

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037720.D
 Acq On : 29 Sep 2021 2:18
 Operator : SY/AP
 Sample : M3948-06DUPDL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DLDDUP

Manual Integrations
 APPROVED

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

Quant Time: Sep 29 21:16:24 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1314198	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3982006	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3368964	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2382692	9.79	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	58046m	0.664	ppbv	
13) Ethanol	3.62	45	21211m	2.480	ppbv	
15) Acetone	3.85	43	2074418	15.192	ppbv	97
34) 2-Butanone	5.27	43	159093	0.983	ppbv #	86
38) Trichloroethene	7.84	130	99646	0.718	ppbv	93
52) Tetrachloroethene	11.23	164	542768	4.258	ppbv	97
53) Toluene	9.81	91	39569m	0.107	ppbv	
59) m/p-Xylene	12.97	91	69563m	0.178	ppbv	
60) o-Xylene	13.70	91	43761m	0.118	ppbv	

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

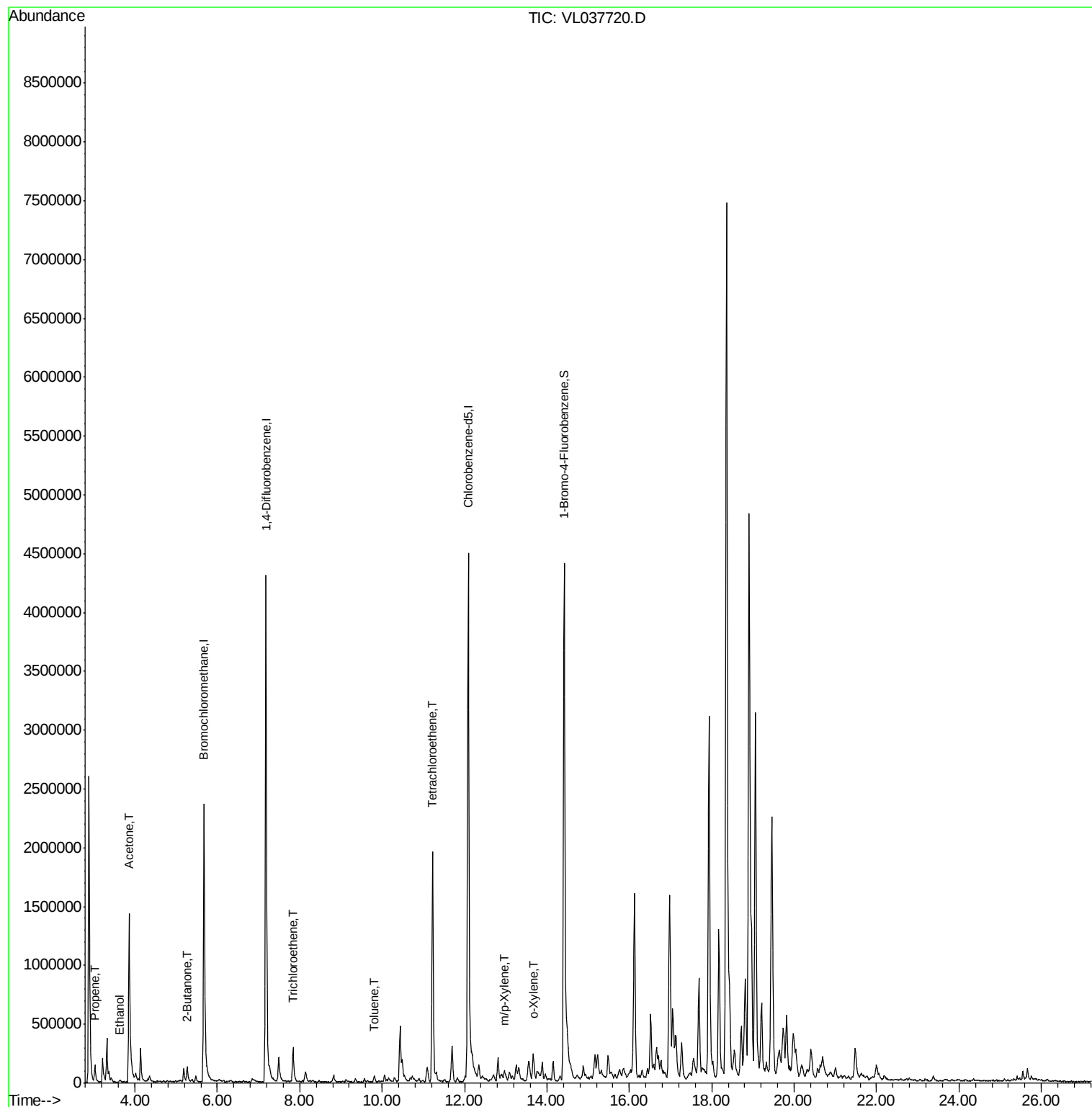
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Data File : VL037720.D
Acq On : 29 Sep 2021 2:18
Operator : SY/AP
Sample : M3948-06DUPDL 40X
Misc : 400mL/MSVOA_L
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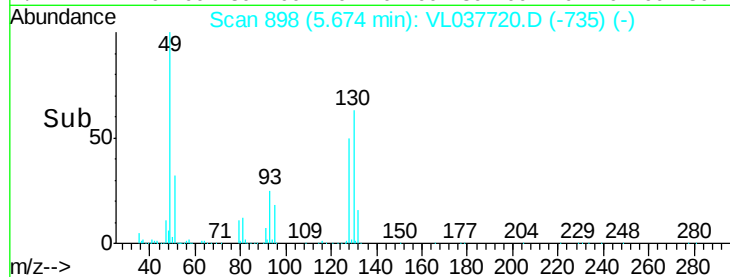
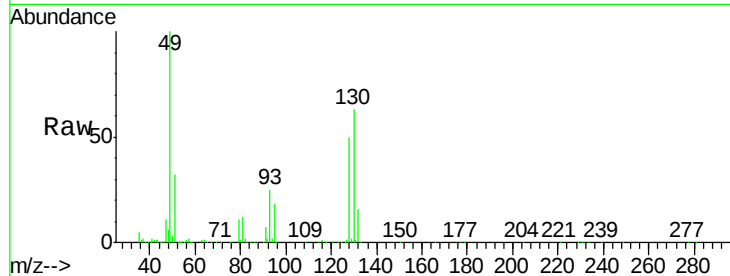
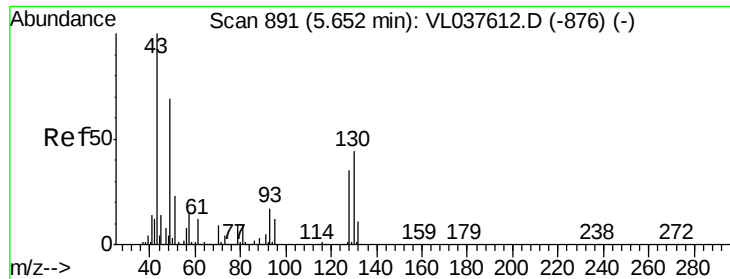
Instrument :
MSVOA_L
ClientSampleId :
SV6DL DUP

Quant Time: Sep 29 21:16:24 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621.M
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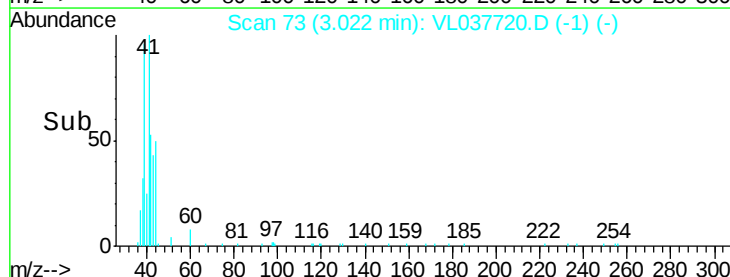
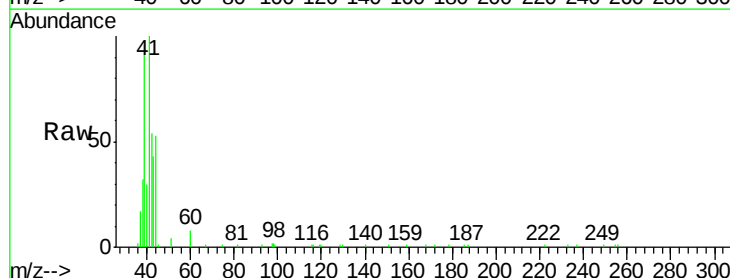
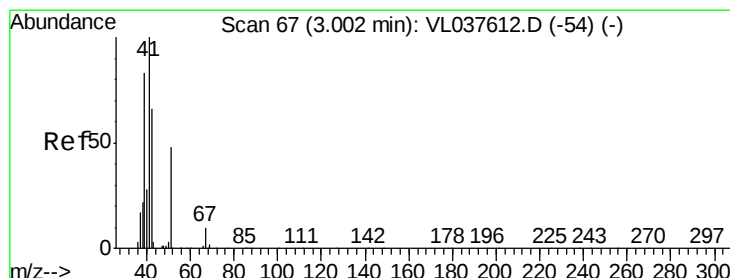
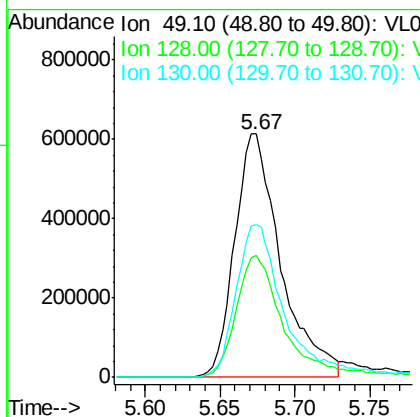


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV6DLDP
Acq: 29 Sep 2021 2:18

Tgt Ion:
Ion Ratio
49 100
128 54.
130 69.

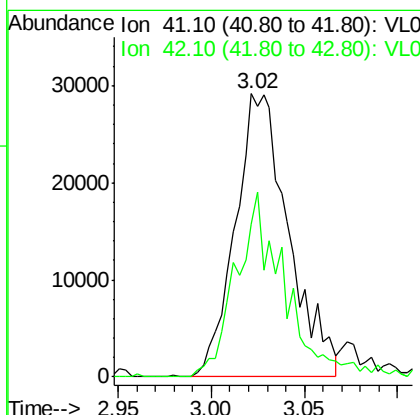
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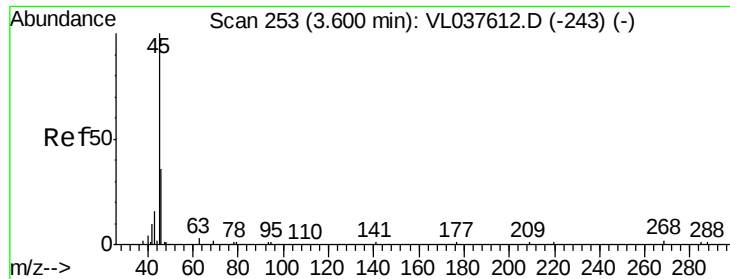
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Supervised By :Amit Patel 10/01/2021



#9
Propene
Concen: 0.664 ppbv m
RT: 3.02 min Scan# 73
Delta R.T. 0.02 min
Lab File: VL037720.D
Acq: 29 Sep 2021 2:18

Tgt Ion: 41 Resp: 58046
Ion Ratio Lower Upper
41 100
42 17.4 57.2 85.8#



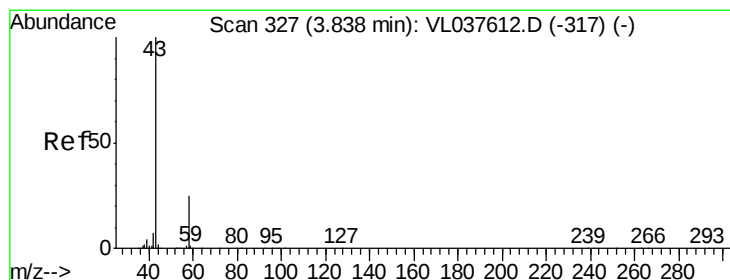
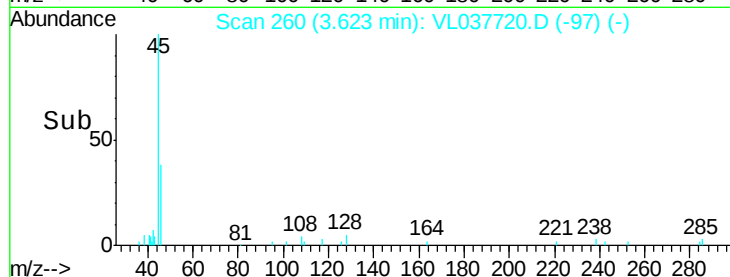
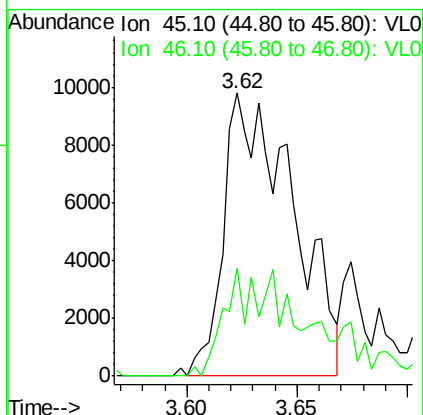
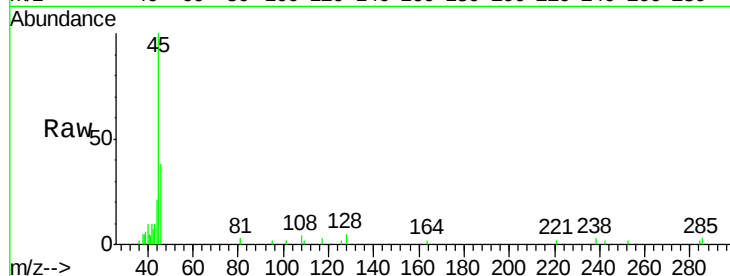


#13
Ethanol
Concen: 2.480 ppbv m
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV6DLDP
Acq: 29 Sep 2021 2:18

Tgt Ion:
Ion Ratio
45 100
46 29.

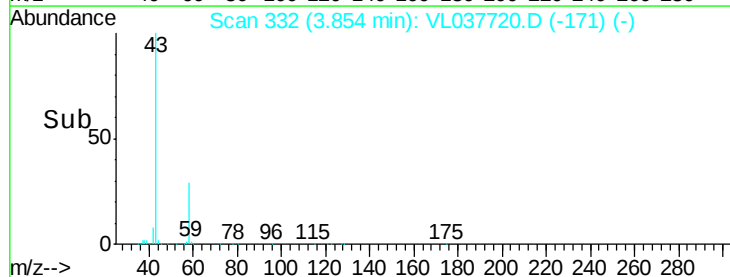
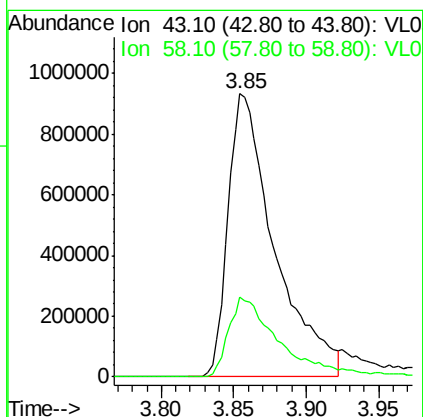
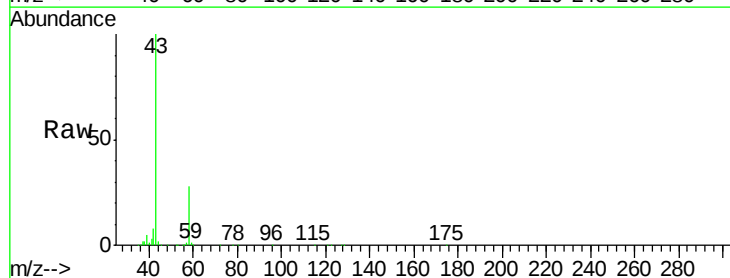
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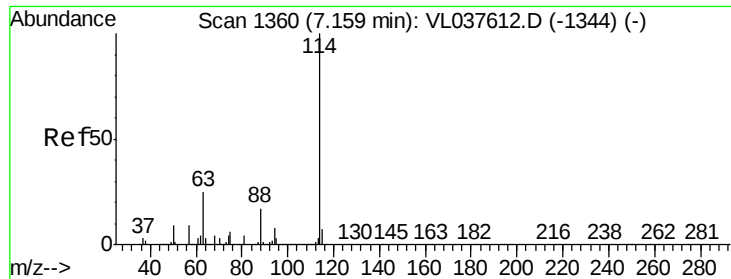
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Supervised By :Amit Patel 10/01/2021



#15
Acetone
Concen: 15.192 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037720.D
Acq: 29 Sep 2021 2:18

Tgt Ion: 43 Resp: 2074418
Ion Ratio Lower Upper
43 100
58 32.7 24.9 37.3



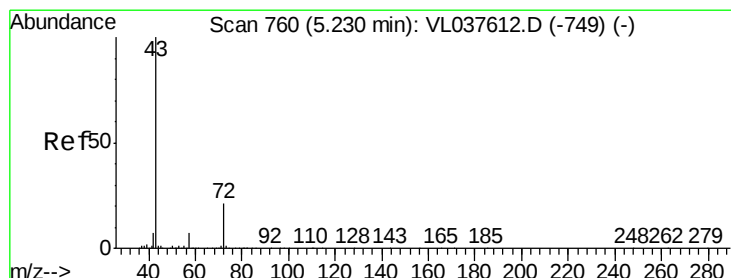
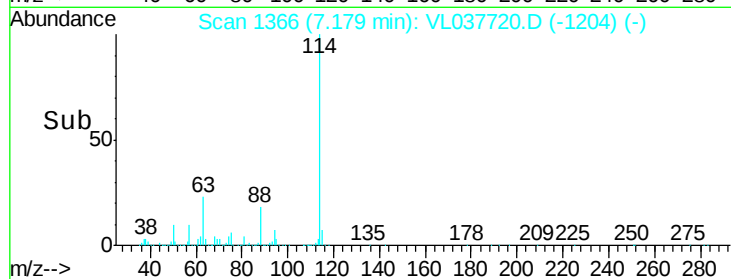
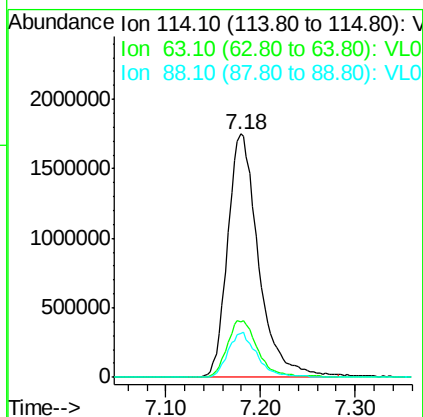
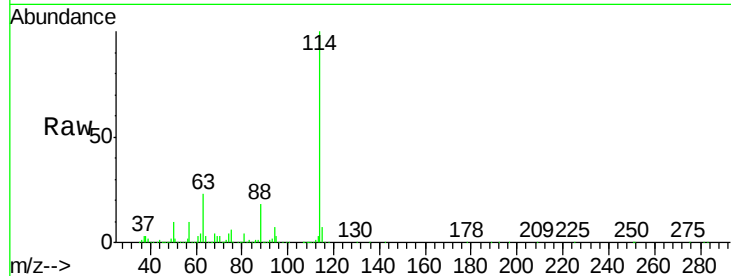


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 SV6DLDP
 Acq: 29 Sep 2021 2:18

Tgt Ion: 1
 Ion Ratio
 114 100
 63 23.
 88 17.

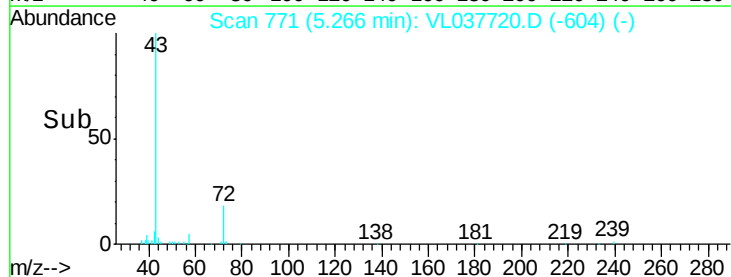
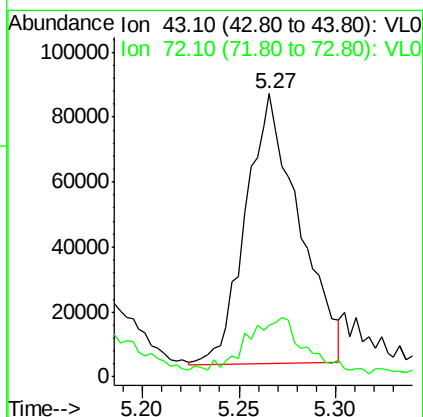
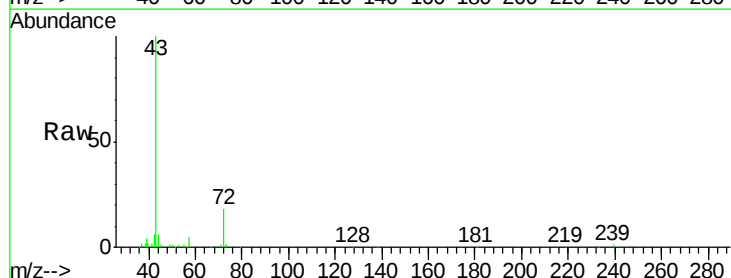
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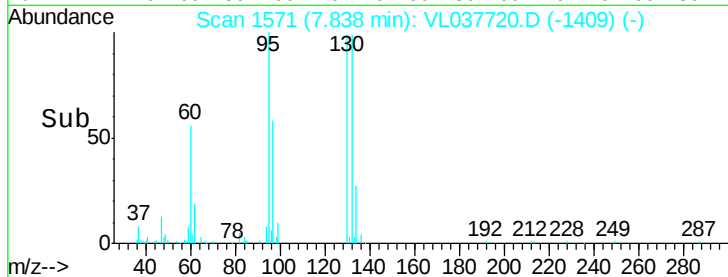
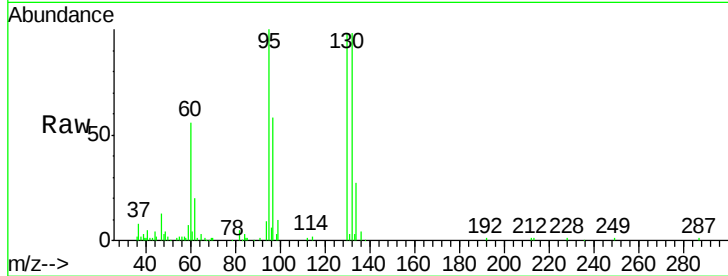
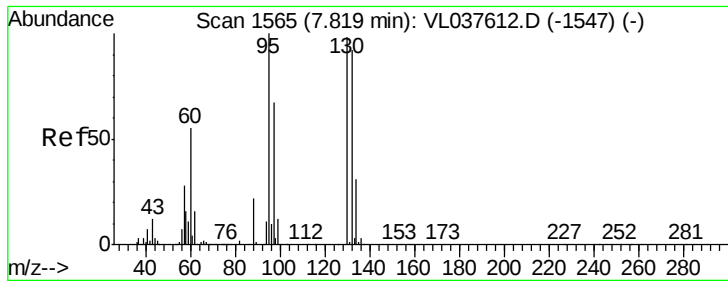
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 Supervised By :Amit Patel 10/01/2021



#34
 2-Butanone
 Concen: 0.983 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.04 min
 Lab File: VL037720.D
 Acq: 29 Sep 2021 2:18

Tgt Ion: 43 Resp: 159093
 Ion Ratio Lower Upper
 43 100
 72 30.0 18.4 27.6#



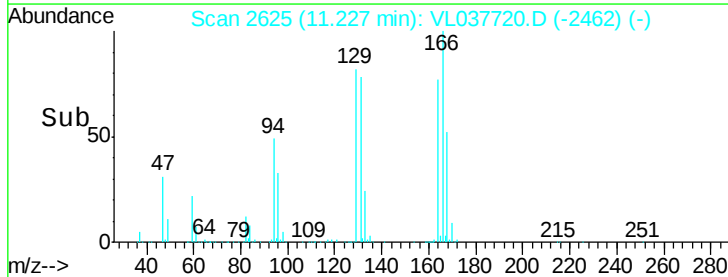
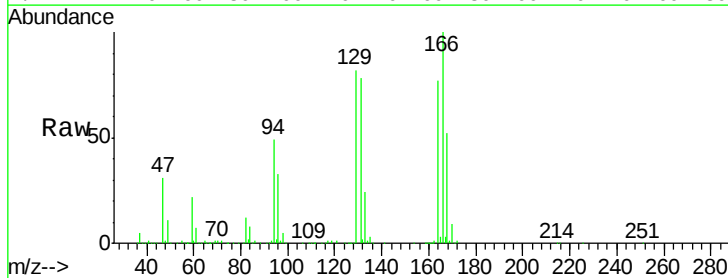
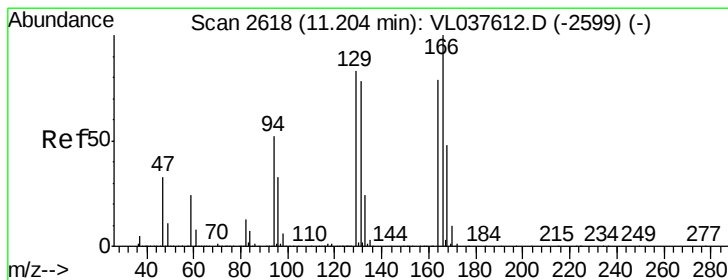
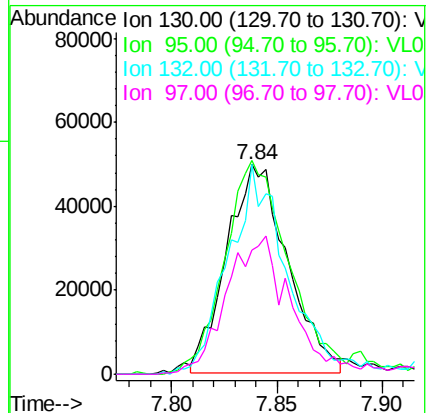


#38
 Trichloroethene
 Concen: 0.718 ppbv
 RT: 7.84
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 SV6DLDP
 Acq: 29 Sep 2021 2:18

Tgt Ion:1
 Ion Ratio
 130 100
 95 99.
 132 100.
 97 56.4 54.7 82.1

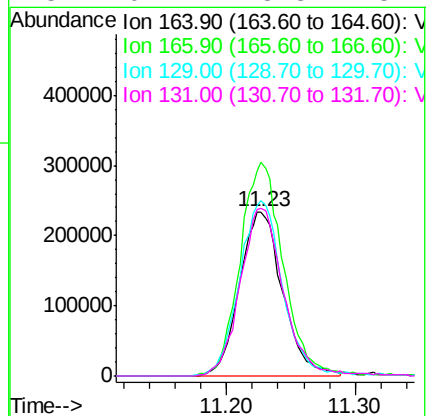
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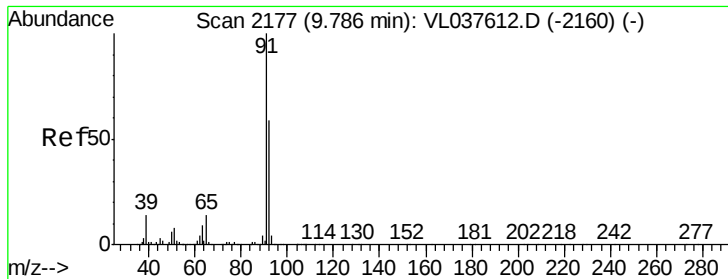
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 Supervised By :Amit Patel 10/01/2021



#52
 Tetrachloroethene
 Concen: 4.258 ppbv
 RT: 11.23 min Scan# 2625
 Delta R.T. 0.02 min
 Lab File: VL037720.D
 Acq: 29 Sep 2021 2:18

Tgt Ion:164 Resp: 542768
 Ion Ratio Lower Upper
 164 100
 166 130.0 101.2 151.8
 129 106.4 84.0 126.0
 131 102.1 78.8 118.2





#53

Toluene

Concen: 0.107 ppbv m

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 2:18 SV6DLDP

Tgt Ion:

Ion Ratio

91 100

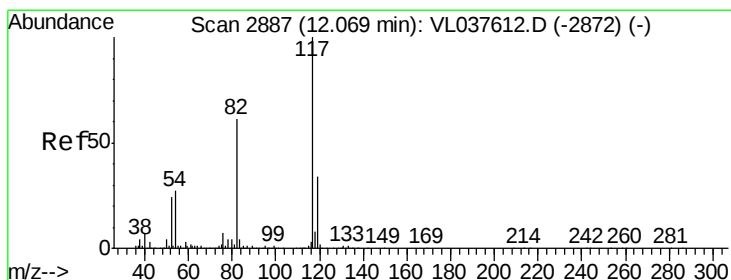
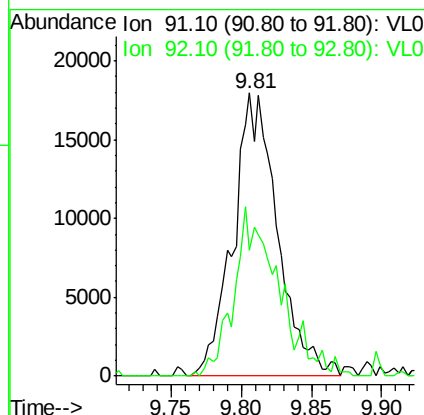
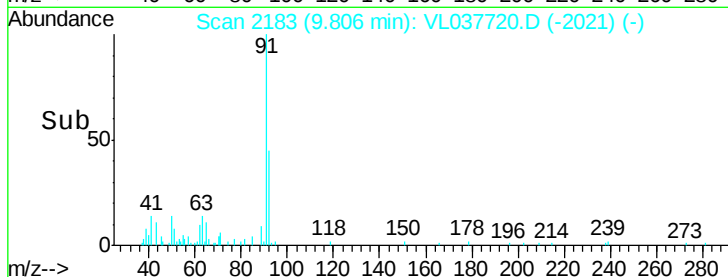
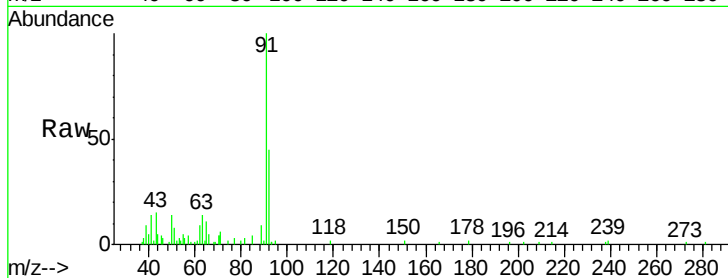
92 0.

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: VL037720.D

Acq: 29 Sep 2021 2:18

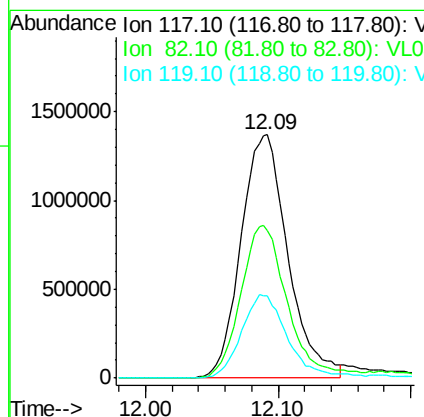
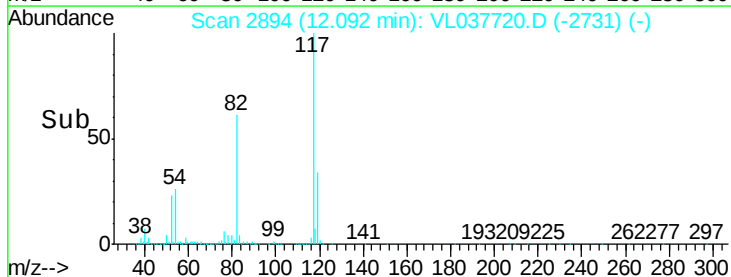
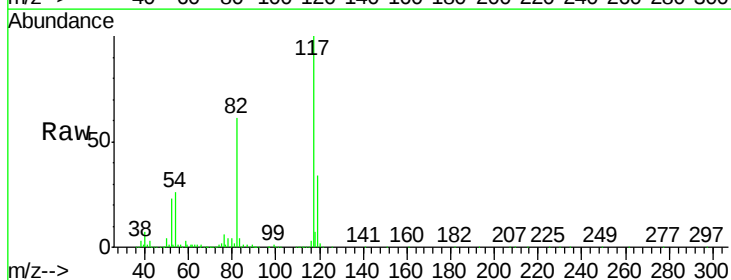
Tgt Ion:117 Resp: 3368964

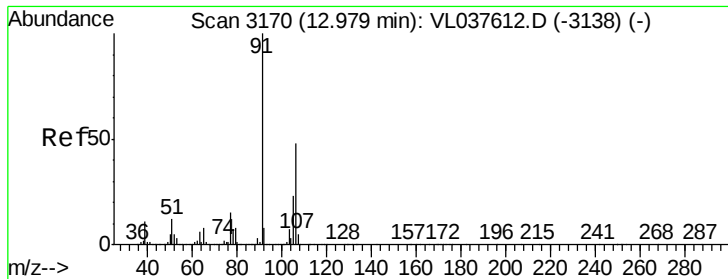
Ion Ratio Lower Upper

117 100

82 67.6 50.6 75.8

119 35.2 26.2 39.2



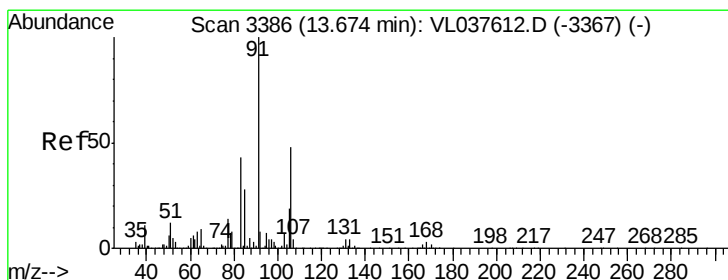
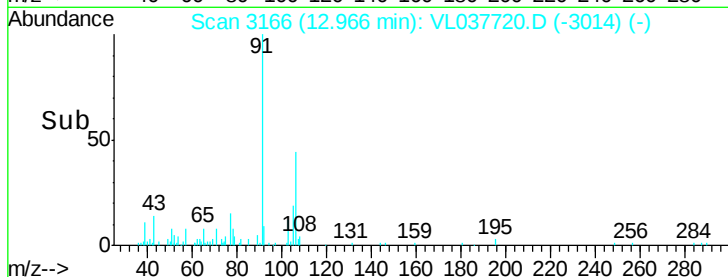
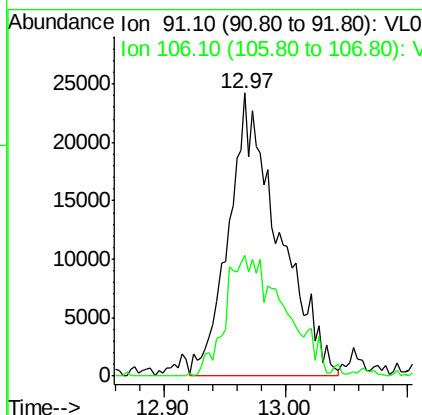
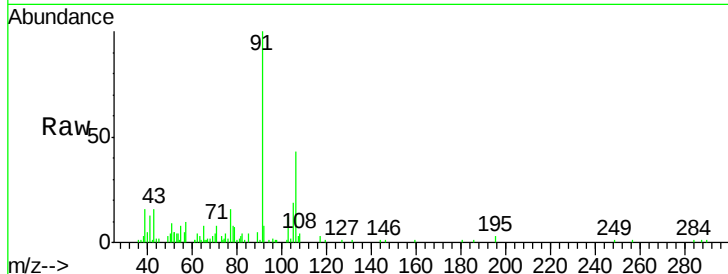


#59
m/p-Xylene
Concen: 0.178 ppbv m
RT: 12.97 min
Instrument: MSVOA_L
Delta R.T.: 0.02 min
Lab File: VL037720.D
Acq: 29 Sep 2021 2:18
ClientSampleId: SV6DLDP

Tgt Ion: 91
Ion Ratio: 100
106 0.

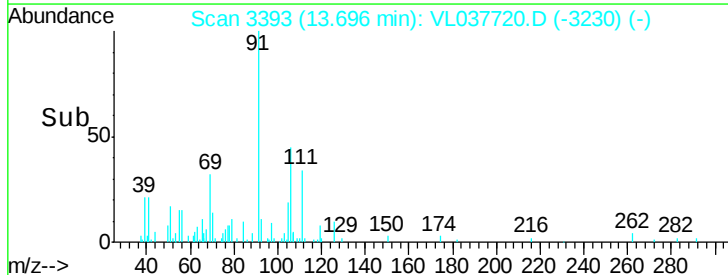
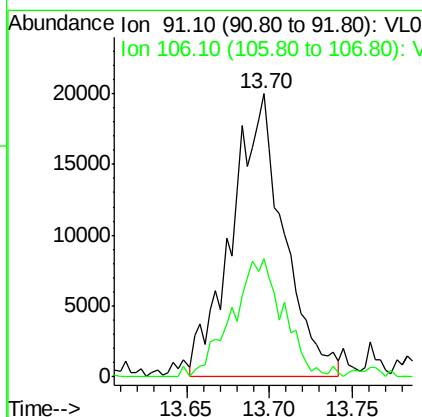
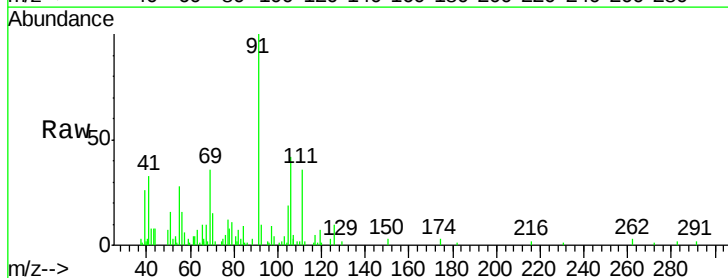
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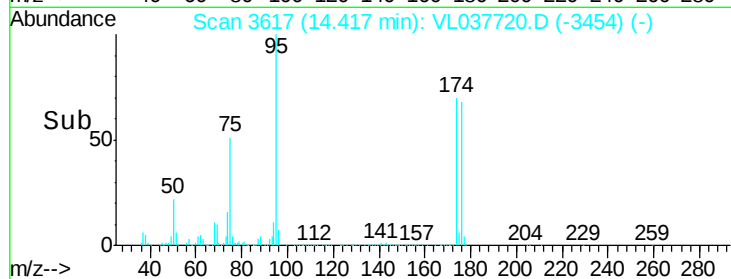
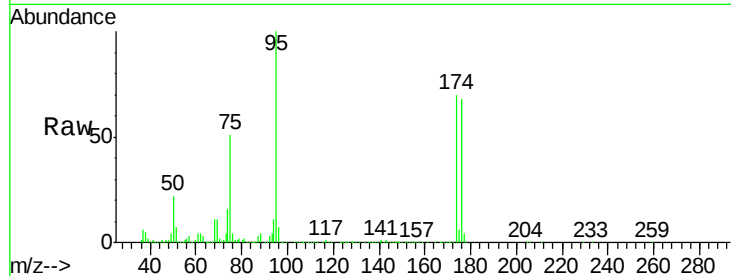
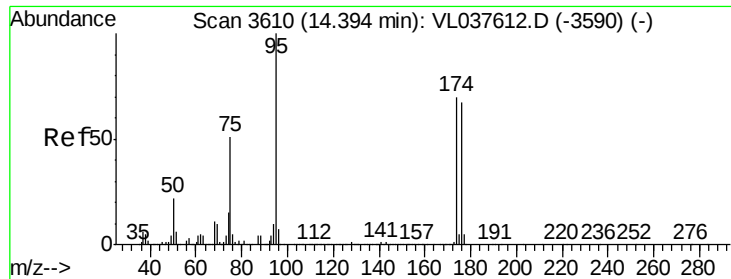
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



#60
o-Xylene
Concen: 0.118 ppbv m
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL037720.D
Acq: 29 Sep 2021 2:18

Tgt Ion: 91 Resp: 43761
Ion Ratio Lower Upper
91 100
106 43.1 23.0 69.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.786 ppbv
 RT: 14.42
 Delta R.T.
 Lab File:
 Acq: 29 Sep 2021 2.18

Tgt Ion:
 Ion Ratio
 95 100
 174 79.
 175 5.

Manual Integrations
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