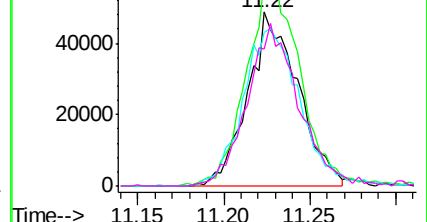


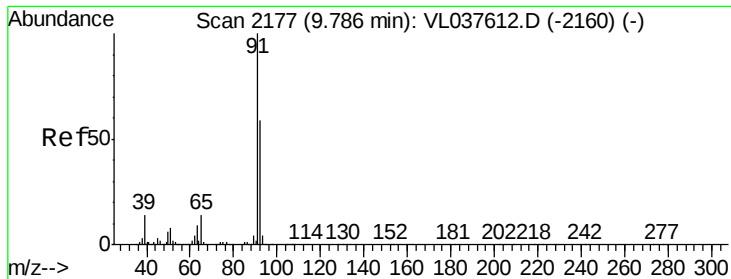
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.110 ppbv m

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 28 Sep 2021 21:55 SV3DL

Tgt Ion:

Ion Ratio

91 100

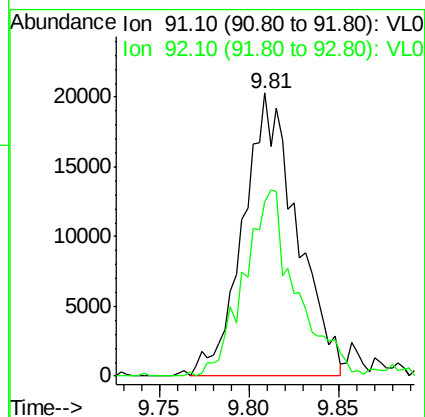
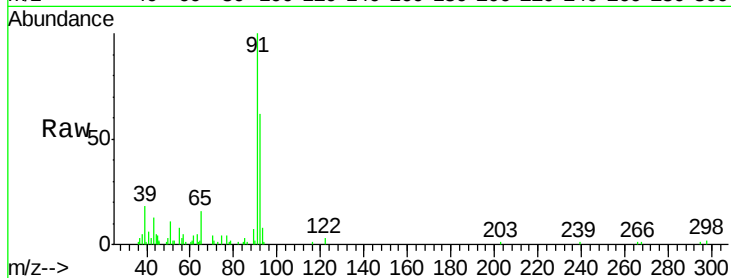
92 65.

Manual Integrations

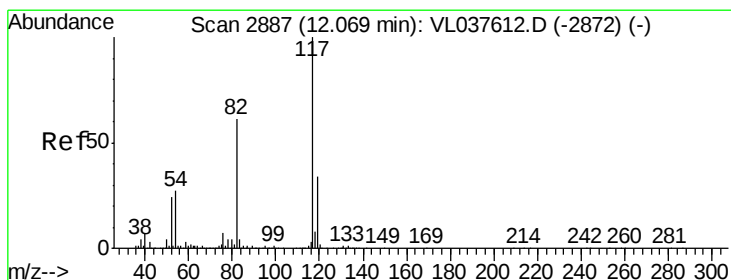
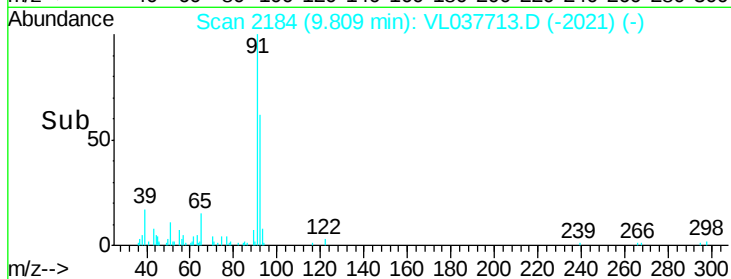
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.02 min

Lab File: VL037713.D

Acq: 28 Sep 2021 21:55

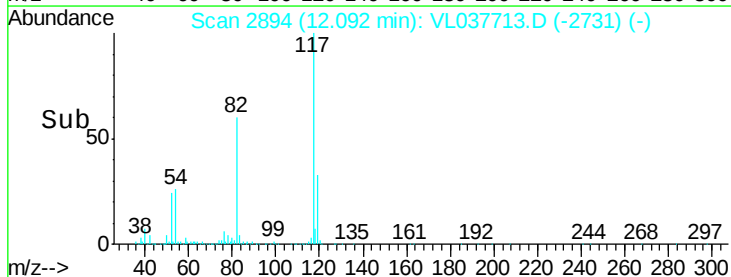
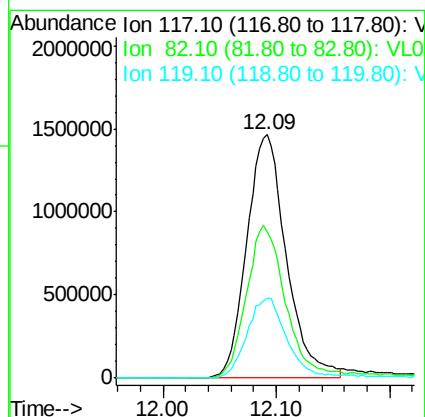
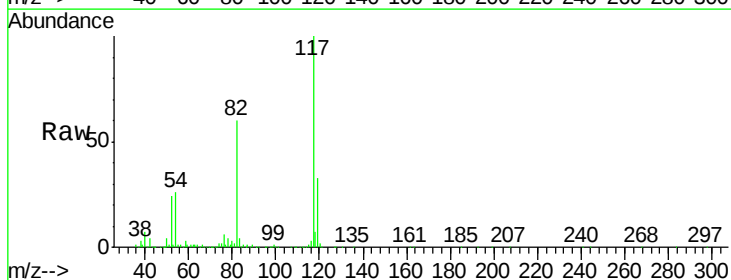
Tgt Ion:117 Resp: 3564538

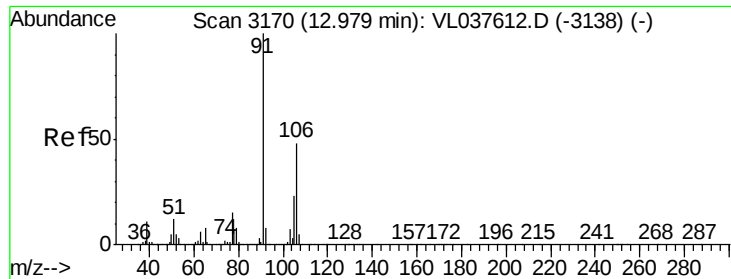
Ion Ratio Lower Upper

117 100

82 66.3 50.6 75.8

119 34.3 26.2 39.2





#59

m/p-Xylene

Concen: 0.123 ppbv m

RT: 12.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 21:55

Tgt Ion:

Ion Ratio

91 100

106 0.

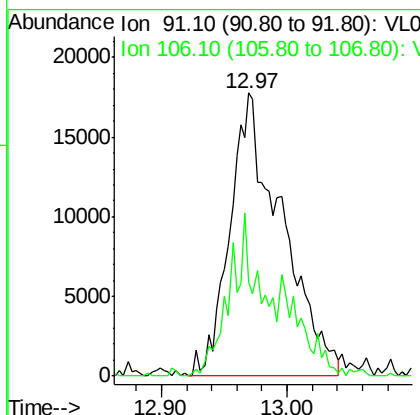
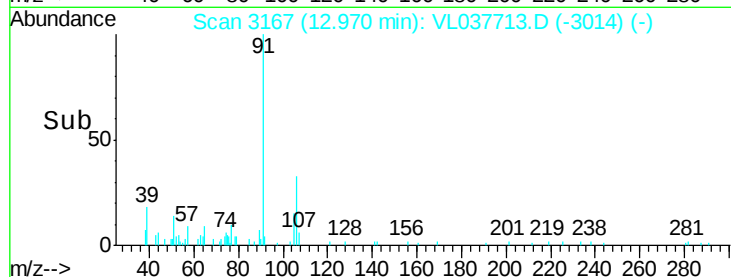
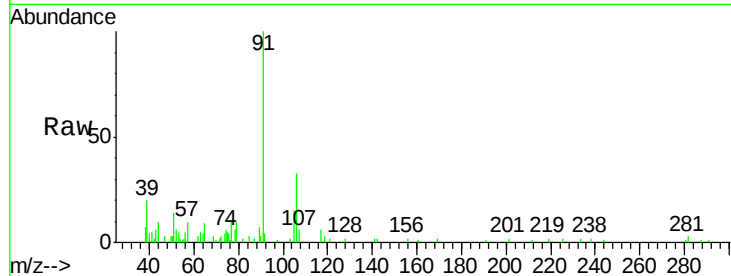
Manual Integrations

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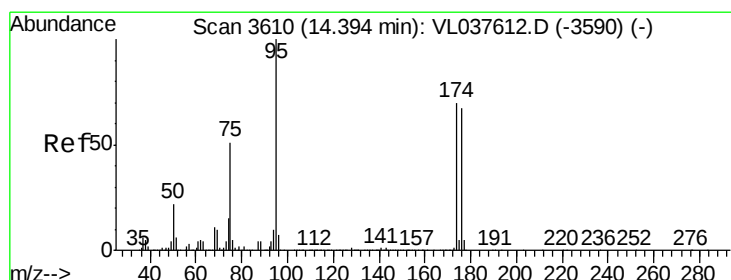
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Supervised By :Amit Patel 10/01/2021

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.010 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037713.D

Acq: 28 Sep 2021 21:55

Tgt Ion: 95 Resp: 2578702

Ion Ratio Lower Upper

95 100

174 76.7 56.3 84.5

175 6.1 4.4 6.6

