

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042589.D
 Acq On : 29 May 2025 17:22
 Operator : SY/MD
 Sample : Q2124-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: May 30 02:10:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 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	2.800	49	113312	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	323127	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	284597	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	215736	10.112	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1709	0.123	ppbv	89
3) Chlorodifluoromethane	1.473	51	3610m	0.188	ppbv	
9) Propene	1.489	41	117157m	15.168	ppbv	
10) Heptane	5.004	43	255645	11.742	ppbv	99
13) Ethanol	1.729	45	6446	7.003	ppbv #	39
20) Methylene Chloride	2.075	84	2032	0.451	ppbv #	62
26) Hexane	2.839	57	343378	20.232	ppbv #	40
29) Chloroform	2.865	83	26841	1.216	ppbv	96
30) Cyclohexane	3.878	84	2500m	0.178	ppbv	
34) 2-Butanone	2.573	43	14099	0.612	ppbv	98
38) Trichloroethene	4.570	130	7677	0.568	ppbv	94
52) Tetrachloroethene	8.241	164	8503	0.715	ppbv	94
53) Toluene	6.956	91	17436	0.474	ppbv	94
59) m/p-Xylene	9.548	91	4611m	0.121	ppbv	
74) 1,2,4-Trimethylbenzene	11.549	105	6380	0.147	ppbv #	72

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

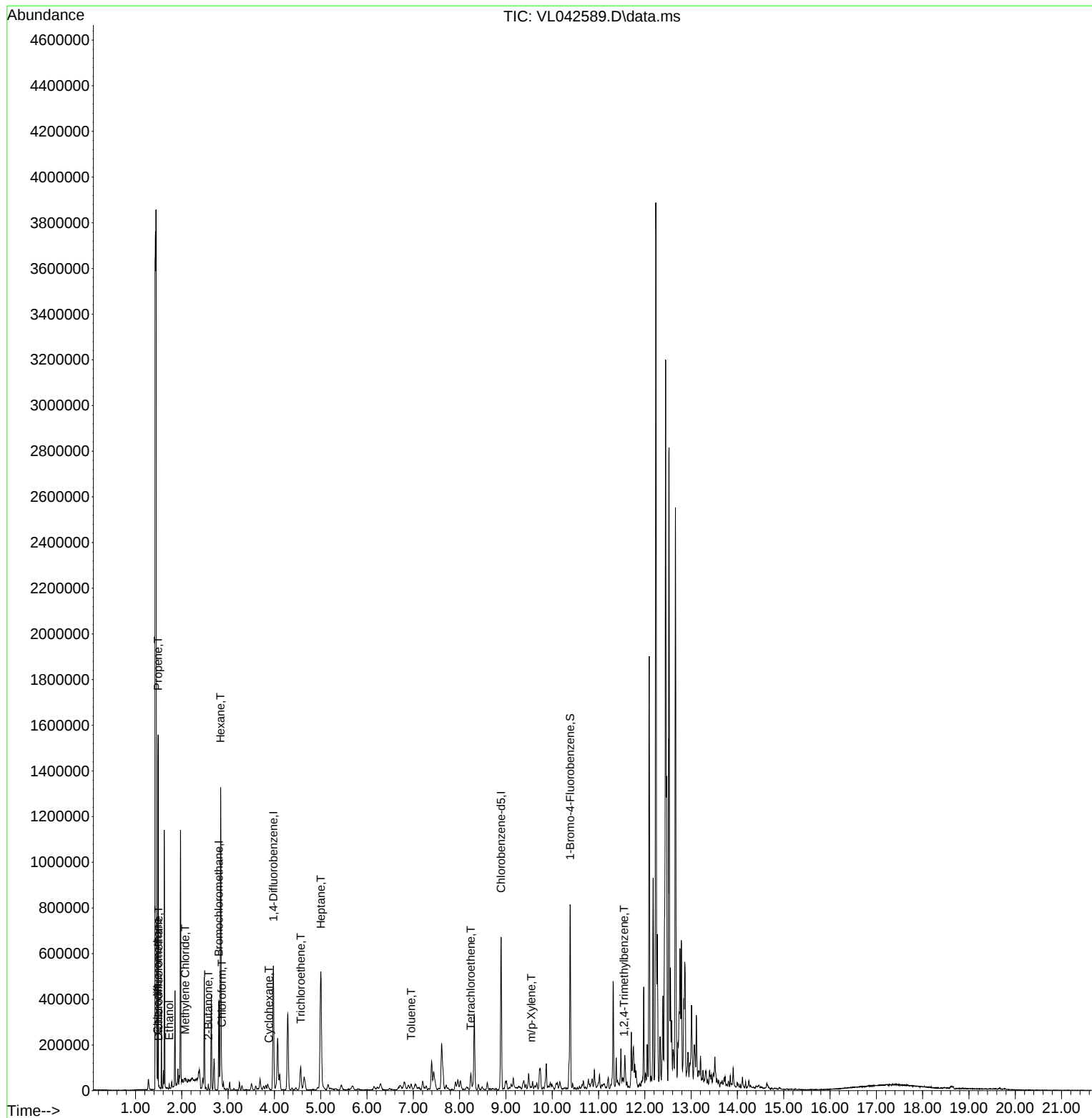
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042589.D
Acq On : 29 May 2025 17:22
Operator : SY/MD
Sample : Q2124-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

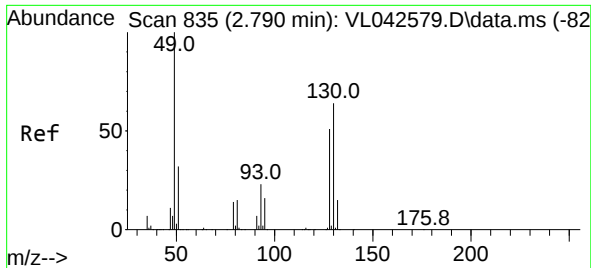
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: May 30 02:10:37 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

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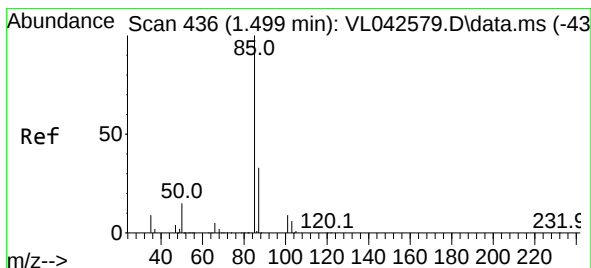
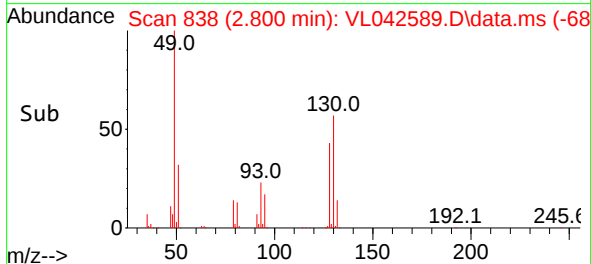
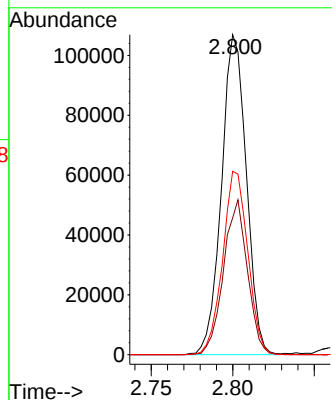
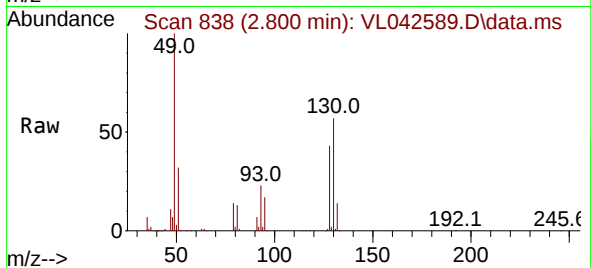
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 11331
Ion Ratio Lower Upper
49 100
128 46.6 24.2 72.6
130 58.0 30.4 91.2

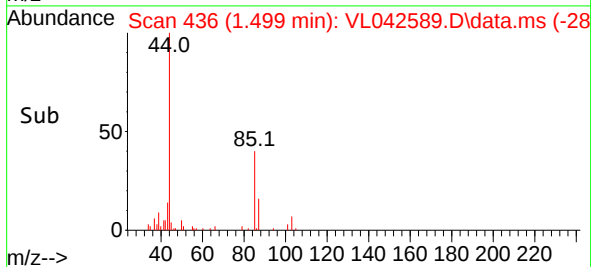
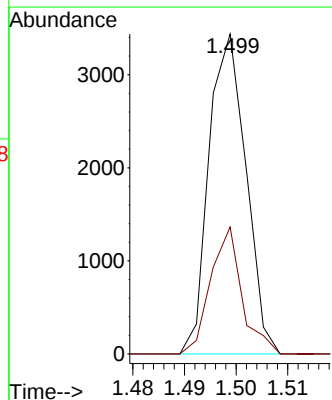
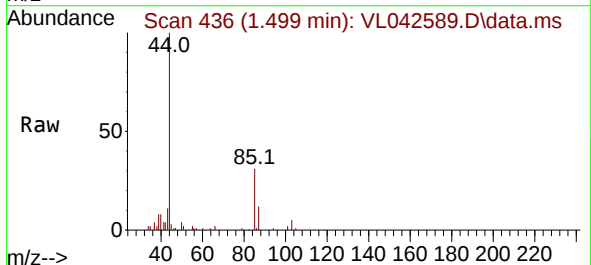
Manual Integrations
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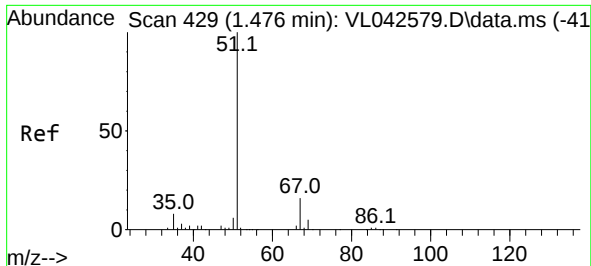
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 85 Resp: 1709
Ion Ratio Lower Upper
85 100
87 39.7 26.6 39.8





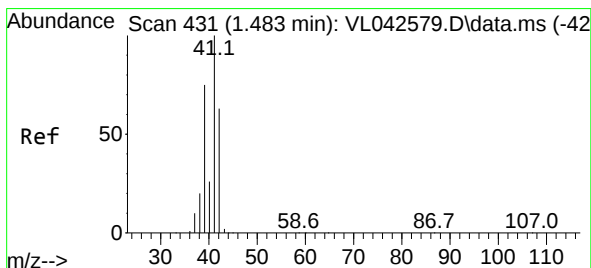
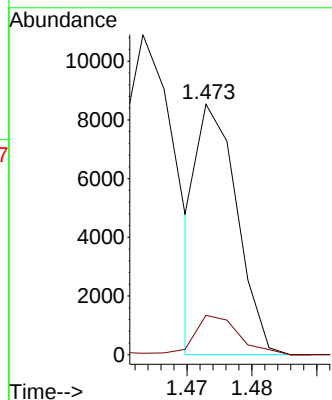
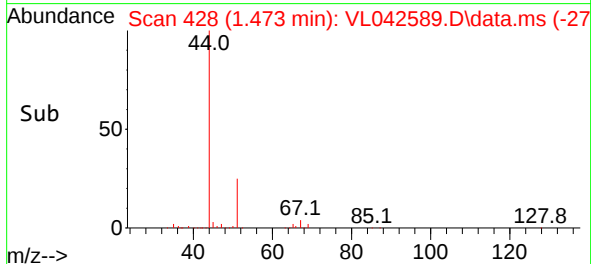
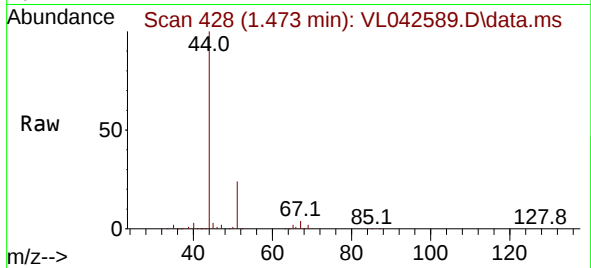
#3
Chlorodifluoromethane
Concen: 0.188 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 3610
Ion Ratio Lower Upper
51 100
67 18.3 13.4 20.2

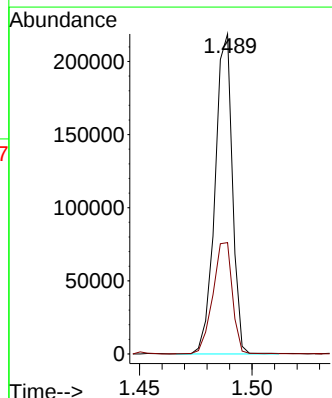
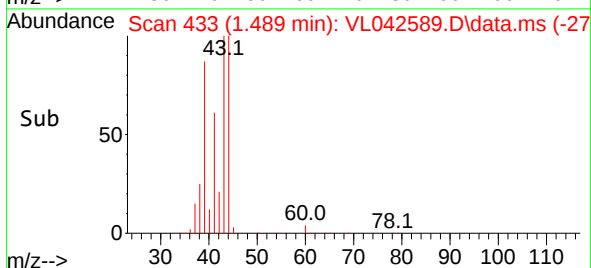
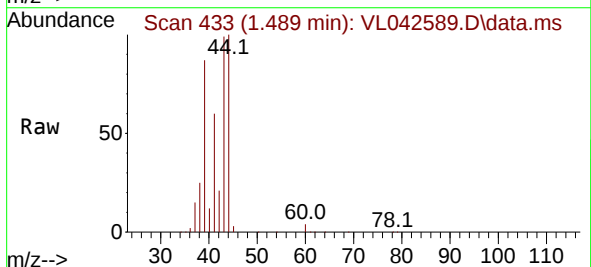
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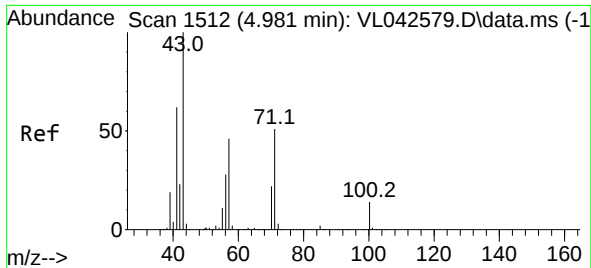
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#9
Propene
Concen: 15.168 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 41 Resp: 117157
Ion Ratio Lower Upper
41 100
42 21.9 53.3 79.9#





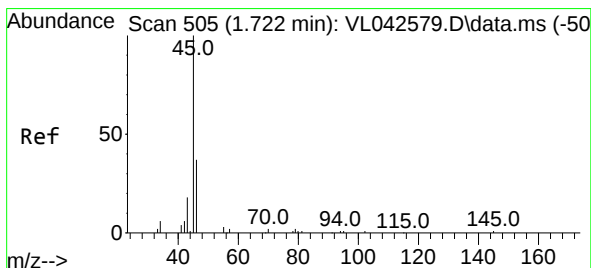
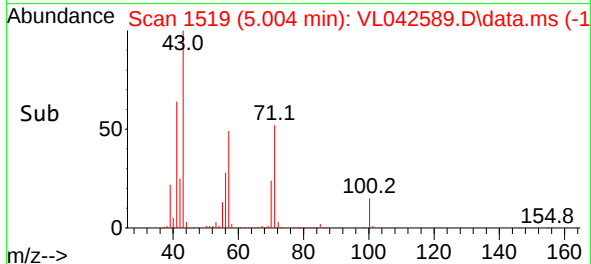
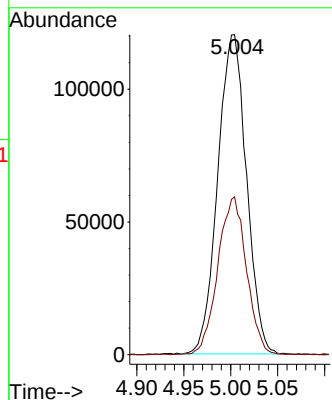
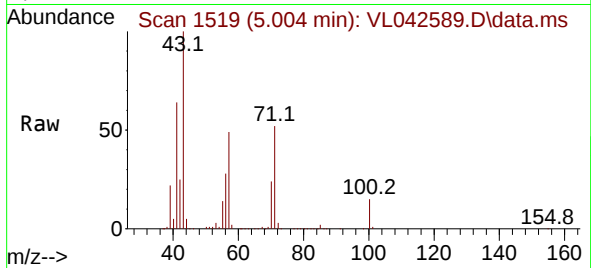
#10
Heptane
Concen: 11.742 ppbv
RT: 5.004 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 25564
Ion Ratio Lower Upper
43 100
57 49.5 38.9 58.3

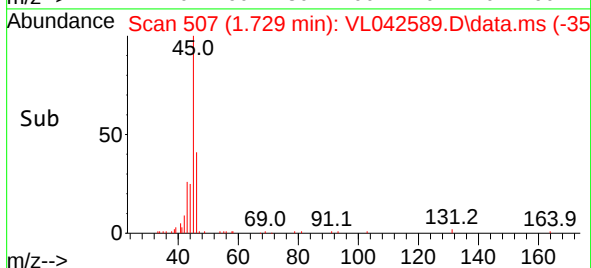
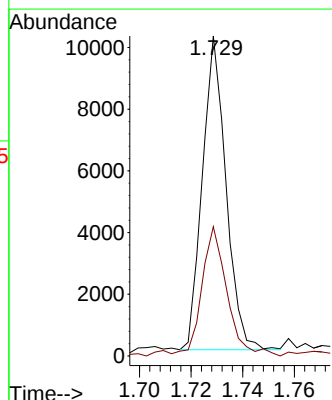
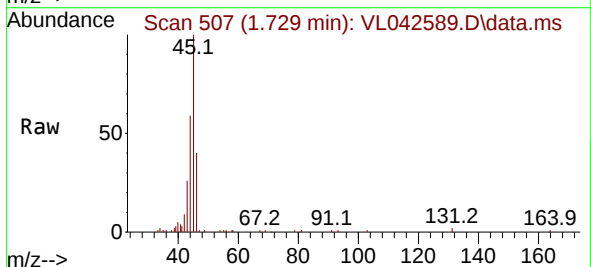
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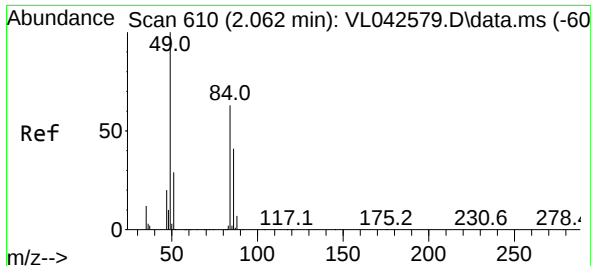
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#13
Ethanol
Concen: 7.003 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

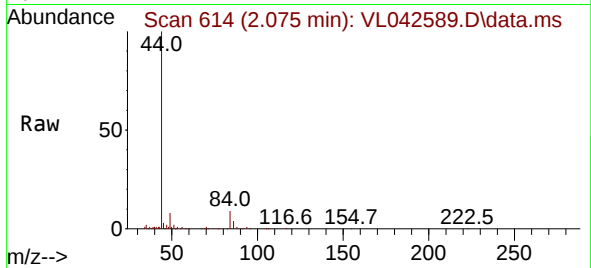
Tgt Ion: 45 Resp: 6446
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#





#20
Methylene Chloride
Concen: 0.451 ppbv
RT: 2.075 min Scan# 610
Delta R.T. 0.013 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

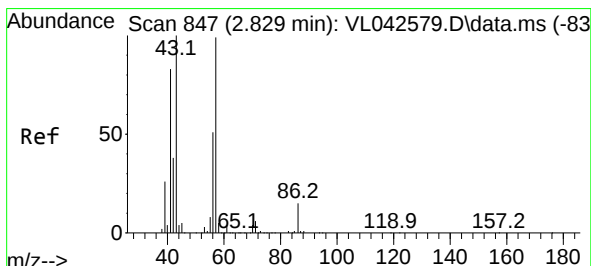
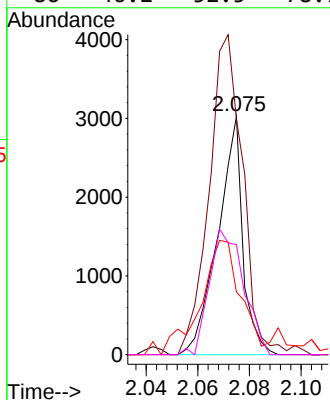
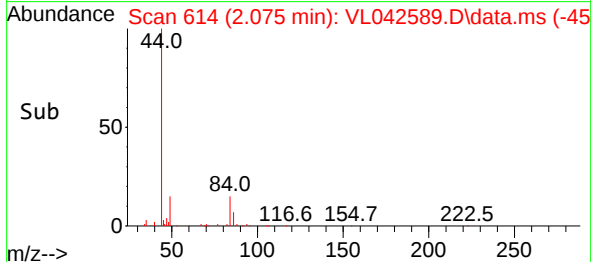
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 2032
Ion Ratio Lower Upper
84 100
49 105.7 128.8 193.2
51 18.5 38.6 57.8
86 46.2 52.5 78.7#

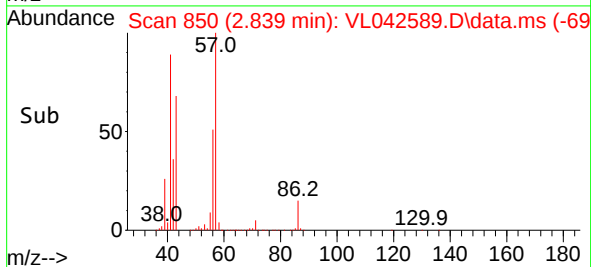
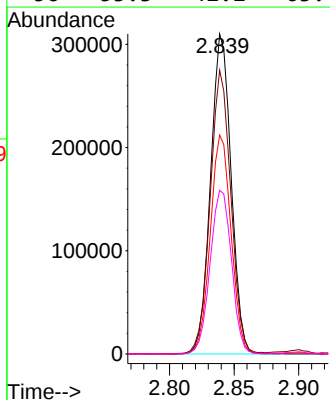
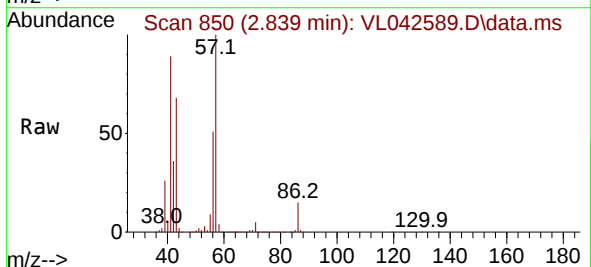
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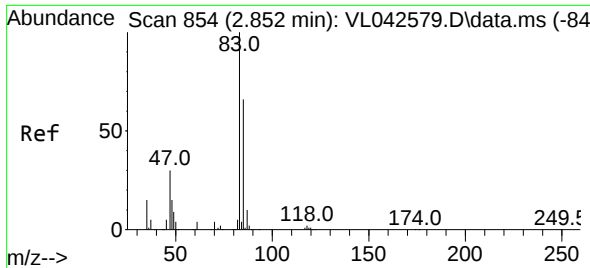
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#26
Hexane
Concen: 20.232 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

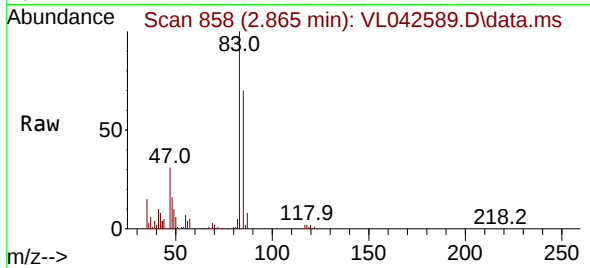
Tgt Ion: 57 Resp: 343378
Ion Ratio Lower Upper
57 100
41 89.6 70.6 106.0
43 69.2 181.1 271.7#
56 53.3 42.2 63.4





#29
Chloroform
Concen: 1.216 ppbv
RT: 2.865 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

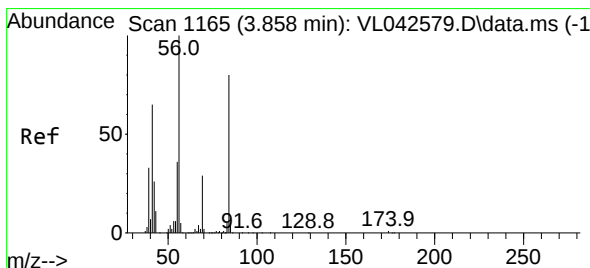
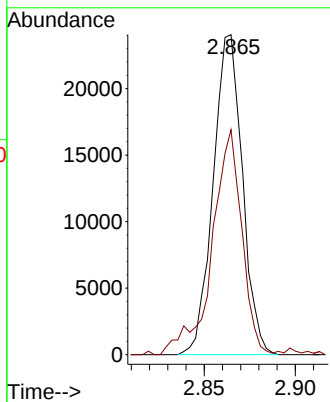
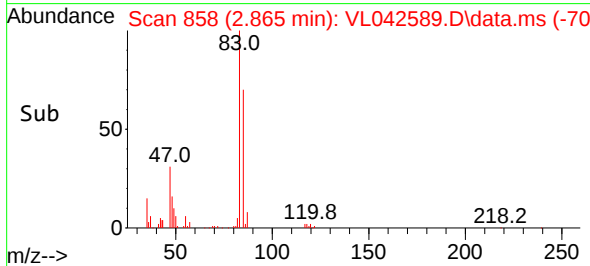
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 83 Resp: 2684
Ion Ratio Lower Upper
83 100
85 69.3 52.8 79.2

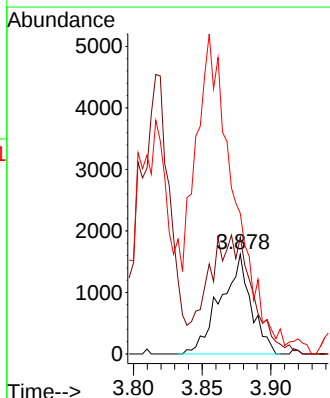
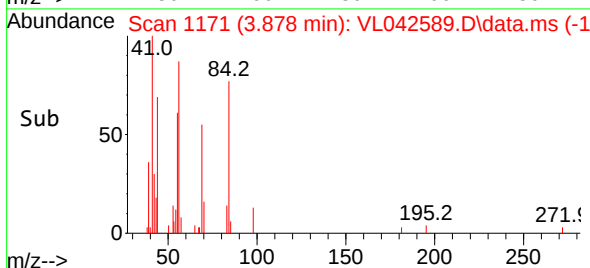
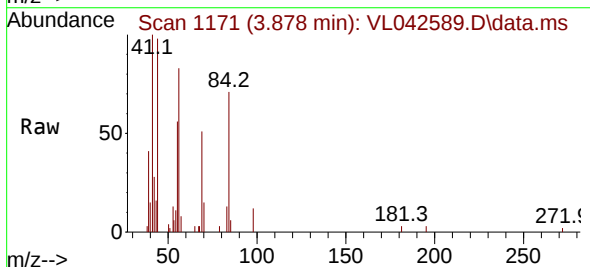
Manual Integrations
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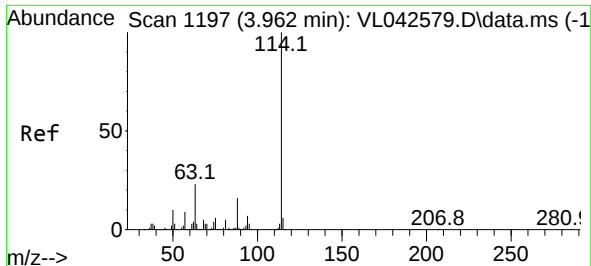
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#30
Cyclohexane
Concen: 0.178 ppbv m
RT: 3.878 min Scan# 1171
Delta R.T. 0.019 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion: 84 Resp: 2500
Ion Ratio Lower Upper
84 100
56 0.0 103.7 155.5#
41 0.0 65.1 97.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1197

Delta R.T. 0.016 min

Lab File: VL042589.D

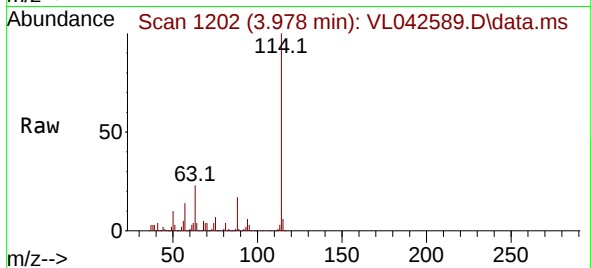
Acq: 29 May 2025 17:22

Instrument :

MSVOA_L

ClientSampleId :

SV1



Tgt Ion:114 Resp: 32312

Ion Ratio Lower Upper

114 100

63 24.6 19.0 28.6

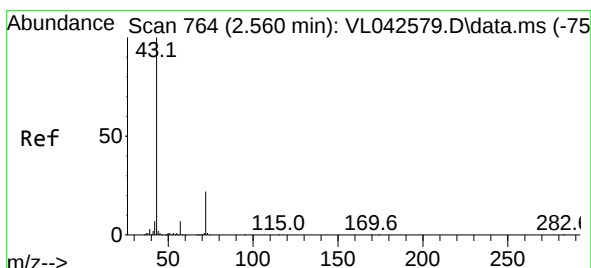
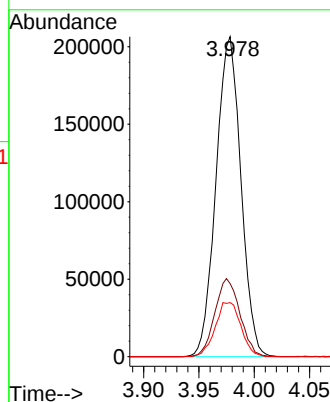
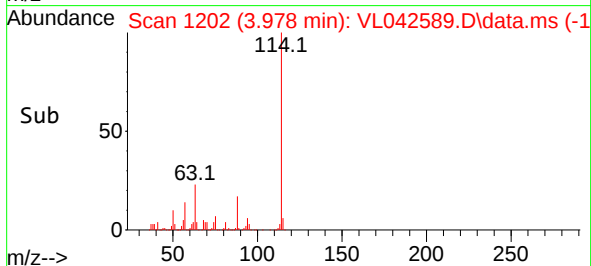
88 17.5 13.6 20.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#34

2-Butanone

Concen: 0.612 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.013 min

Lab File: VL042589.D

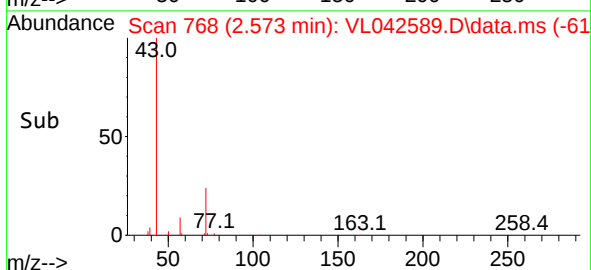
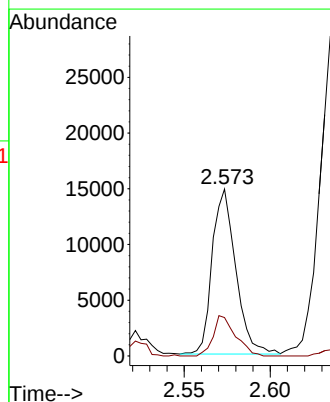
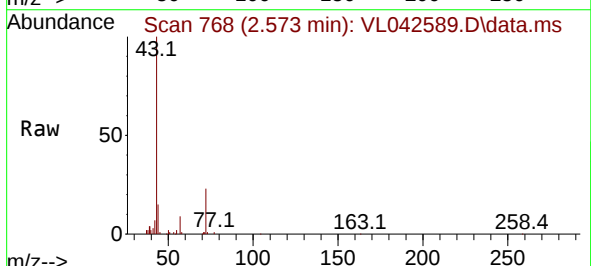
Acq: 29 May 2025 17:22

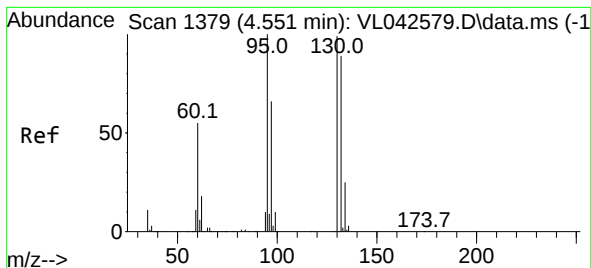
Tgt Ion: 43 Resp: 14099

Ion Ratio Lower Upper

43 100

72 23.1 17.7 26.5





#38

Trichloroethene

Concen: 0.568 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. 0.019 min

Lab File: VL042589.D

Acq: 29 May 2025 17:22

Instrument :

MSVOA_L

ClientSampleId :

SV1

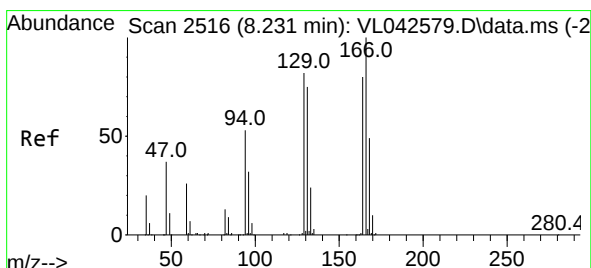
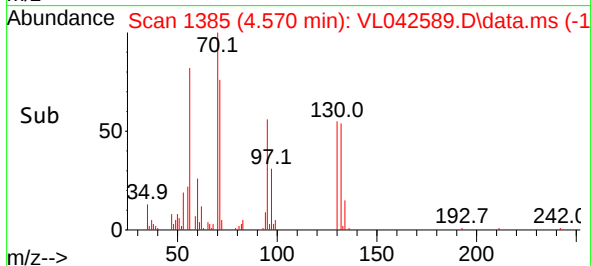
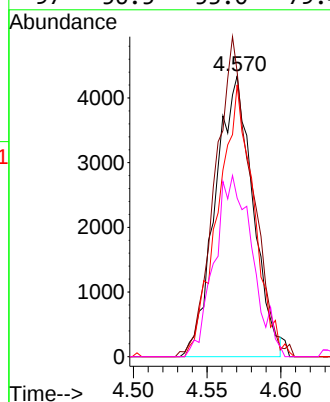
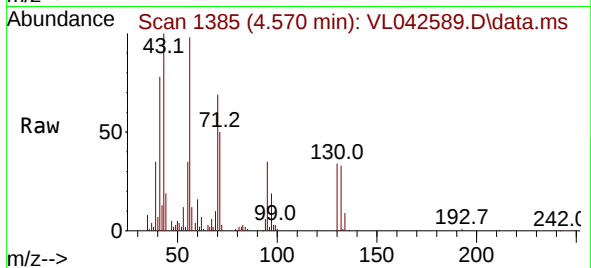
Tgt Ion:130	Resp:	767
Ion Ratio	Lower	Upper
130	100	
95	99.6	80.6 121.0
132	96.9	71.8 107.6
97	56.5	53.0 79.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/30/2025



#52

Tetrachloroethene

Concen: 0.715 ppbv

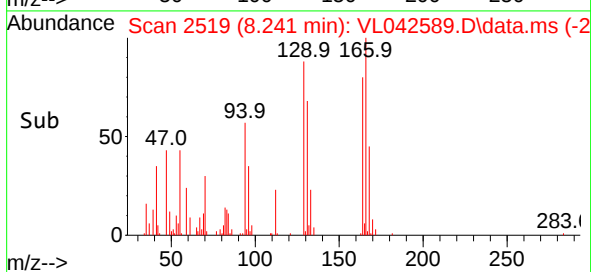
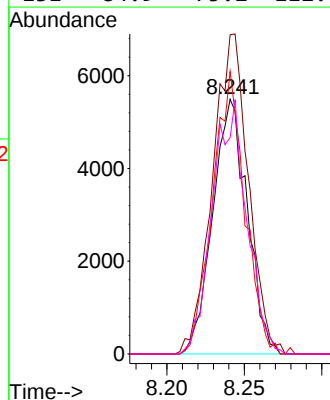
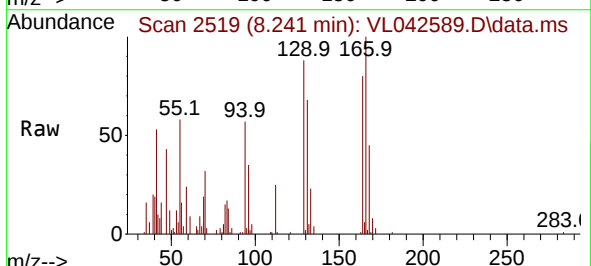
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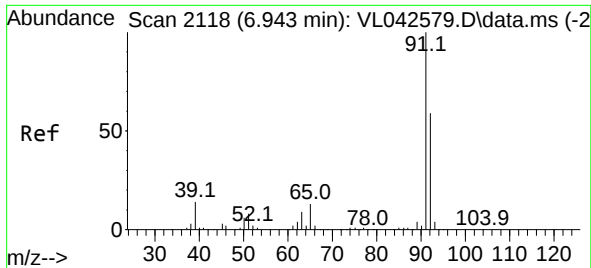
Delta R.T. 0.010 min

Lab File: VL042589.D

Acq: 29 May 2025 17:22

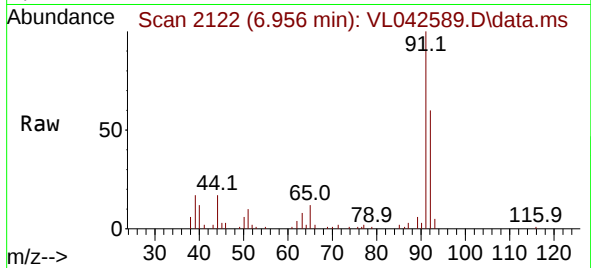
Tgt Ion:164	Resp:	8503
Ion Ratio	Lower	Upper
164	100	
166	124.3	100.0 150.0
129	110.8	82.2 123.4
131	84.9	75.2 112.8





#53
Toluene
Concen: 0.474 ppbv
RT: 6.956 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

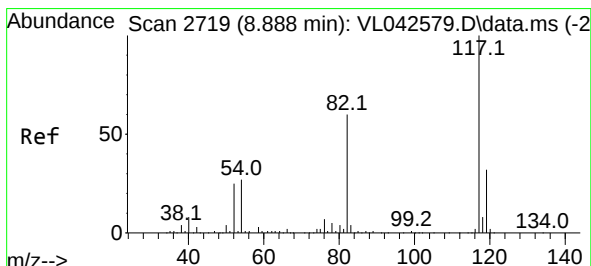
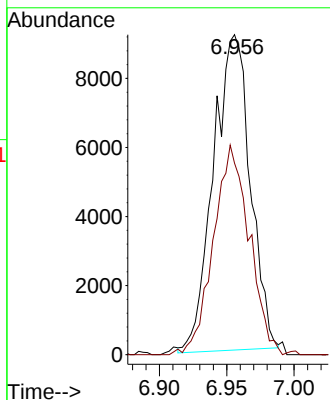
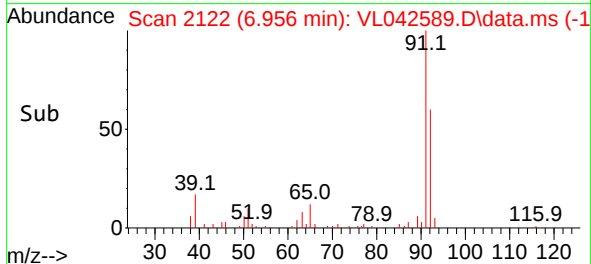
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 17430
Ion Ratio Lower Upper
91 100
92 64.7 48.2 72.4

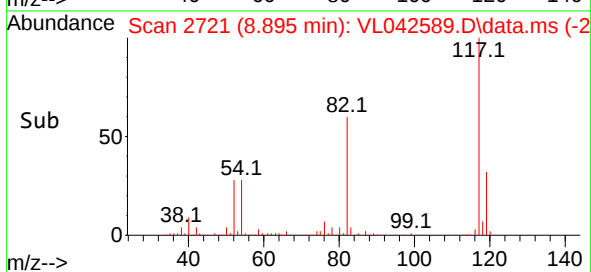
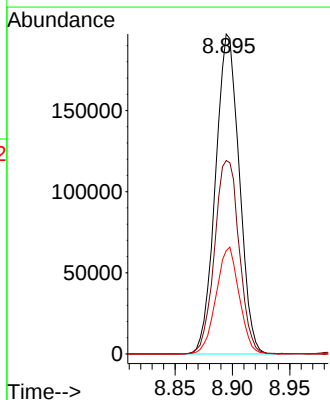
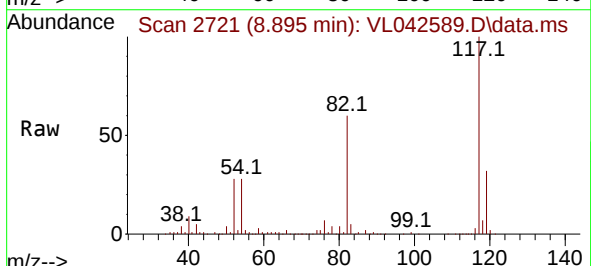
Manual Integrations
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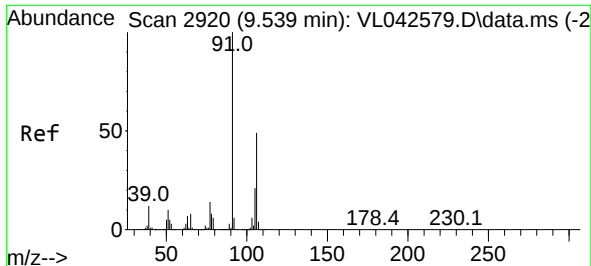
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Tgt Ion:117 Resp: 284597
Ion Ratio Lower Upper
117 100
82 62.6 51.2 76.8
119 32.5 26.3 39.5





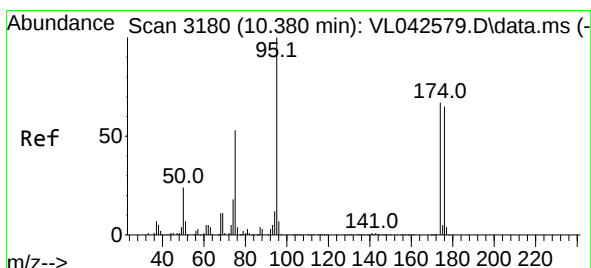
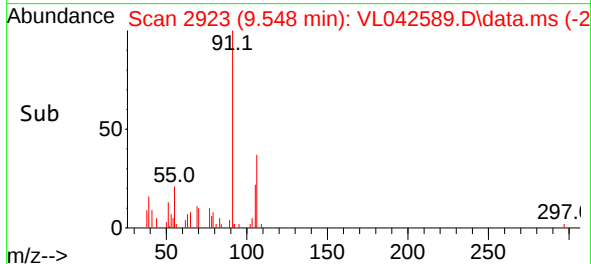
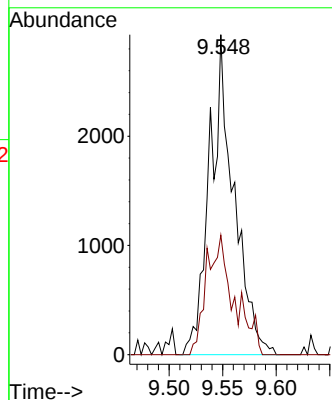
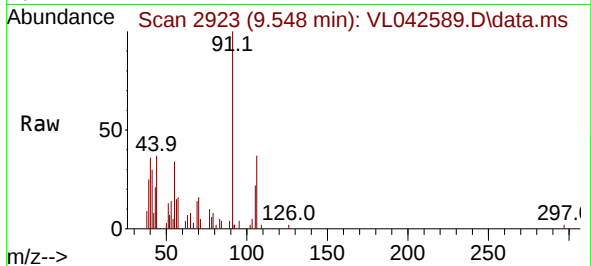
#59
m/p-Xylene
Concen: 0.121 ppbv m
RT: 9.548 min Scan# 2920
Delta R.T. 0.010 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 461
Ion Ratio Lower Upper
91 100
106 42.6 38.8 58.2

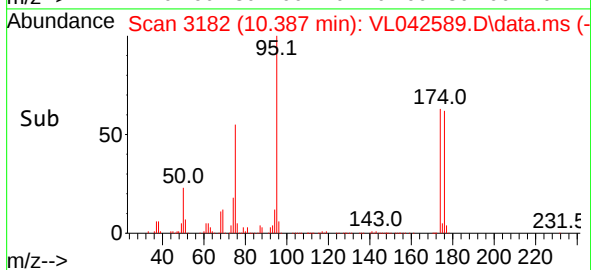
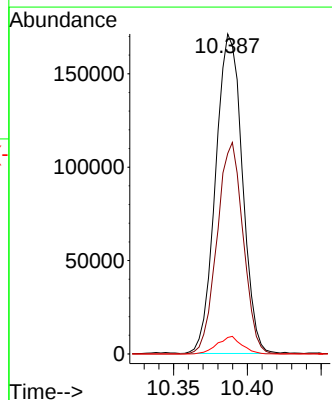
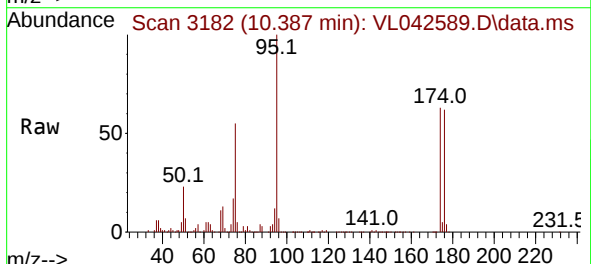
Manual Integrations
APPROVED

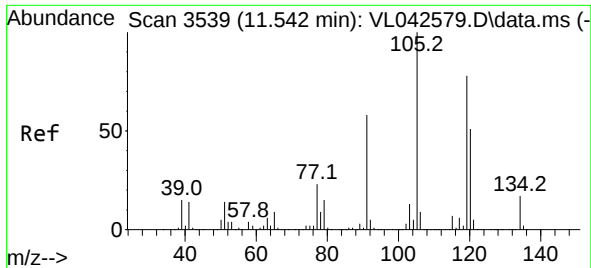
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.112 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL042589.D
Acq: 29 May 2025 17:22

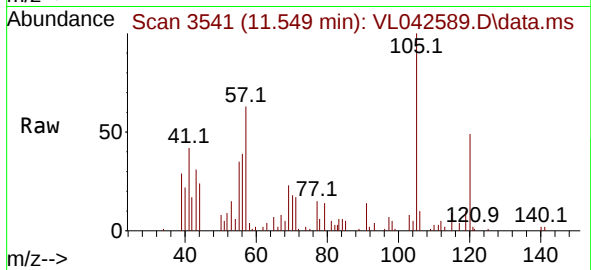
Tgt Ion: 95 Resp: 215736
Ion Ratio Lower Upper
95 100
174 64.7 53.1 79.7
175 5.1 4.2 6.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.147 ppbv
 RT: 11.549 min Scan# 3541
 Delta R.T. 0.006 min
 Lab File: VL042589.D
 Acq: 29 May 2025 17:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:	105	Resp:	6380
Ion	Ratio	Lower	Upper
105	100		
120	50.9	40.8	61.2
91	15.9	46.8	70.2
77	16.0	18.2	27.2

Manual Integrations
 APPROVED

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

