

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042593.D
 Acq On : 29 May 2025 19:32
 Operator : SY/MD
 Sample : Q2124-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:13:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		2.797	49	107351	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.972	114	309485	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.895	117	273119	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.387	95	204804	10.003	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 100.000%	
Target Compounds							
						Qvalue	
13) Ethanol		1.729	45	581m	0.666	ppbv	
15) Acetone		1.842	43	4823	0.373	ppbv	95
20) Methylene Chloride		2.065	84	1149	0.269	ppbv #	87
26) Hexane		2.836	57	7026	0.437	ppbv #	42
27) Carbon Disulfide		2.156	76	7589	0.615	ppbv #	1
29) Chloroform		2.862	83	6940	0.332	ppbv #	82
34) 2-Butanone		2.570	43	4804	0.218	ppbv	100
38) Trichloroethene		4.574	130	389m	0.030	ppbv	
52) Tetrachloroethene		8.241	164	2983m	0.262	ppbv	
53) Toluene		6.953	91	4812m	0.137	ppbv	

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

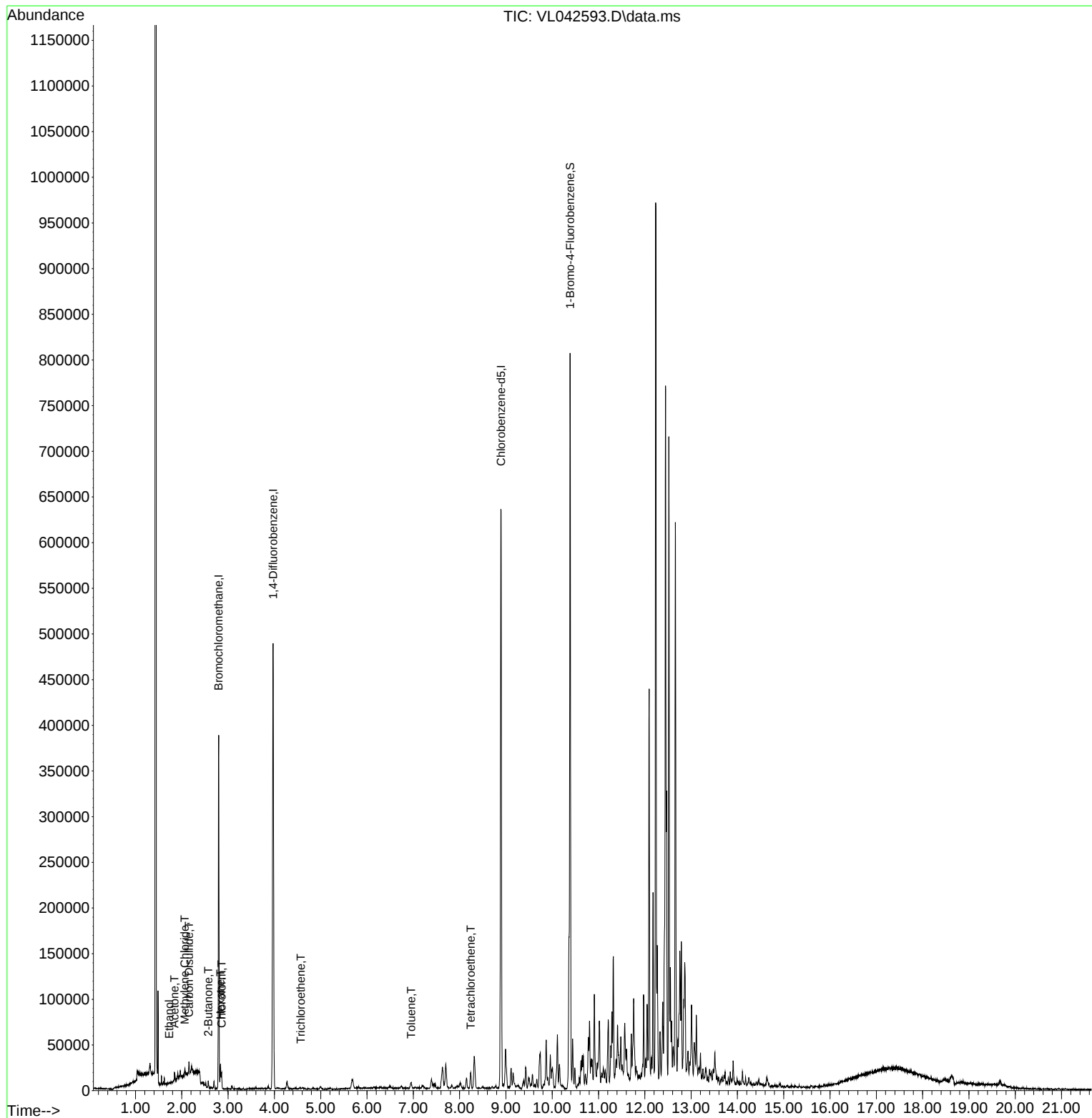
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042593.D
Acq On : 29 May 2025 19:32
Operator : SY/MD
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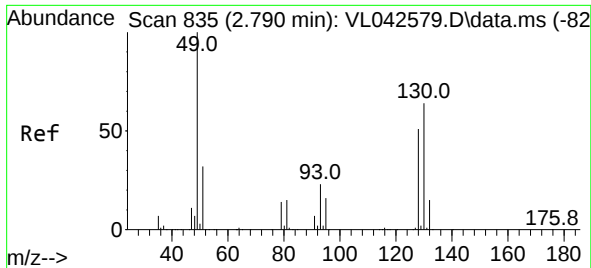
Instrument :
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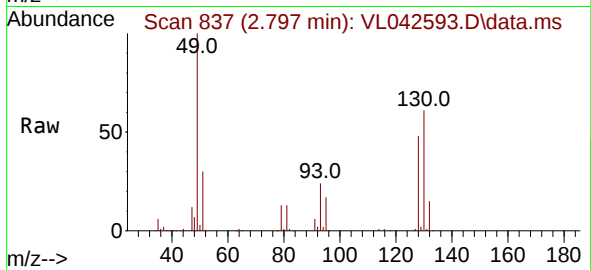
Quant Time: May 30 02:13:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

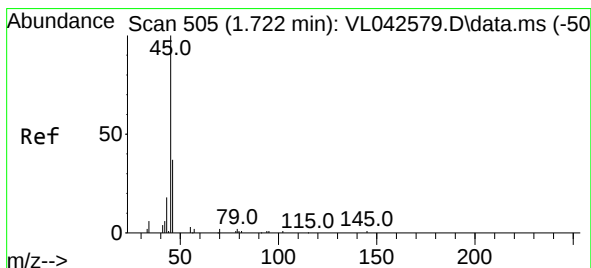
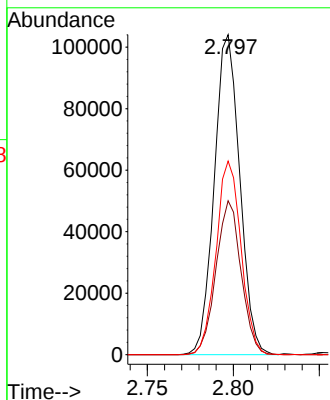
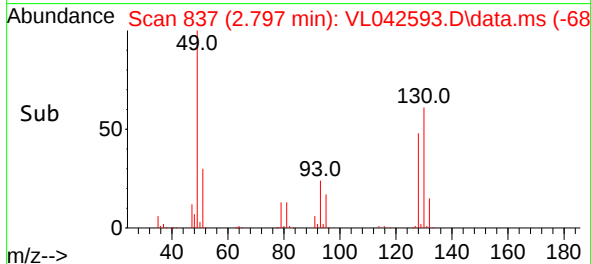
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 49 Resp: 10735
Ion Ratio Lower Upper
49 100
128 47.3 24.2 72.6
130 59.2 30.4 91.2

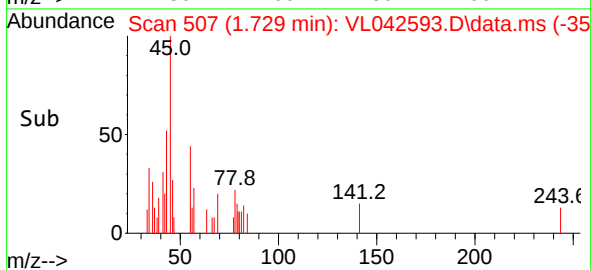
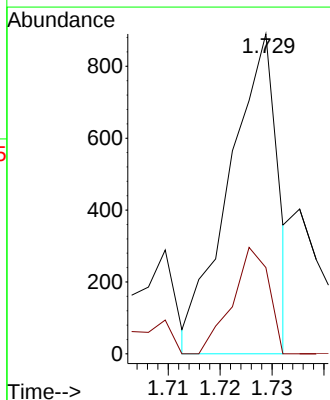
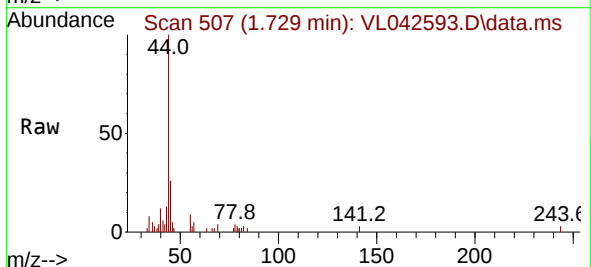
Manual Integrations
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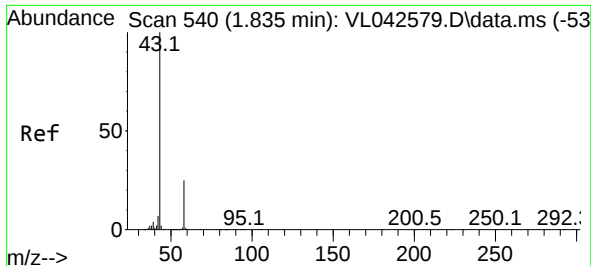
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#13
Ethanol
Concen: 0.666 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.007 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

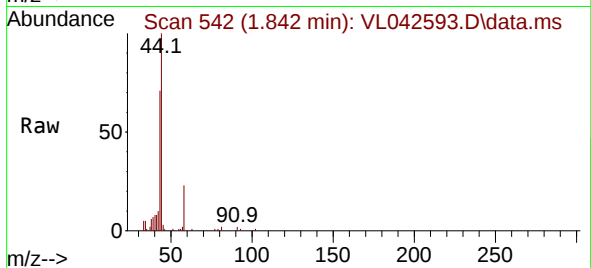
Tgt Ion: 45 Resp: 581
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#





#15
Acetone
Concen: 0.373 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

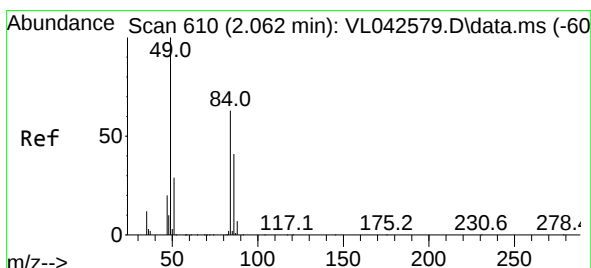
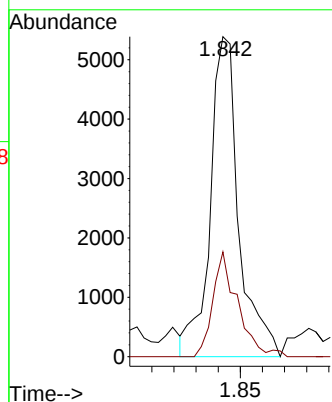
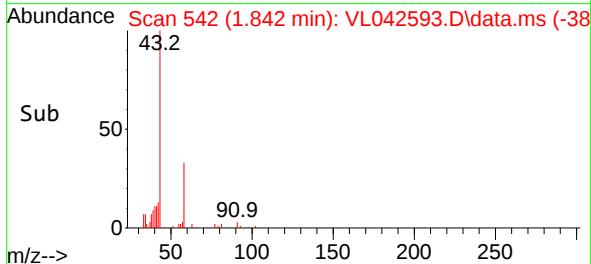
Instrument :
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SV2DL



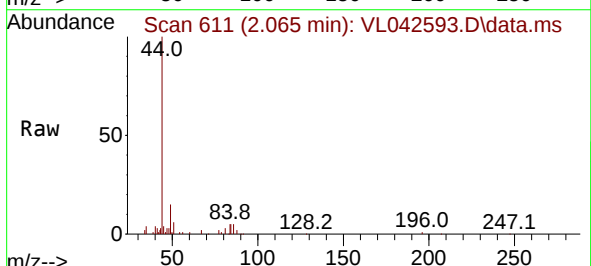
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Ion Ratio Lower Upper
43 100
58 28.6 21.0 31.4

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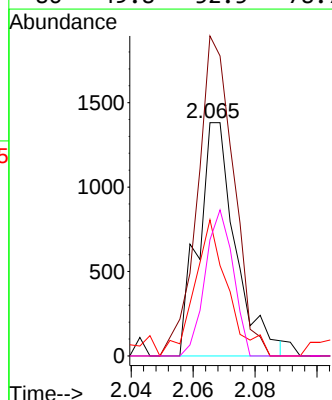
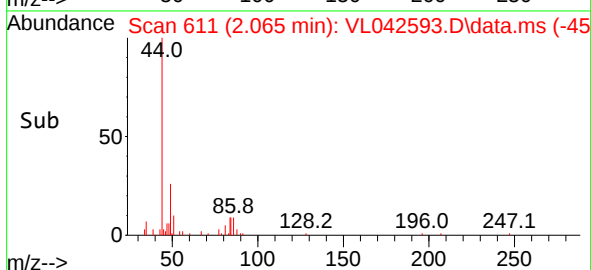
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

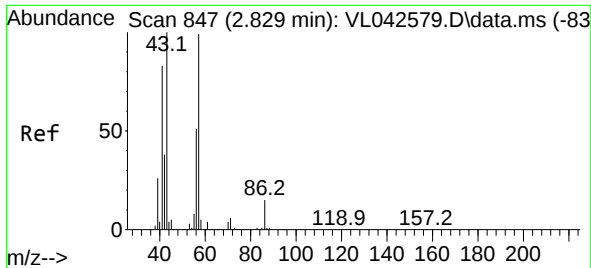


#20
Methylene Chloride
Concen: 0.269 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32



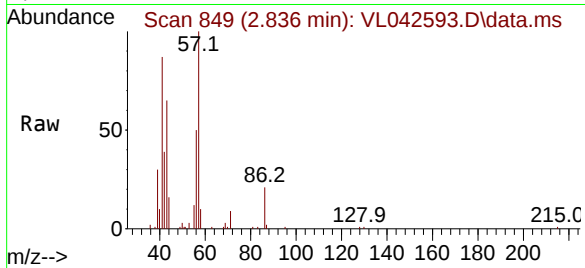
Tgt Ion: 84 Resp: 1149
Ion Ratio Lower Upper
84 100
49 148.3 128.8 193.2
51 58.4 38.6 57.8#
86 49.8 52.5 78.7#





#26
Hexane
Concen: 0.437 ppbv
RT: 2.836 min Scan# 847
Delta R.T. 0.007 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

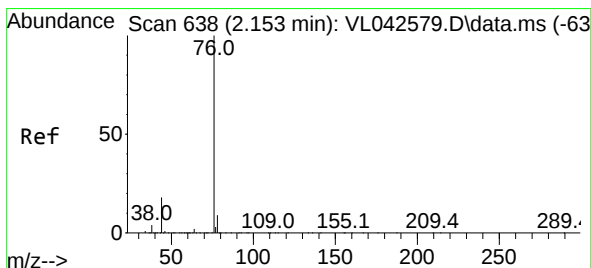
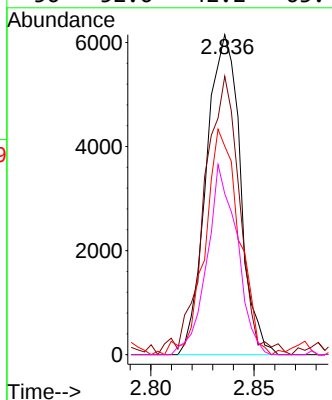
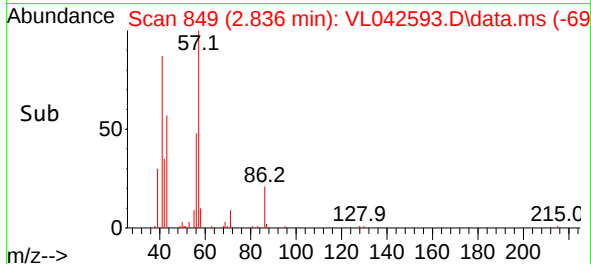
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



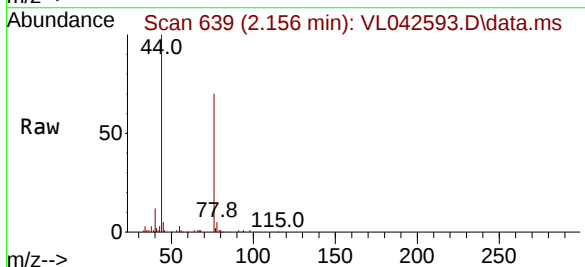
Tgt Ion: 57 Resp: 7020
Ion Ratio Lower Upper
57 100
41 93.3 70.6 106.0
43 75.9 181.1 271.7
56 52.6 42.2 63.4

Manual Integrations
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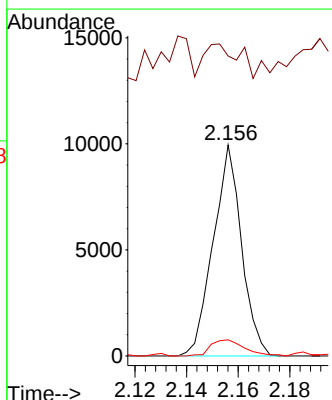
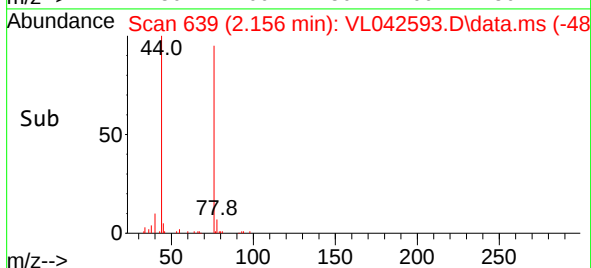
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

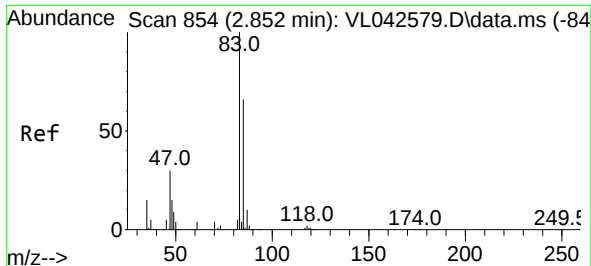


#27
Carbon Disulfide
Concen: 0.615 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32



Tgt Ion: 76 Resp: 7589
Ion Ratio Lower Upper
76 100
44 269.4 21.3 31.9
78 10.6 9.4 14.0





#29

Chloroform

Concen: 0.332 ppbv

RT: 2.862 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042593.D

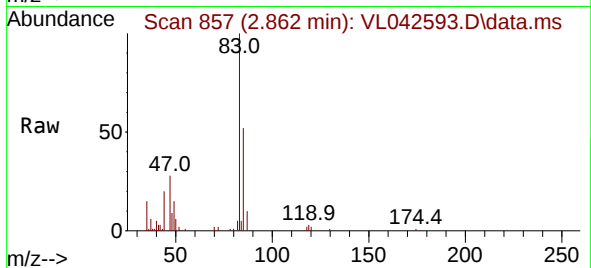
Acq: 29 May 2025 19:32

Instrument :

MSVOA_L

ClientSampleId :

SV2DL



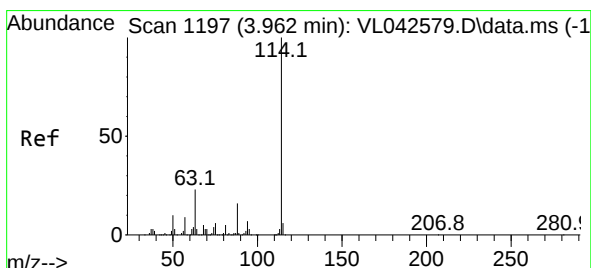
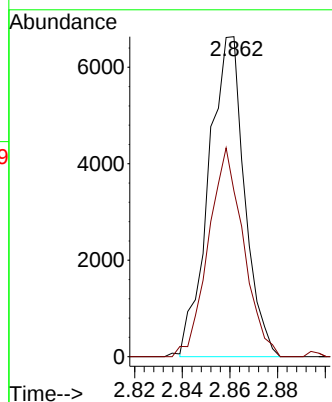
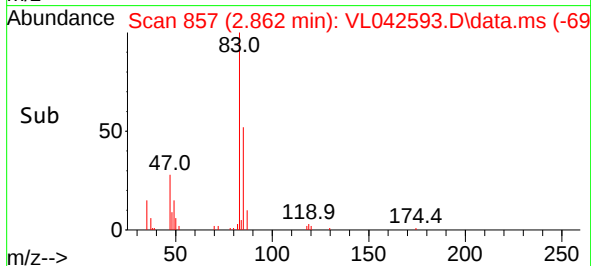
Tgt Ion: 83 Resp: 6940

Ion	Ratio	Lower	Upper
83	100		
85	51.7	52.8	79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1200

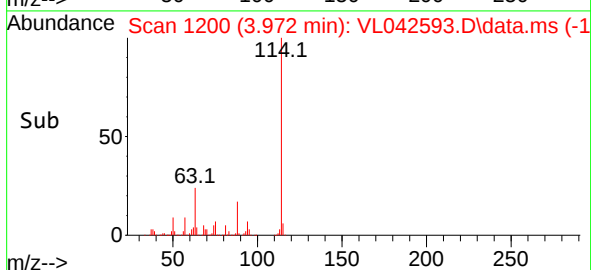
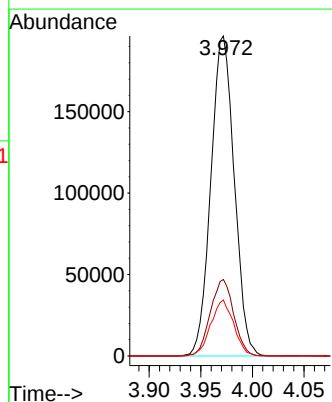
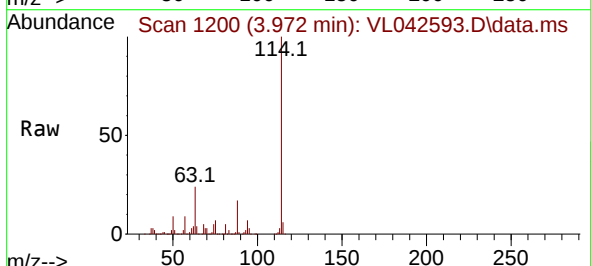
Delta R.T. 0.010 min

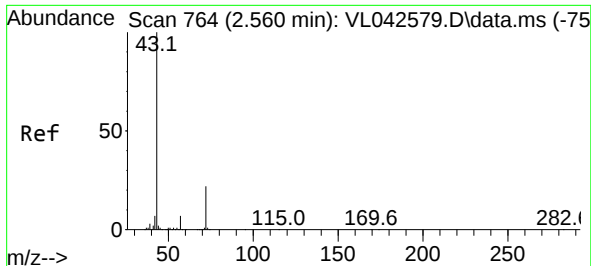
Lab File: VL042593.D

Acq: 29 May 2025 19:32

Tgt Ion:114 Resp: 309485

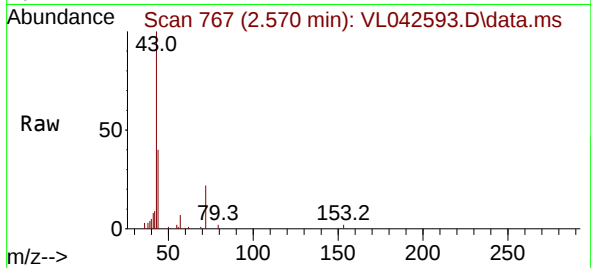
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.0	28.6
88	17.2	13.6	20.4





#34
2-Butanone
Concen: 0.218 ppbv
RT: 2.570 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

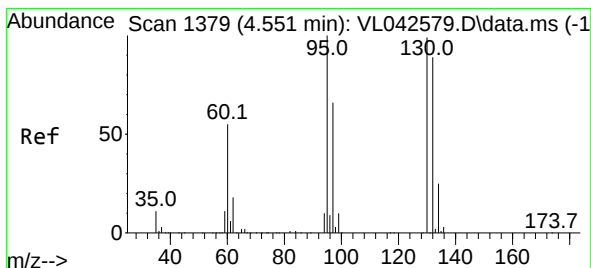
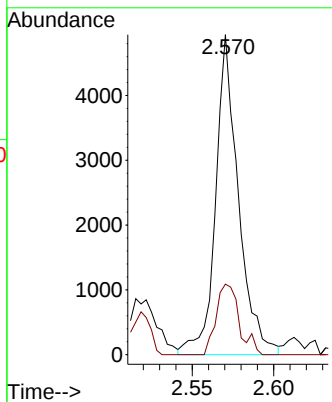
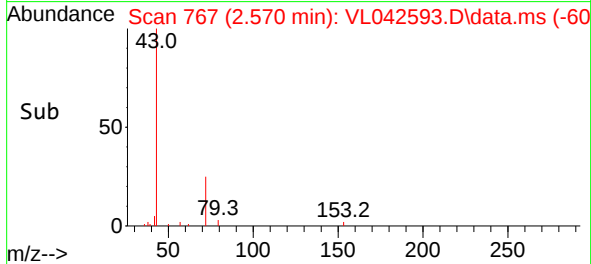
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
72 22.2 17.7 26.5

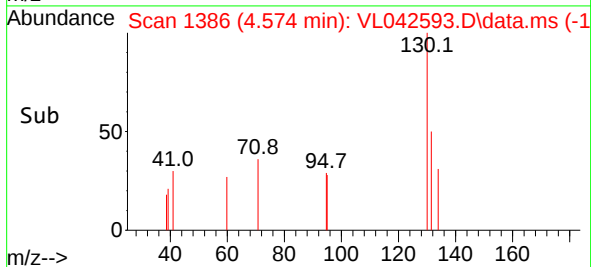
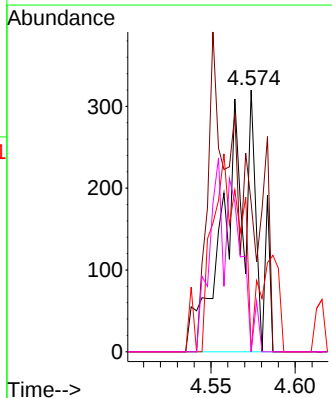
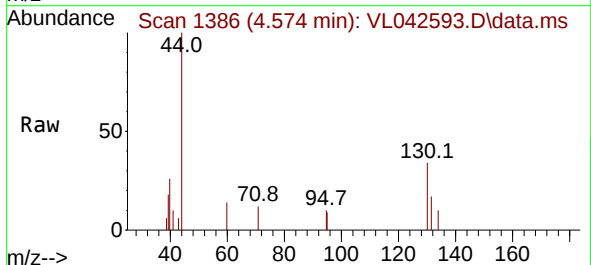
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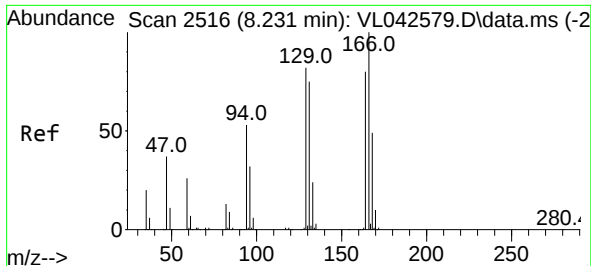
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#38
Trichloroethene
Concen: 0.030 ppbv m
RT: 4.574 min Scan# 1386
Delta R.T. 0.023 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

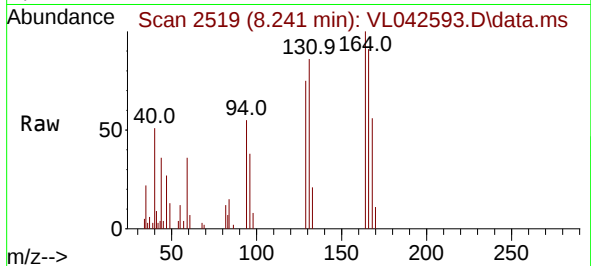
Tgt Ion:130 Resp: 389
Ion Ratio Lower Upper
130 100
95 29.1 80.6 121.0#
132 0.0 71.8 107.6#
97 0.0 53.0 79.4#





#52
Tetrachloroethene
Concen: 0.262 ppbv m
RT: 8.241 min Scan# 2119
Delta R.T. 0.010 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

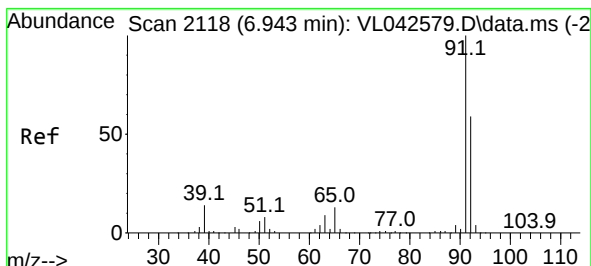
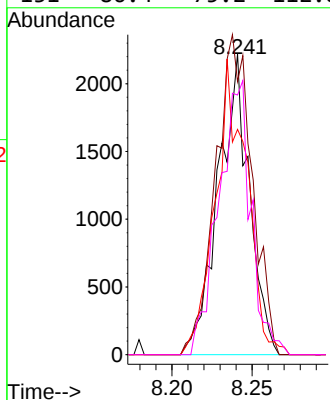
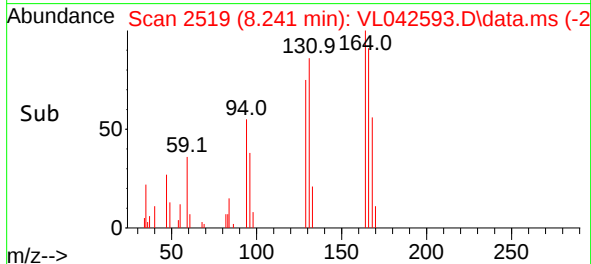
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:164 Resp: 298
Ion Ratio Lower Upper
164 100
166 90.8 100.0 150.0
129 74.9 82.2 123.4
131 86.4 75.2 112.8

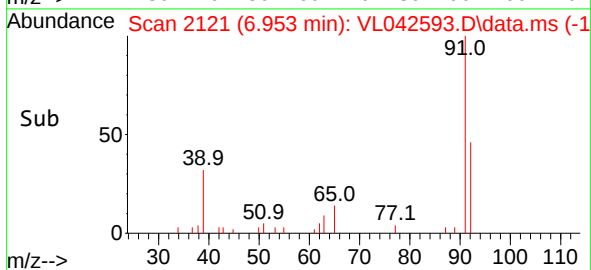
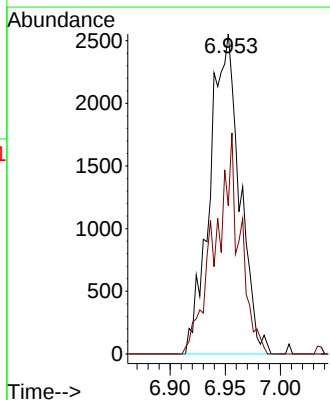
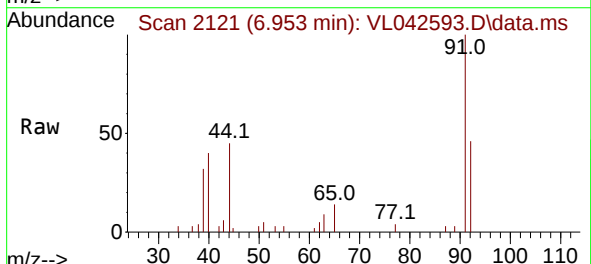
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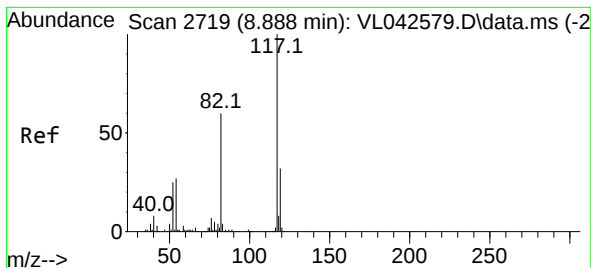
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#53
Toluene
Concen: 0.137 ppbv m
RT: 6.953 min Scan# 2121
Delta R.T. 0.010 min
Lab File: VL042593.D
Acq: 29 May 2025 19:32

Tgt Ion: 91 Resp: 4812
Ion Ratio Lower Upper
91 100
92 58.1 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 2719

Delta R.T. 0.007 min

Lab File: VL042593.D

Acq: 29 May 2025 19:32

Instrument :

MSVOA_L

ClientSampleId :

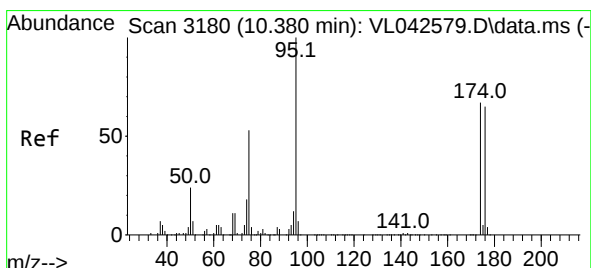
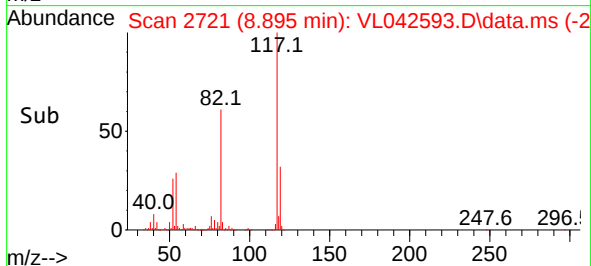
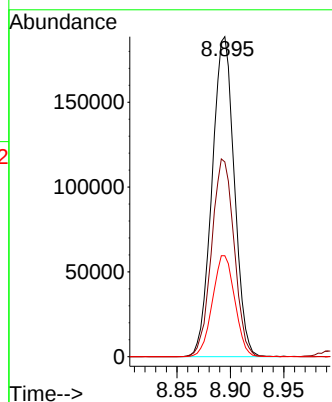
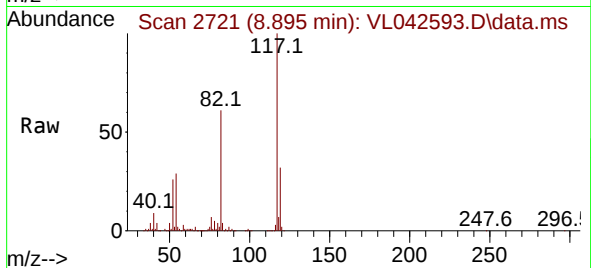
SV2DL

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.8	51.2	76.8
119	31.8	26.3	39.5

Manual Integrations

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Supervised By :Mahesh Dadoda 05/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.003 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.007 min

Lab File: VL042593.D

Acq: 29 May 2025 19:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.5	53.1	79.7
175	5.0	4.2	6.2

