

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042710.D
 Acq On : 08 Jul 2025 12:15
 Operator : SY/MD
 Sample : Q2518-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/09/2025
 Supervised By :Mahesh Dadoda 07/09/2025

Quant Time: Jul 09 01:28:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 8 2025

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	117014	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	286744	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.885	117	254758	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	204982	10.461	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.600%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	1.476	51	2872	0.157	ppbv	94
9) Propene	1.486	41	3845	0.561	ppbv	90
10) Heptane	4.978	43	2529m	0.136	ppbv	
13) Ethanol	1.722	45	1663m	2.514	ppbv	
15) Acetone	1.839	43	23773	2.048	ppbv #	86
20) Methylene Chloride	2.062	84	1695	0.382	ppbv #	71
26) Hexane	2.829	57	11543	0.788	ppbv #	39
27) Carbon Disulfide	2.153	76	1262	0.106	ppbv #	1
34) 2-Butanone	2.560	43	80629	3.553	ppbv	98
38) Trichloroethene	4.551	130	1968m	0.158	ppbv	
51) 2-Hexanone	7.457	43	5007m	0.259	ppbv	
52) Tetrachloroethene	8.228	164	25964	2.688	ppbv	95
53) Toluene	6.940	91	3551m	0.132	ppbv	
59) m/p-Xylene	9.535	91	3209m	0.104	ppbv	

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

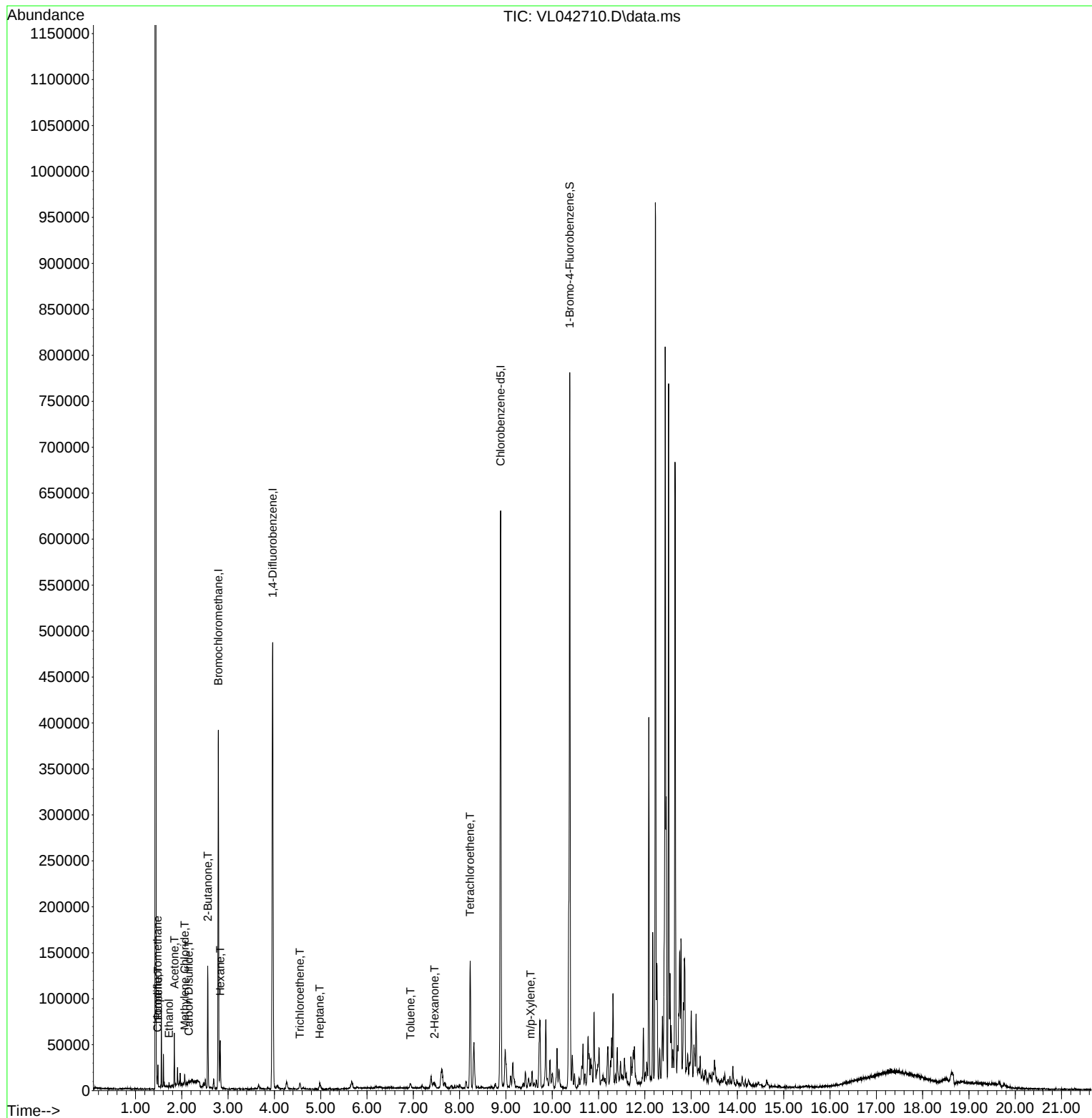
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
Data File : VL042710.D
Acq On : 08 Jul 2025 12:15
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

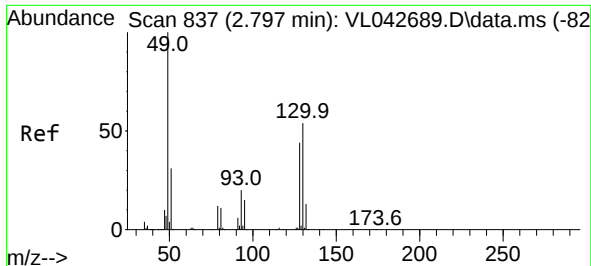
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025

Quant Time: Jul 09 01:28:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 03 01:50:16 2025
Response via : Initial Calibration





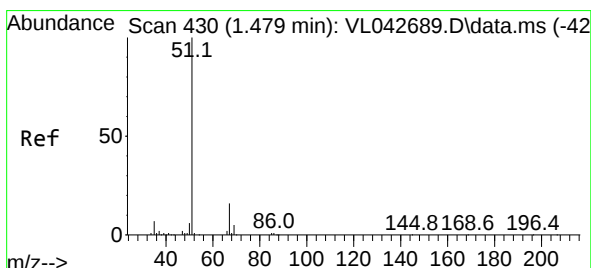
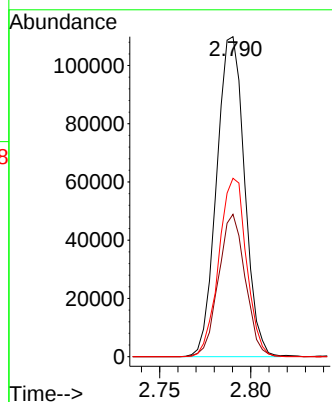
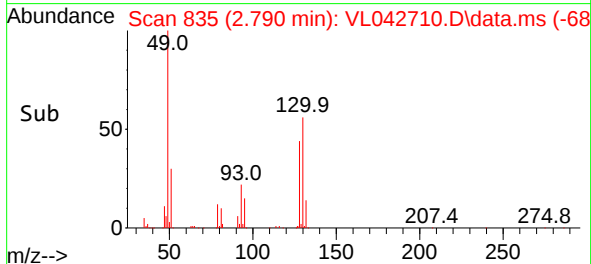
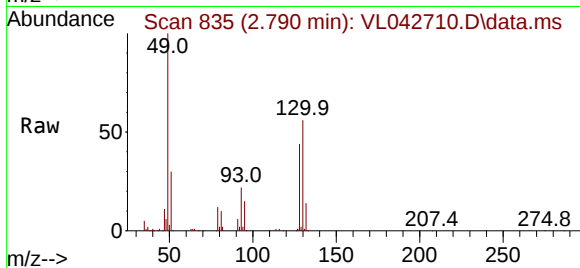
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 49 Resp: 117014
Ion Ratio Lower Upper
49 100
128 42.7 21.4 64.2
130 55.2 28.0 84.0

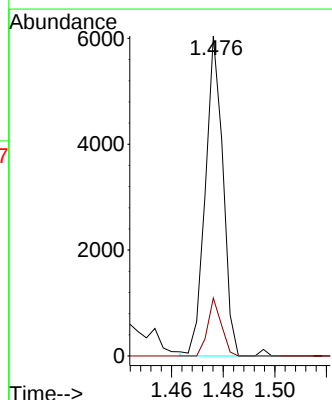
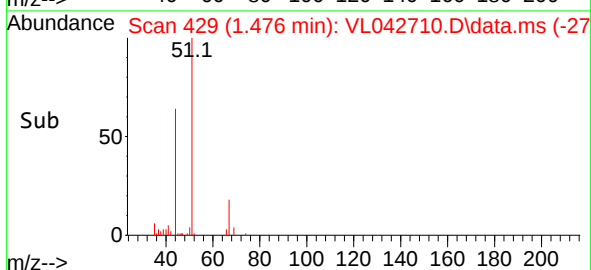
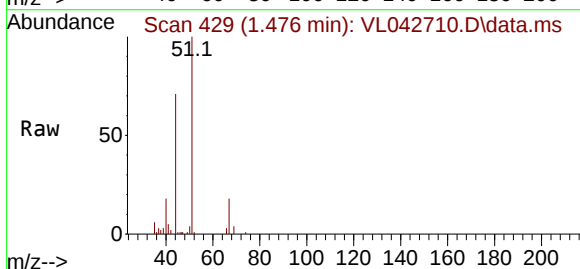
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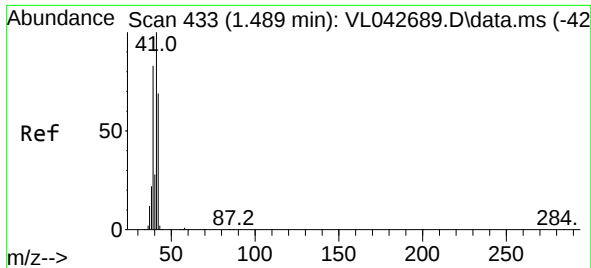
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#3
Chlorodifluoromethane
Concen: 0.157 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 51 Resp: 2872
Ion Ratio Lower Upper
51 100
67 14.0 13.1 19.7





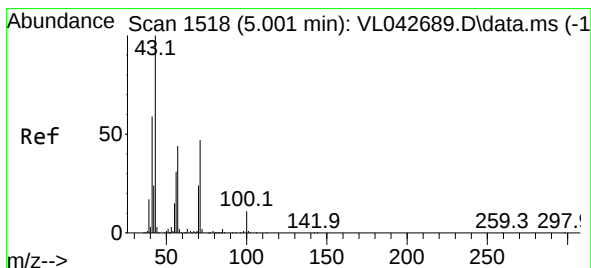
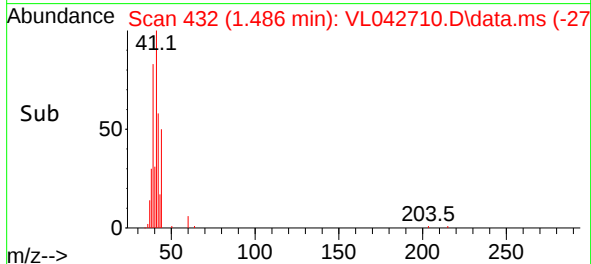
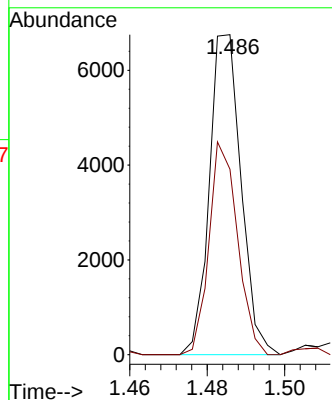
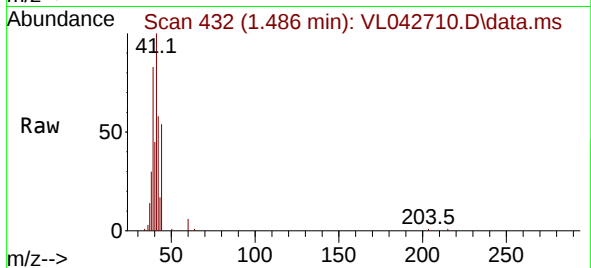
#9
 Propene
 Concen: 0.561 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042710.D
 Acq: 08 Jul 2025 12:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tgt Ion: 41 Resp: 384
 Ion Ratio Lower Upper
 41 100
 42 61.5 55.6 83.4

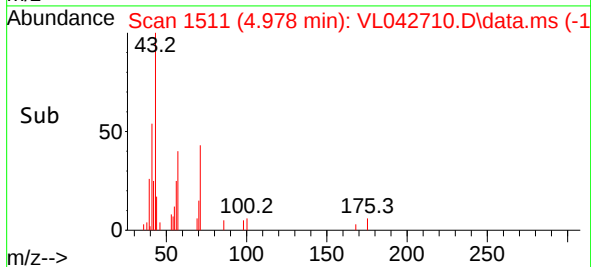
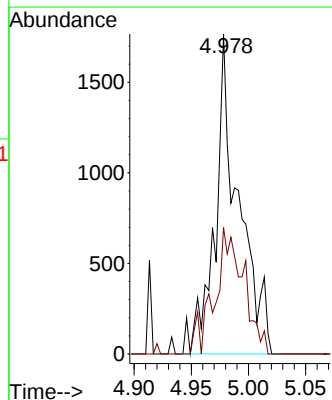
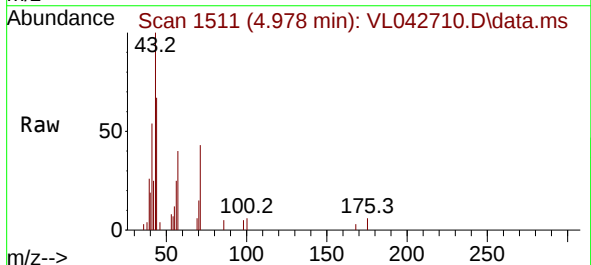
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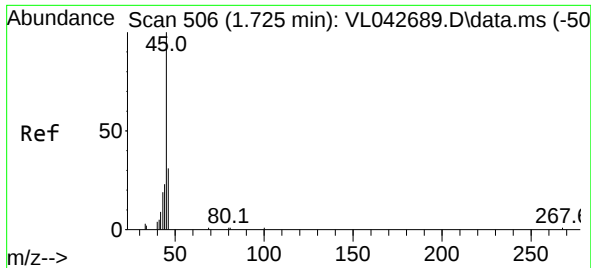
Reviewed By :Semsettin Yesilyurt 07/09/2025
 Supervised By :Mahesh Dadoda 07/09/2025



#10
 Heptane
 Concen: 0.136 ppbv m
 RT: 4.978 min Scan# 1511
 Delta R.T. -0.023 min
 Lab File: VL042710.D
 Acq: 08 Jul 2025 12:15

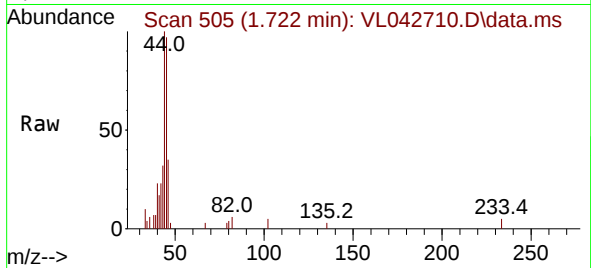
Tgt Ion: 43 Resp: 2529
 Ion Ratio Lower Upper
 43 100
 57 0.0 37.4 56.0#





#13
Ethanol
Concen: 2.514 ppbv m
RT: 1.722 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

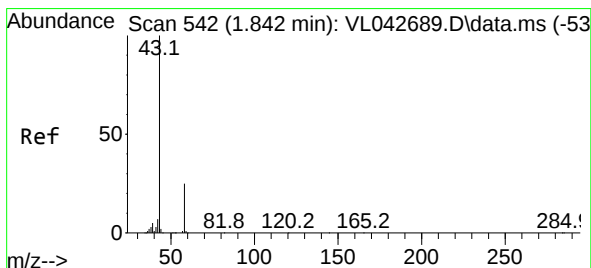
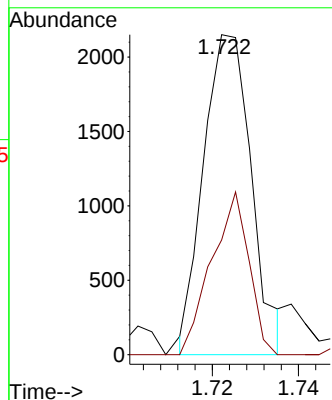
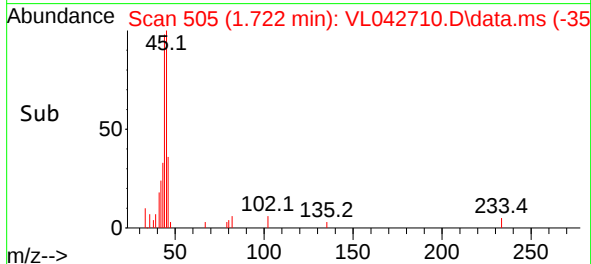
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



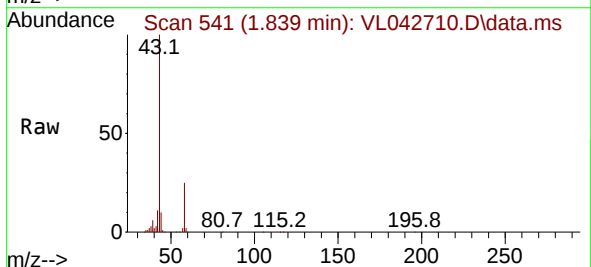
Tgt Ion: 45 Resp: 166
Ion Ratio Lower Upper
45 100
46 6752.5 15.2 60.8

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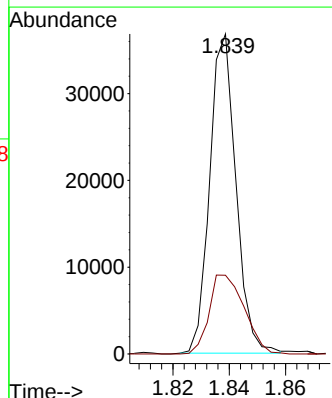
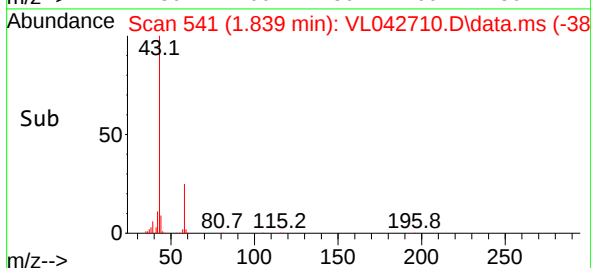
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025

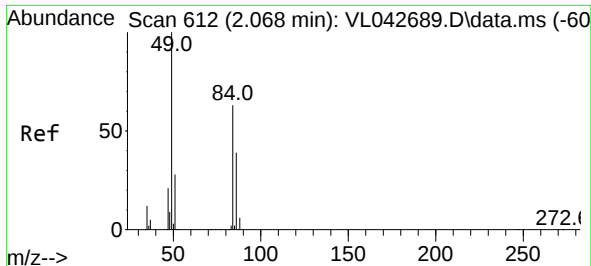


#15
Acetone
Concen: 2.048 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15



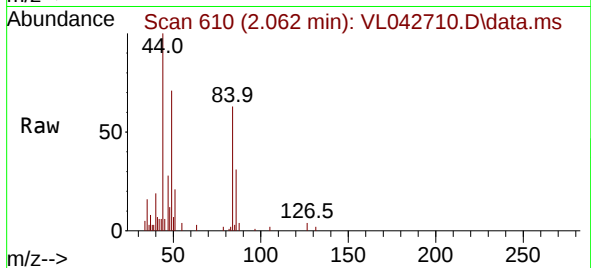
Tgt Ion: 43 Resp: 23773
Ion Ratio Lower Upper
43 100
58 33.2 20.6 31.0#





#20
Methylene Chloride
Concen: 0.382 ppbv
RT: 2.062 min Scan# 612
Delta R.T. -0.006 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

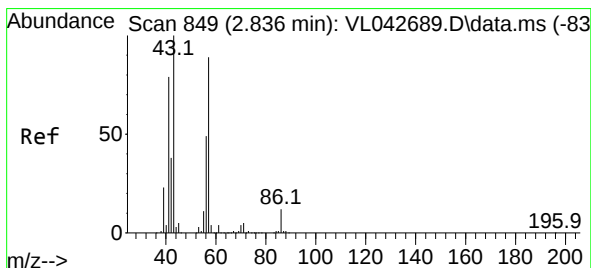
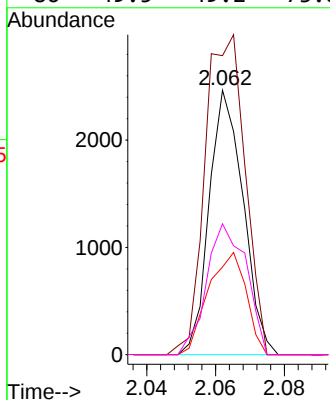
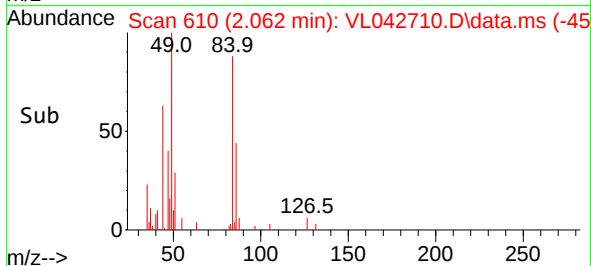
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 84 Resp: 169
Ion Ratio Lower Upper
84 100
49 113.0 128.6 193.0
51 33.1 37.4 56.2
86 49.5 49.2 73.8

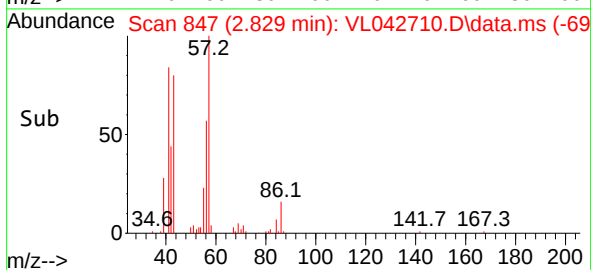
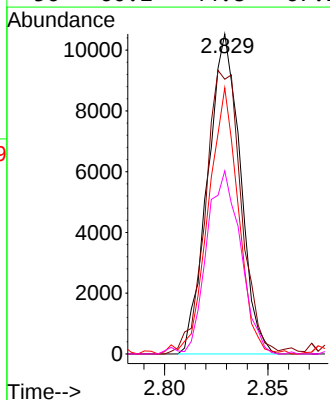
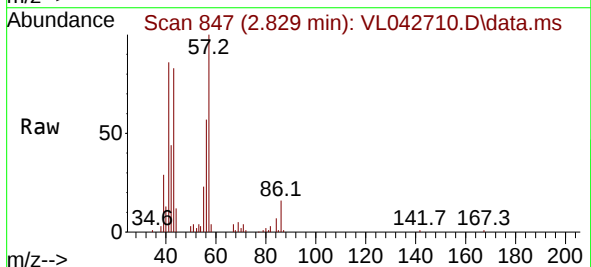
Manual Integrations
APPROVED

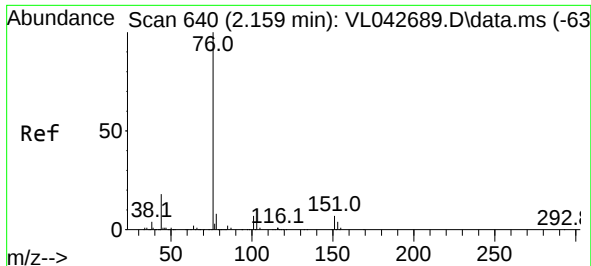
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#26
Hexane
Concen: 0.788 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.006 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

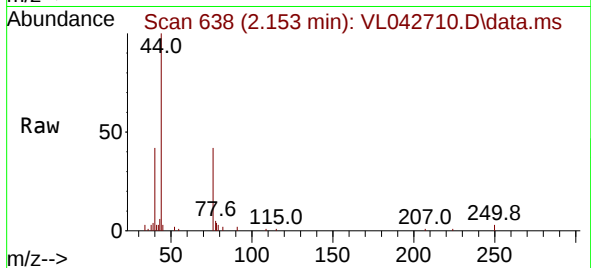
Tgt Ion: 57 Resp: 11543
Ion Ratio Lower Upper
57 100
41 98.8 73.7 110.5
43 77.4 190.6 285.8
56 60.2 44.8 67.2





#27
Carbon Disulfide
Concen: 0.106 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

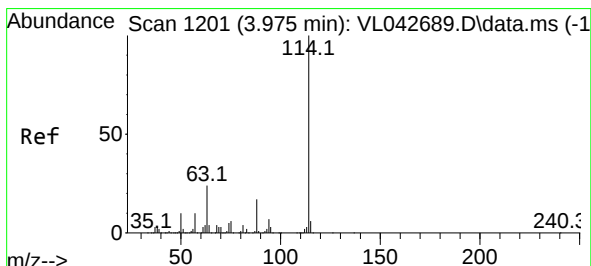
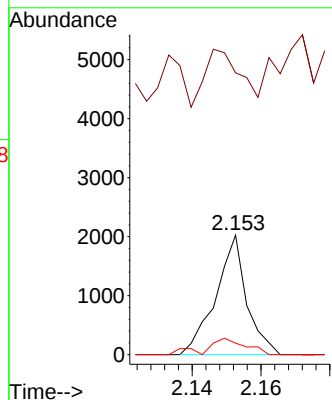
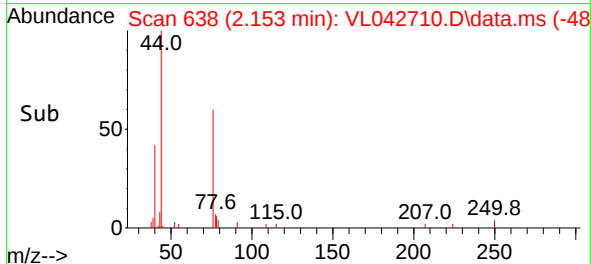
Instrument :
MSVOA_L
Client Sample Id :
SV2DL



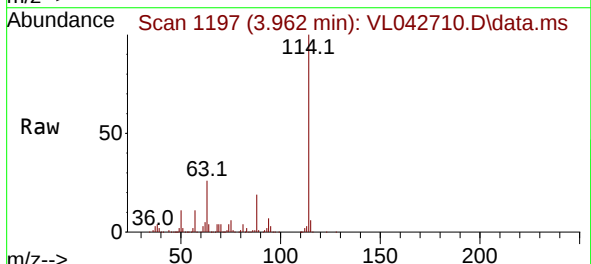
Tgt Ion: 76 Resp: 126
Ion Ratio Lower Upper
76 100
44 627.0 15.6 23.4
78 17.6 9.2 13.8

Manual Integrations
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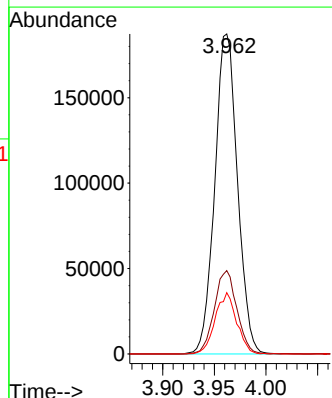
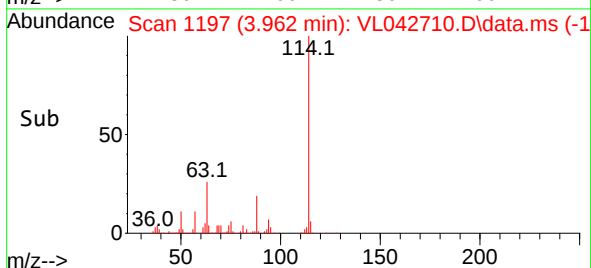
Reviewed By :Semsettin Yesilyurt 07/09/2025
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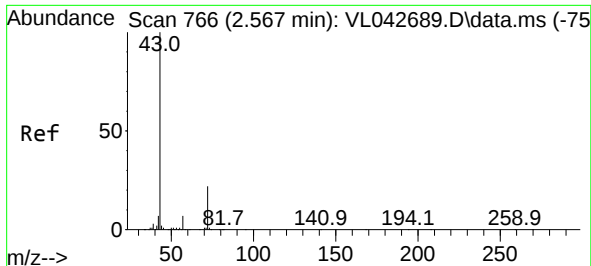


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15



Tgt Ion:114 Resp: 286744
Ion Ratio Lower Upper
114 100
63 25.9 20.4 30.6
88 18.1 14.2 21.2





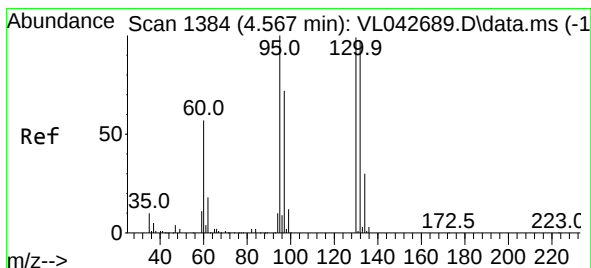
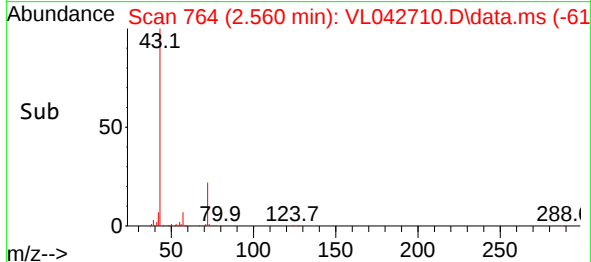
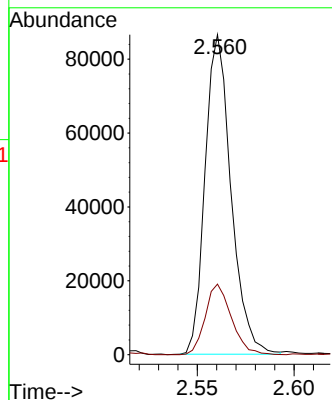
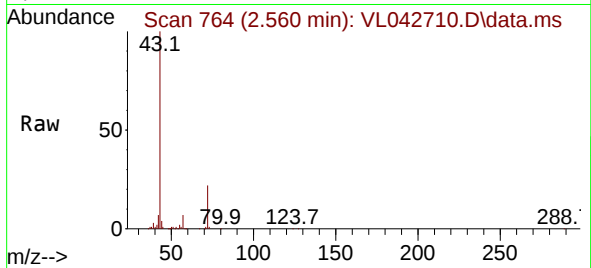
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2-Butanone
Concen: 3.553 ppbv
RT: 2.560 min Scan# 70
Delta R.T. -0.007 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 80629
Ion Ratio Lower Upper
43 100
72 22.5 17.1 25.7

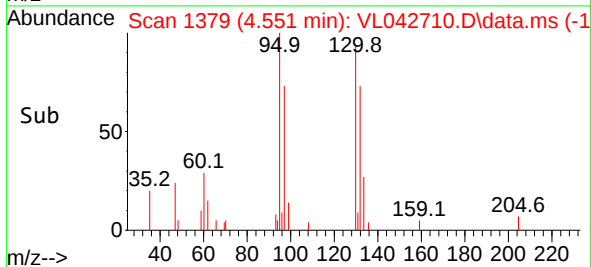
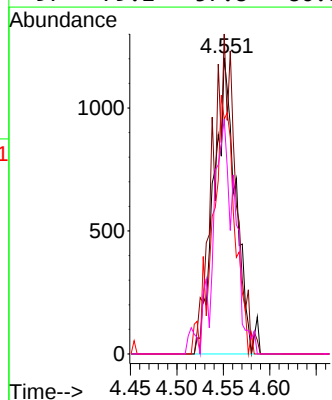
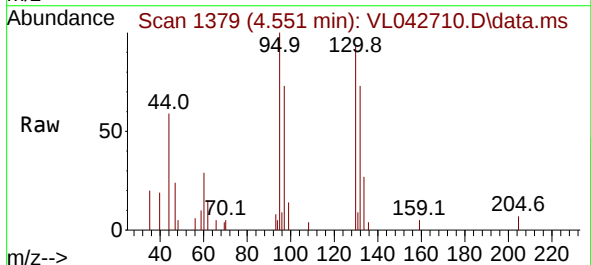
Manual Integrations
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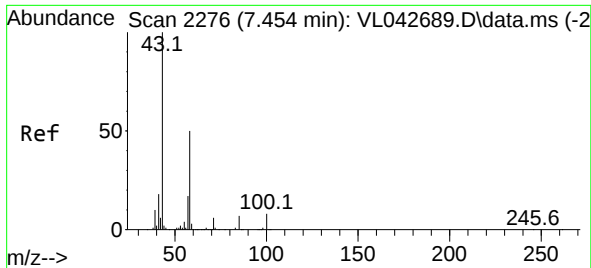
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#38
Trichloroethene
Concen: 0.158 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. -0.016 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

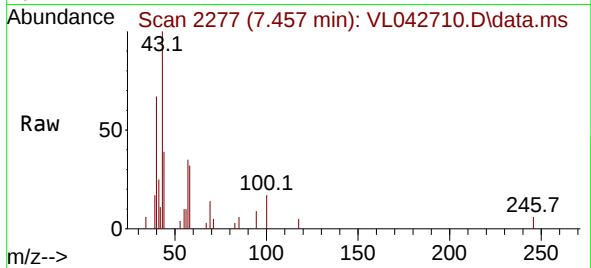
Tgt Ion:130 Resp: 1968
Ion Ratio Lower Upper
130 100
95 108.1 81.1 121.7
132 79.2 77.9 116.9
97 79.2 57.8 86.8





#51
2-Hexanone
Concen: 0.259 ppbv m
RT: 7.457 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

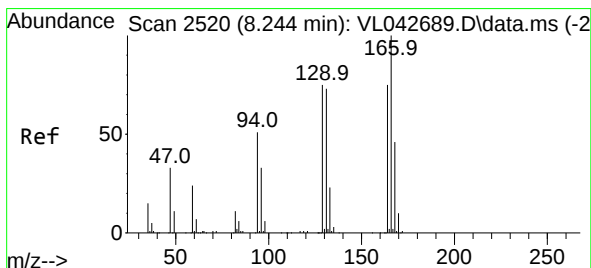
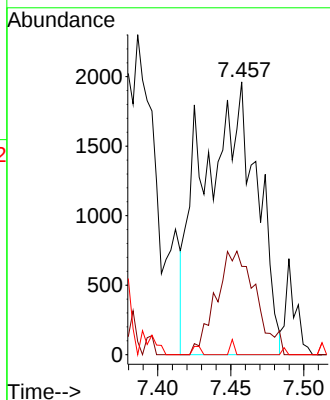
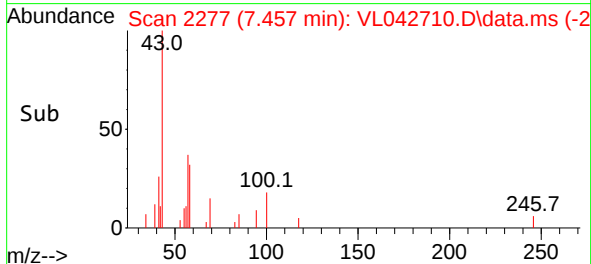
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 0.0 38.6 57.8
98 0.5 0.6 1.0

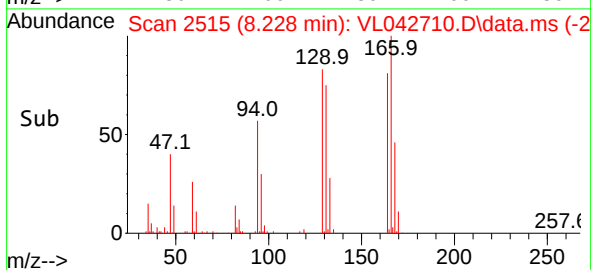
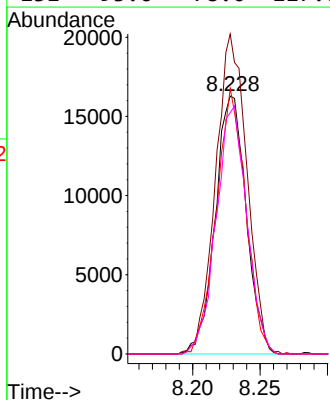
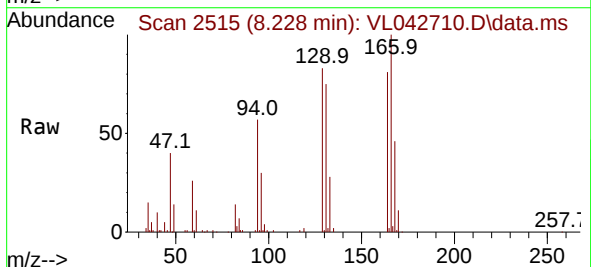
Manual Integrations
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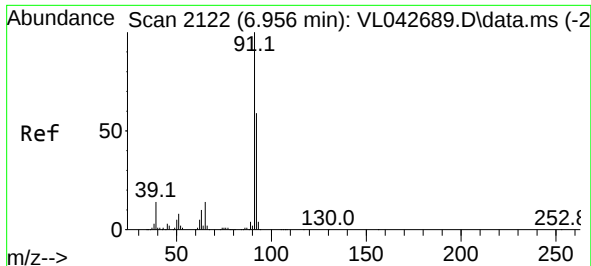
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#52
Tetrachloroethene
Concen: 2.688 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.016 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

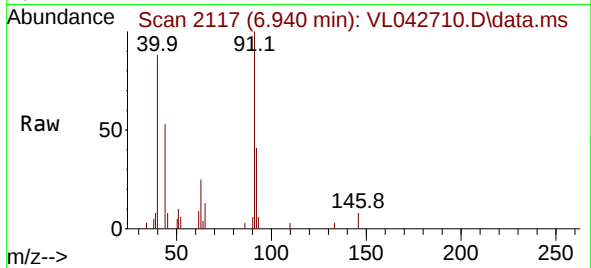
Tgt Ion:164 Resp: 25964
Ion Ratio Lower Upper
164 100
166 124.1 106.6 160.0
129 102.9 79.8 119.6
131 93.6 78.0 117.0





#53
Toluene
Concen: 0.132 ppbv m
RT: 6.940 min Scan# 2117
Delta R.T. -0.016 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

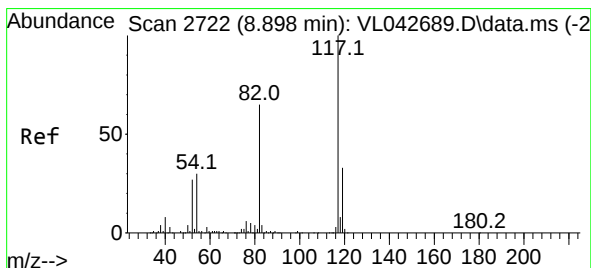
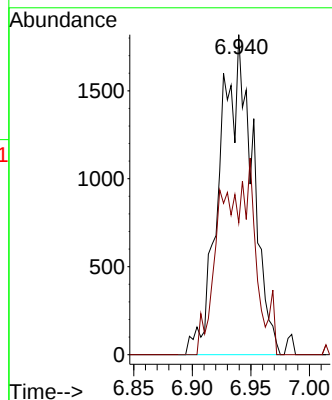
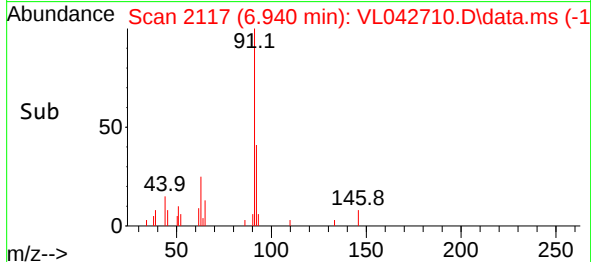
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 91 Resp: 355
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.2

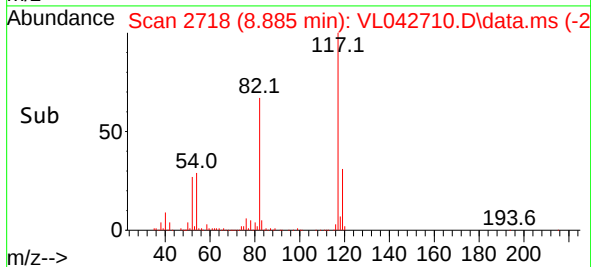
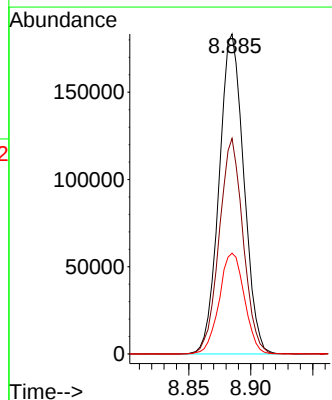
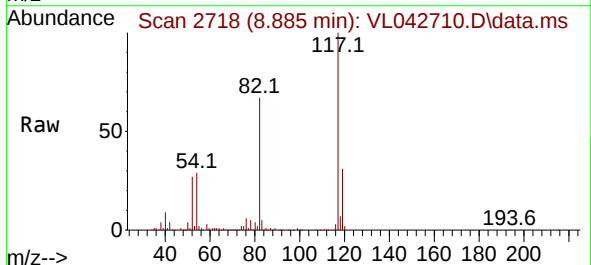
Manual Integrations
APPROVED

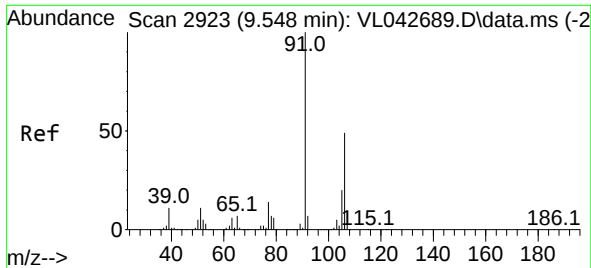
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

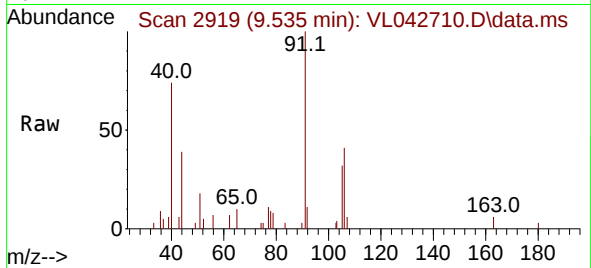
Tgt Ion:117 Resp: 254758
Ion Ratio Lower Upper
117 100
82 65.3 53.4 80.2
119 32.2 26.6 39.8





#59
m/p-Xylene
Concen: 0.104 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

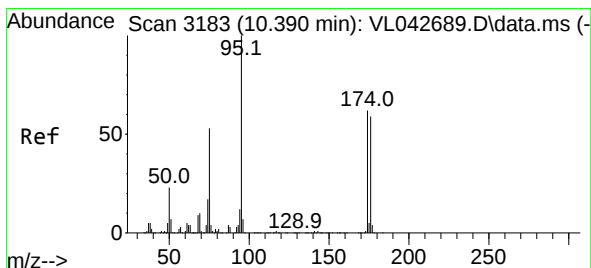
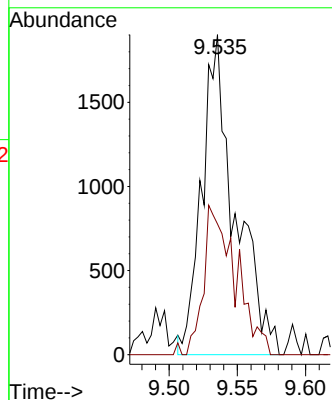
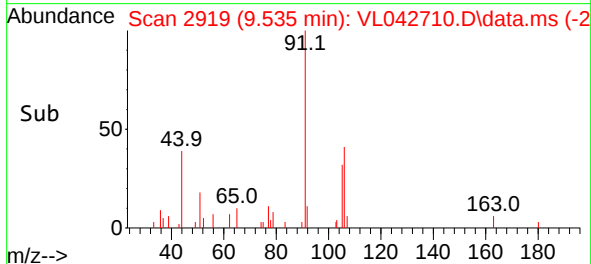
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 91 Resp: 3209
Ion Ratio Lower Upper
91 100
106 45.4 37.6 56.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.461 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.013 min
Lab File: VL042710.D
Acq: 08 Jul 2025 12:15

Tgt Ion: 95 Resp: 204982
Ion Ratio Lower Upper
95 100
174 64.2 51.2 76.8
175 4.9 3.8 5.8

