

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042192.D
 Acq On : 27 Mar 2025 22:29
 Operator : SY/MD
 Sample : Q1669-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B16-1-3262025DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 02:18:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	182834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	517445	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	472334	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	383930	9.898	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
13) Ethanol	1.722	45	18353	15.359	ppbv #	27
15) Acetone	1.835	43	97895	3.828	ppbv	95
20) Methylene Chloride	2.062	84	2299	0.241	ppbv #	79
34) 2-Butanone	2.564	43	9065	0.242	ppbv	97
50) 4-Methyl-2-Pentanone	5.774	43	10001m	0.168	ppbv	
53) Toluene	6.933	91	34361	0.565	ppbv	100
59) m/p-Xylene	9.532	91	11656m	0.174	ppbv	

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

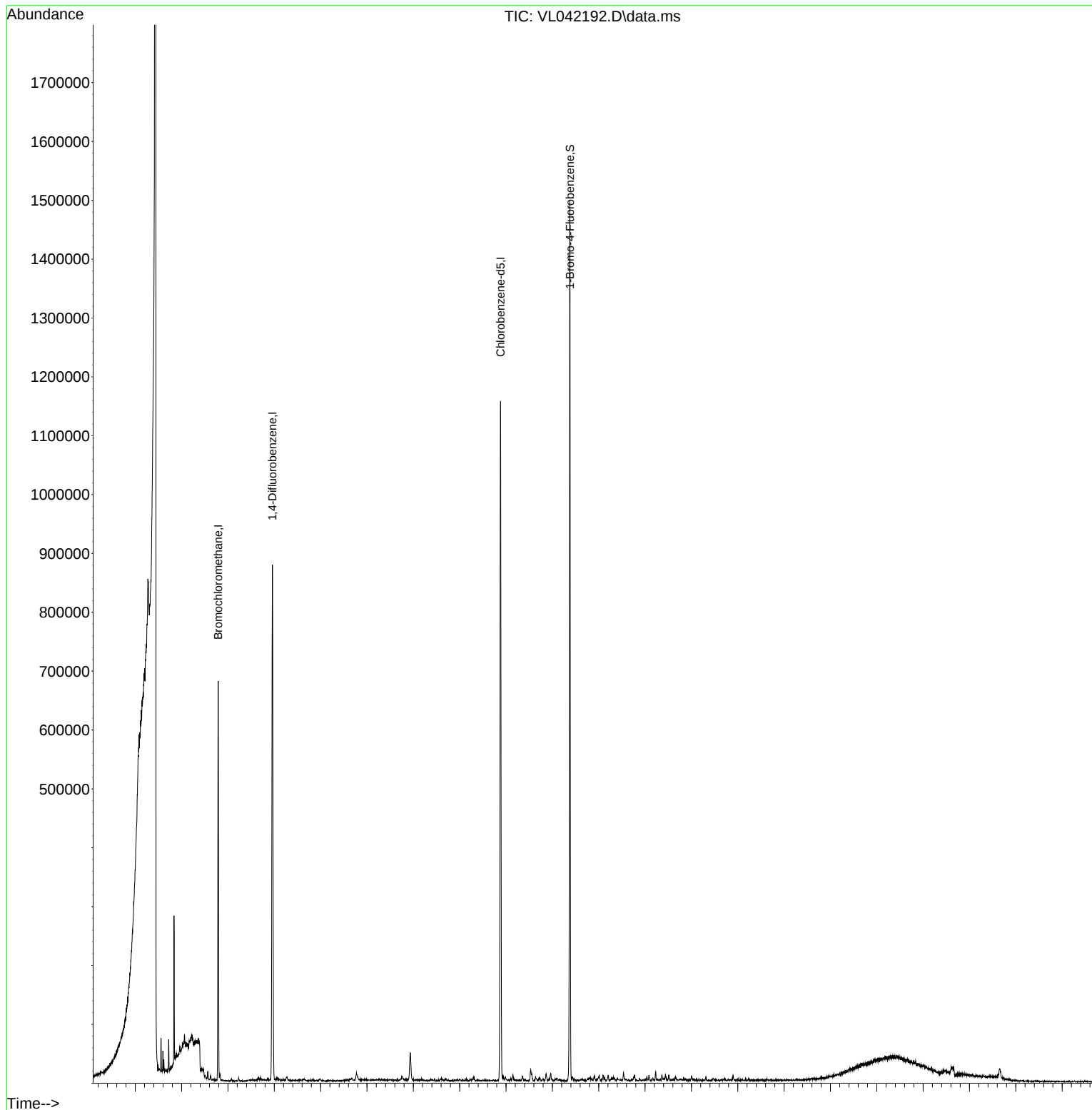
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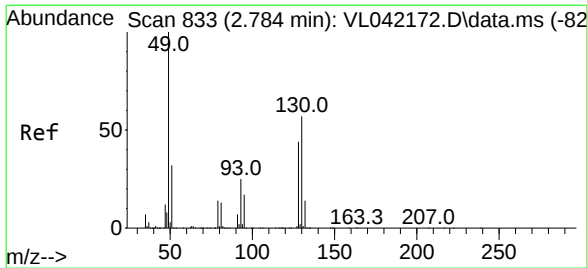
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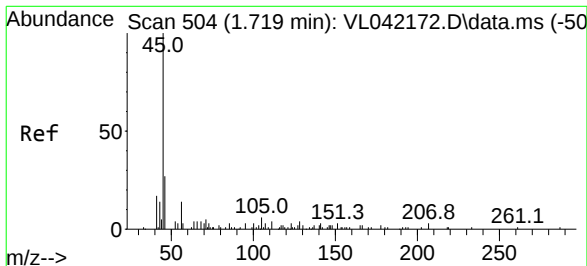
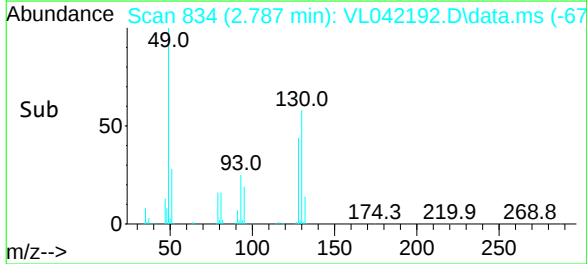
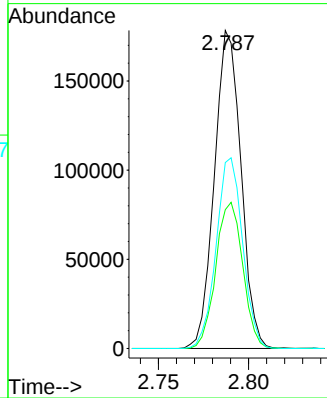
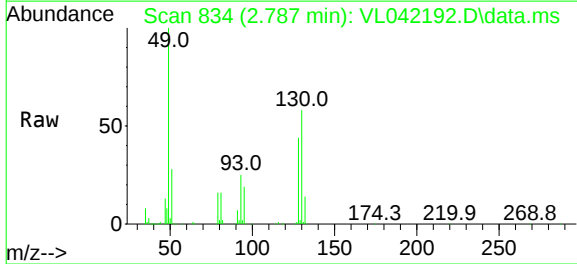
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 83
Delta R.T. 0.003 min
Lab File: VL042192.D
Acq: 27 Mar 2025 22:29

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025DL

Tgt Ion: 49 Resp: 182834
Ion Ratio Lower Upper
49 100
128 46.7 22.9 68.5
130 59.8 28.8 86.4

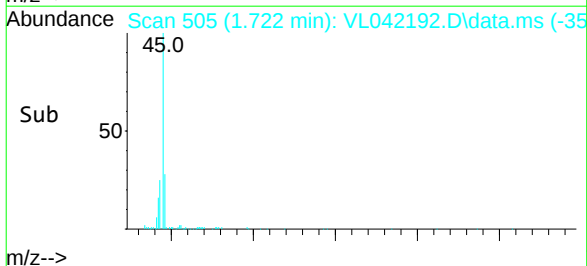
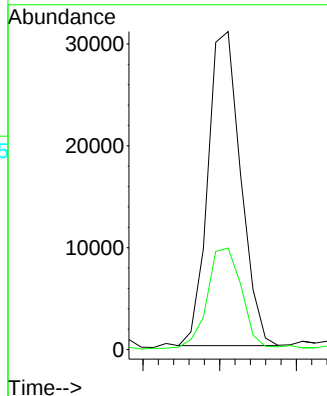
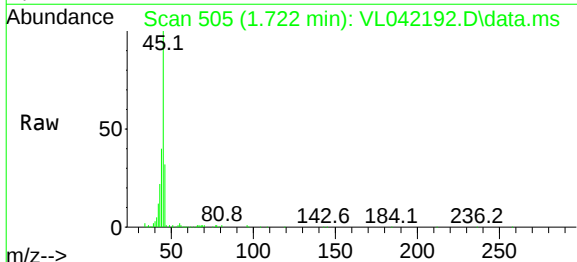
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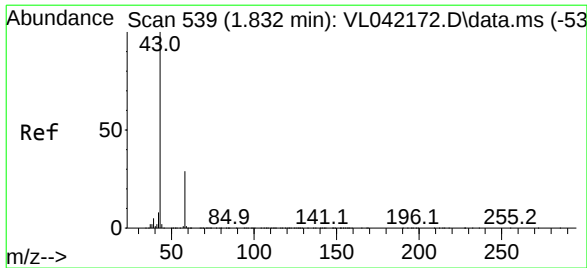
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#13
Ethanol
Concen: 15.359 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042192.D
Acq: 27 Mar 2025 22:29

Tgt Ion: 45 Resp: 18353
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





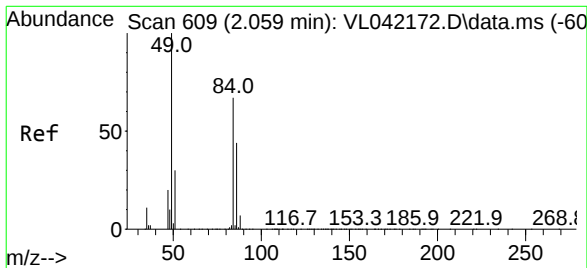
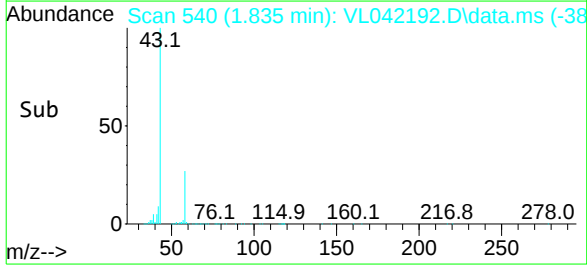
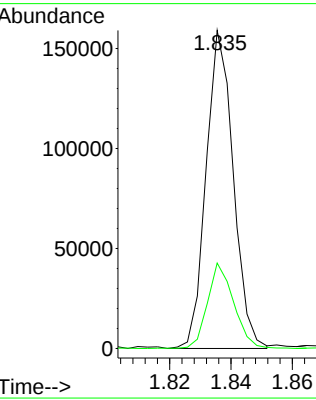
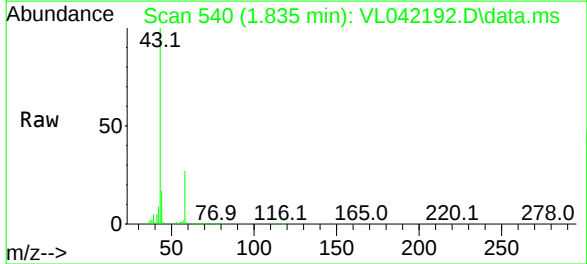
#15
Acetone
Concen: 3.828 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042192.D
Acq: 27 Mar 2025 22:29

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025DL

Tgt Ion: 43 Resp: 97895
Ion Ratio Lower Upper
43 100
58 26.4 23.2 34.8

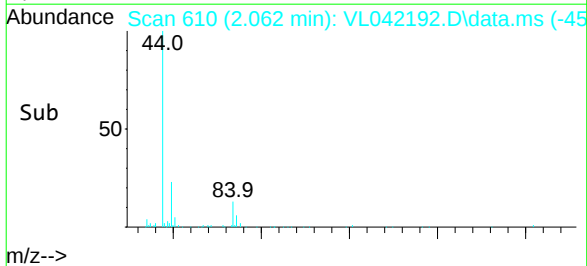
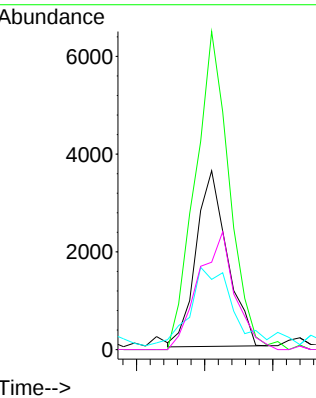
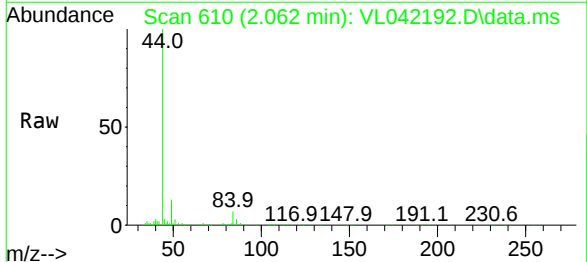
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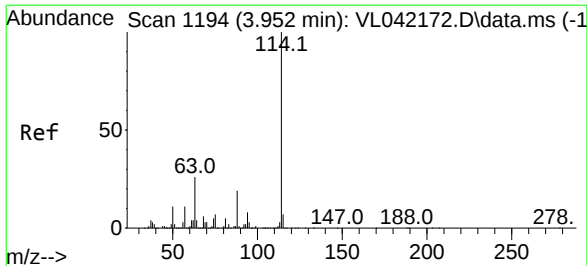
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 0.241 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042192.D
Acq: 27 Mar 2025 22:29

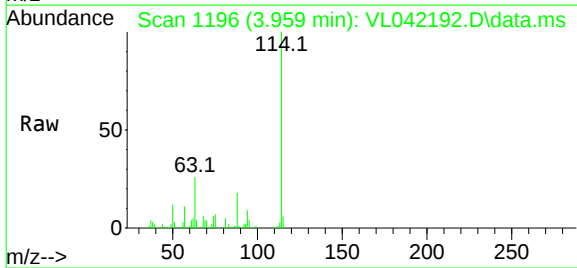
Tgt Ion: 84 Resp: 2299
Ion Ratio Lower Upper
84 100
49 179.1 120.2 180.4
51 34.5 37.4 56.0#
86 49.9 52.4 78.6#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.006 min
Lab File: VL042192.D
Acq: 27 Mar 2025 22:29

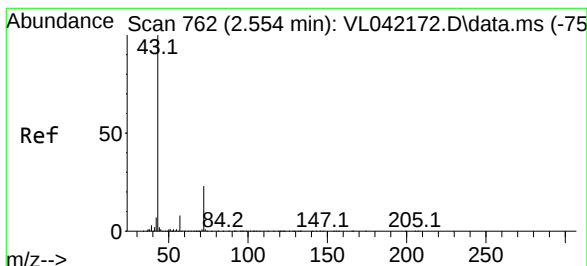
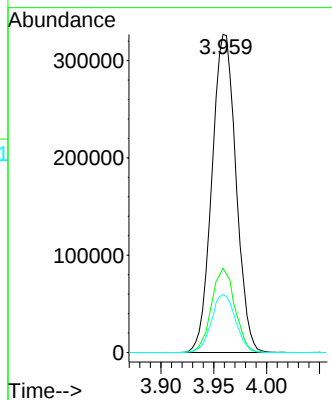
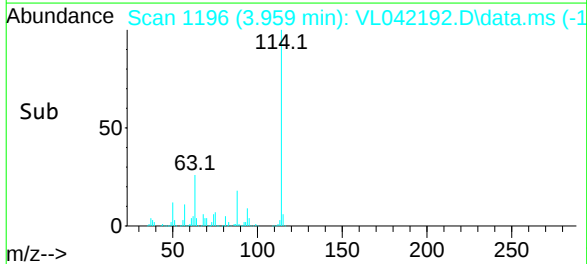
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025DL



Tgt Ion: 114 Resp: 517445
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 18.3 15.0 22.4

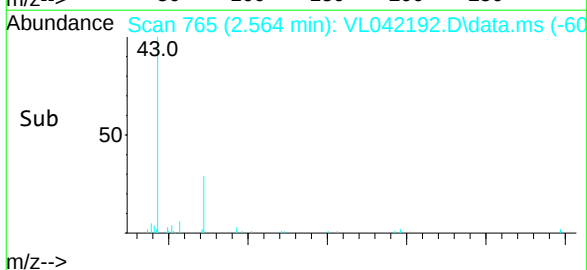
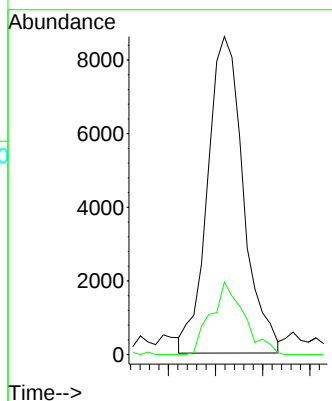
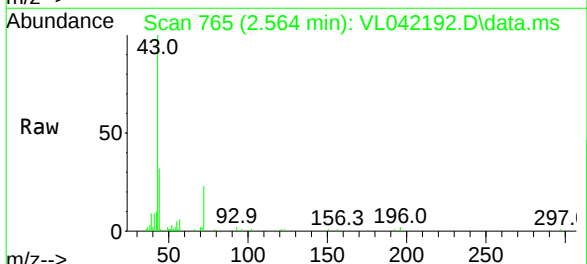
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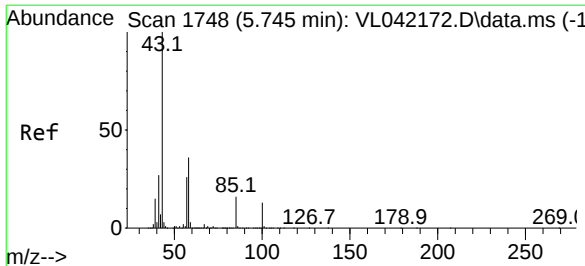
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#34
2-Butanone
Concen: 0.242 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042192.D
Acq: 27 Mar 2025 22:29

Tgt Ion: 43 Resp: 9065
Ion Ratio Lower Upper
43 100
72 21.4 18.2 27.2





#50

4-Methyl-2-Pentanone

Concen: 0.168 ppbv m

RT: 5.774 min Scan# 17

Delta R.T. 0.029 min

Lab File: VL042192.D

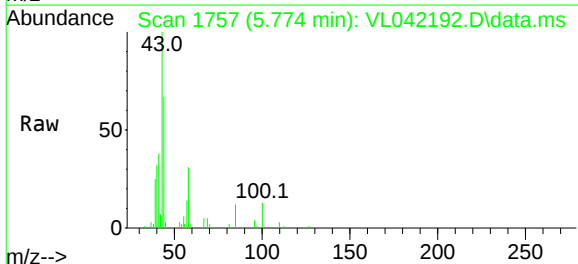
Acq: 27 Mar 2025 22:29

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B16-1-3262025DL



Tgt Ion: 43 Resp: 10001

Ion Ratio Lower Upper

43 100

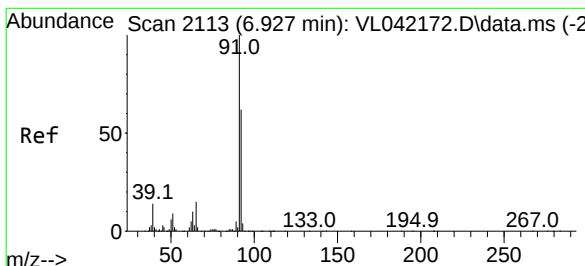
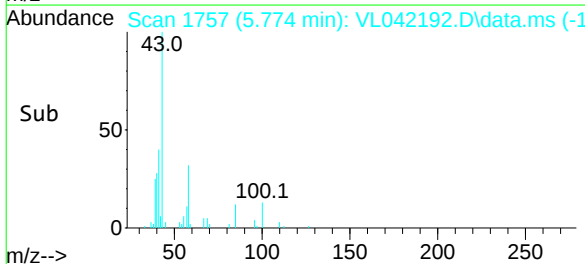
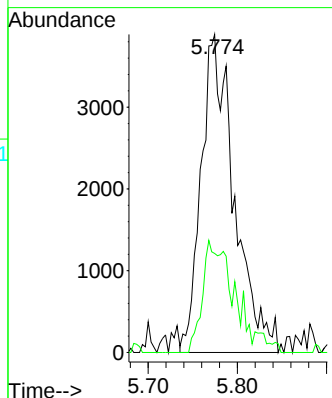
58 34.6 29.0 43.6

Manual Integrations

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#53

Toluene

Concen: 0.565 ppbv

RT: 6.933 min Scan# 2115

Delta R.T. 0.006 min

Lab File: VL042192.D

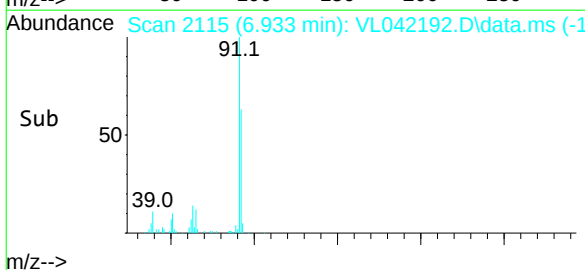
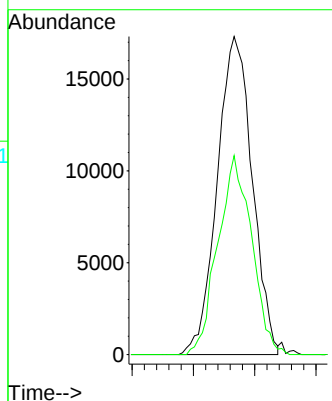
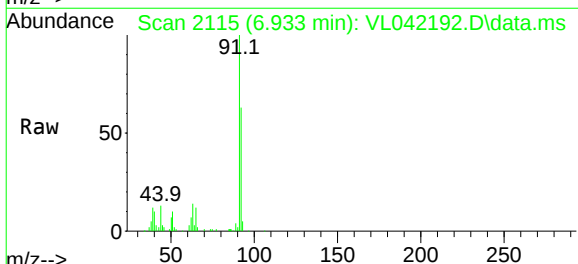
Acq: 27 Mar 2025 22:29

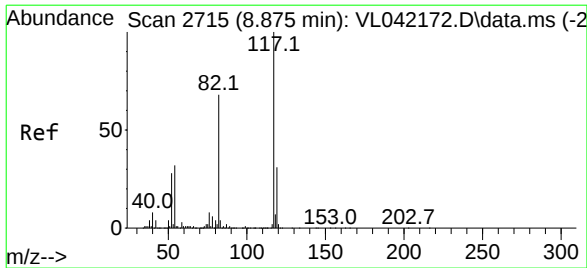
Tgt Ion: 91 Resp: 34361

Ion Ratio Lower Upper

91 100

92 60.3 48.4 72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2715

Delta R.T. 0.006 min

Lab File: VL042192.D

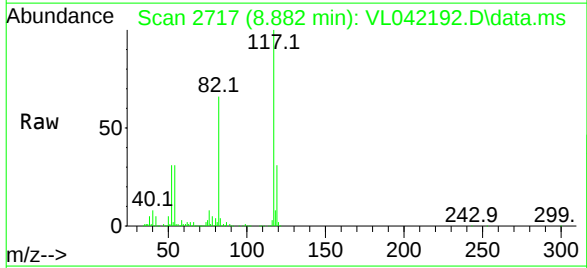
Acq: 27 Mar 2025 22:29

Instrument :

MSVOA_L

ClientSampleId :

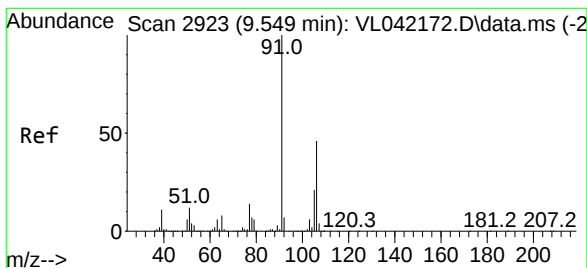
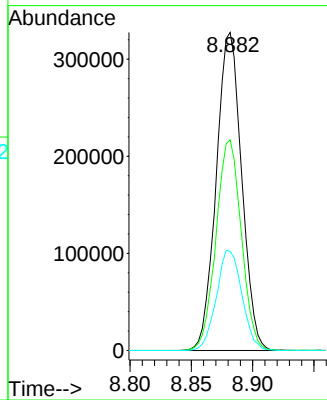
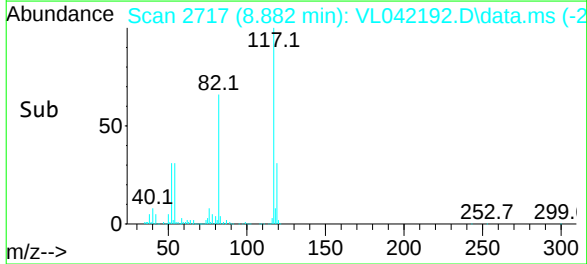
SSSG-B16-1-3262025DL



Tgt Ion:	117	Resp:	472334
Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.7	25.5	38.3

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#59

m/p-Xylene

Concen: 0.174 ppbv m

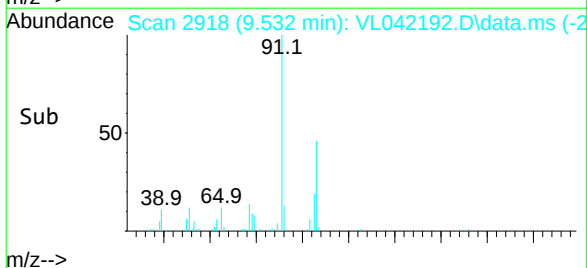
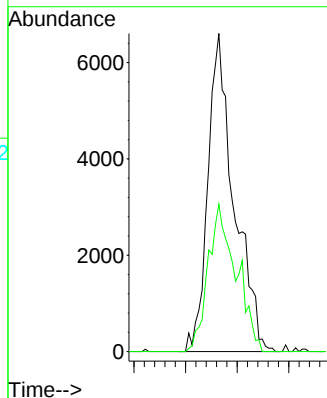
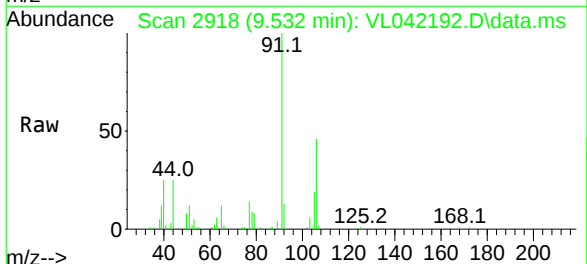
RT: 9.532 min Scan# 2918

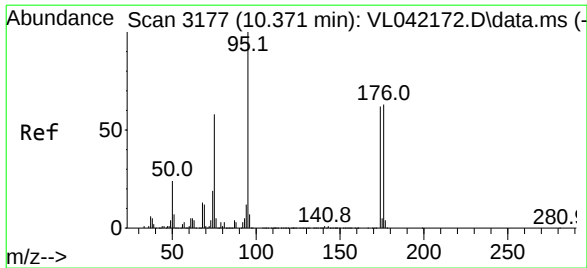
Delta R.T. -0.016 min

Lab File: VL042192.D

Acq: 27 Mar 2025 22:29

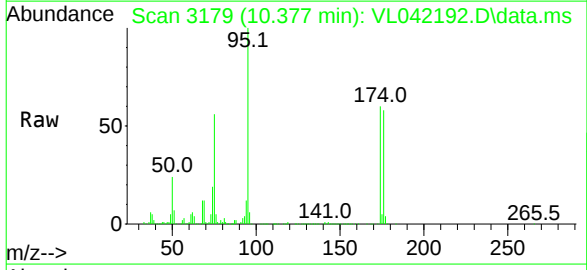
Tgt Ion:	91	Resp:	11656
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.898 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042192.D
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Tgt Ion:	95	Resp:	383936
Ion Ratio	Lower	Upper	
95	100		
174	60.5	50.6	76.0
175	4.6	3.8	5.6

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