

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042779.D
 Acq On : 29 Jul 2025 12:37
 Operator : SY/MD
 Sample : Q2712-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:10:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 29 2025
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	149861	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	401762	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	373347	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	301363	10.193	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
					Qvalue	
10) Heptane	4.978	43	3914m	0.155	ppbv	
13) Ethanol	1.722	45	24709	35.022	ppbv	91
15) Acetone	1.835	43	22289	1.077	ppbv	98
26) Hexane	2.826	57	13650	0.679	ppbv #	60
34) 2-Butanone	2.564	43	3394	0.119	ppbv #	84
52) Tetrachloroethene	8.231	164	18021	1.142	ppbv	90
53) Toluene	6.936	91	7316m	0.179	ppbv	
59) m/p-Xylene	9.539	91	8423m	0.179	ppbv	

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

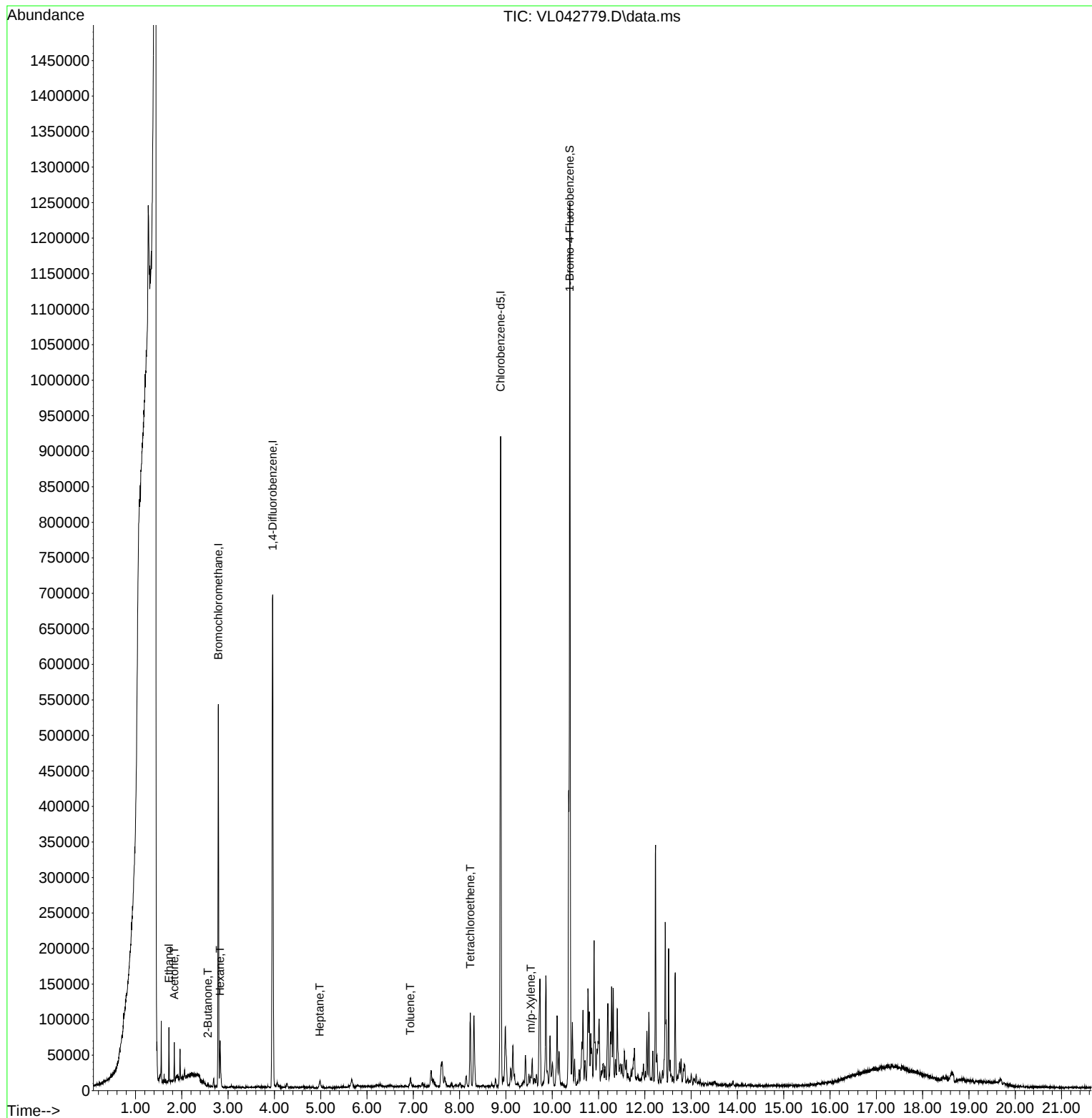
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042779.D
Acq On : 29 Jul 2025 12:37
Operator : SY/MD
Sample : Q2712-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

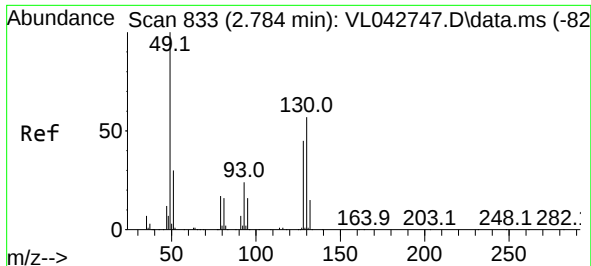
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Quant Time: Jul 30 01:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/30/2025
Supervised By : Mahesh Dadoda 07/30/2025





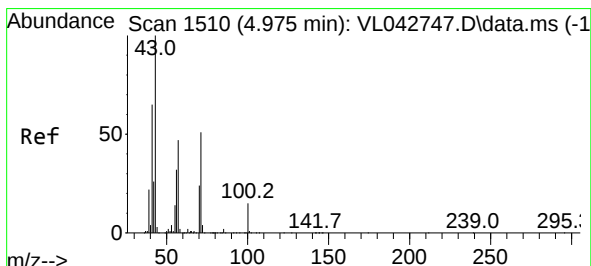
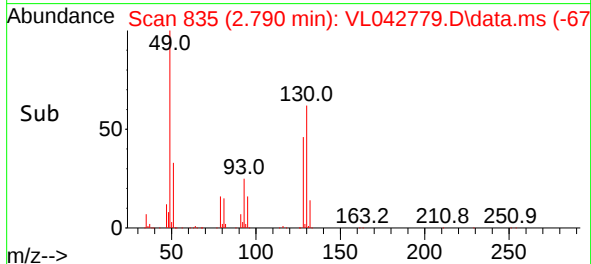
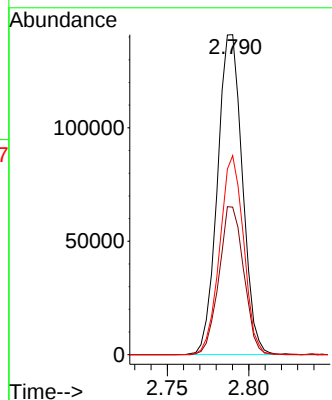
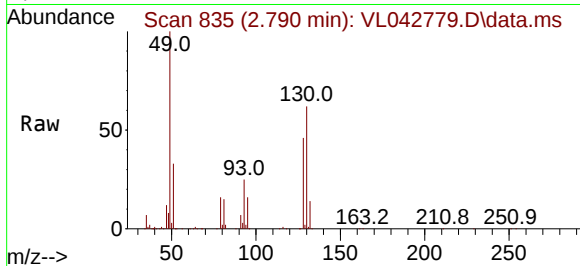
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 49 Resp: 14986
Ion Ratio Lower Upper
49 100
128 46.0 23.6 71.0
130 59.7 30.3 90.8

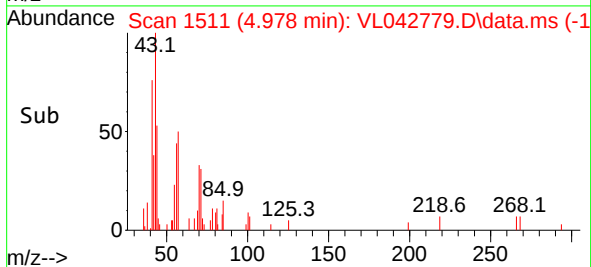
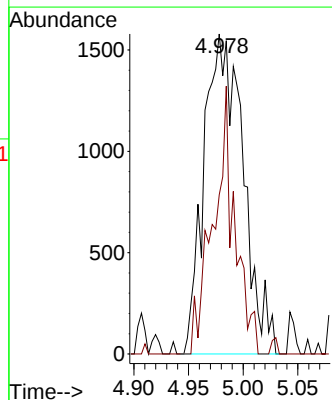
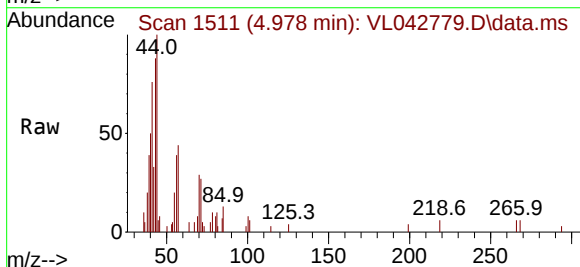
Manual Integrations
APPROVED

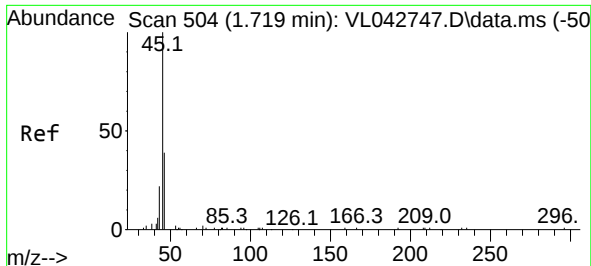
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#10
Heptane
Concen: 0.155 ppbv m
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

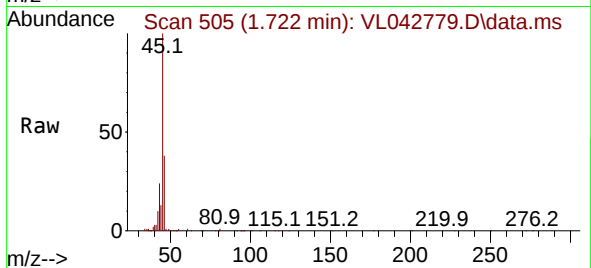
Tgt Ion: 43 Resp: 3914
Ion Ratio Lower Upper
43 100
57 46.8 39.9 59.9





#13
Ethanol
Concen: 35.022 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

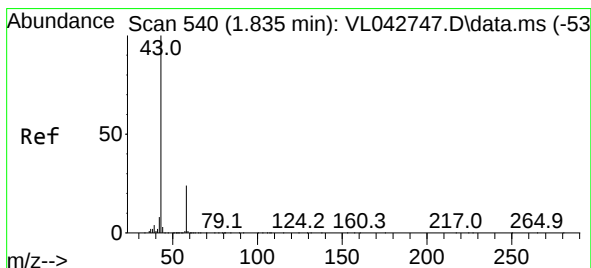
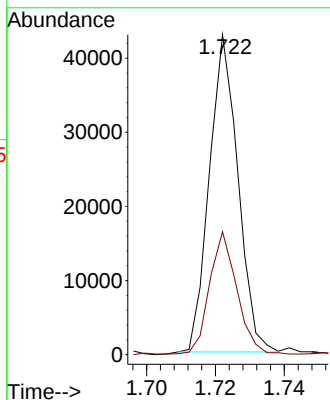
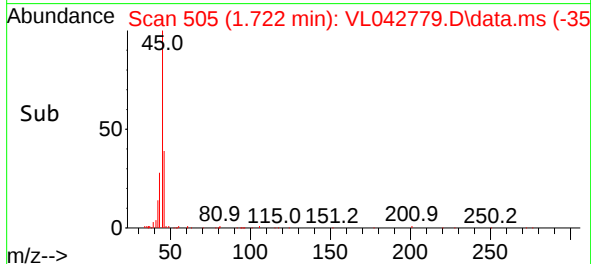
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



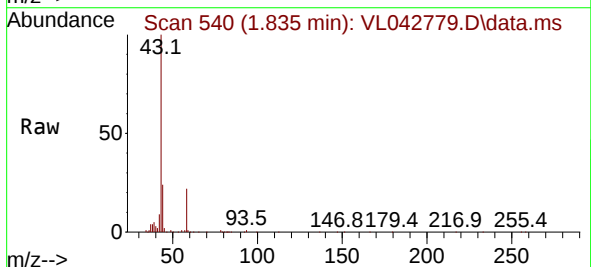
Tgt Ion: 45 Resp: 24709
Ion Ratio Lower Upper
45 100
46 38.6 17.8 71.4

Manual Integrations
APPROVED

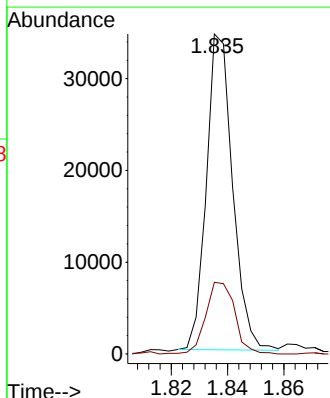
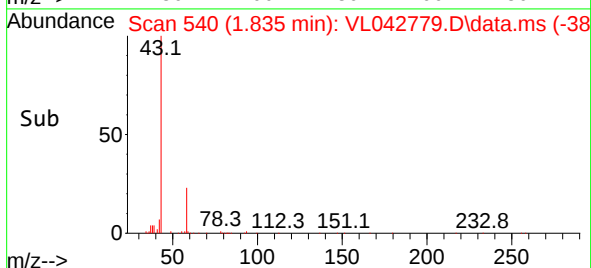
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

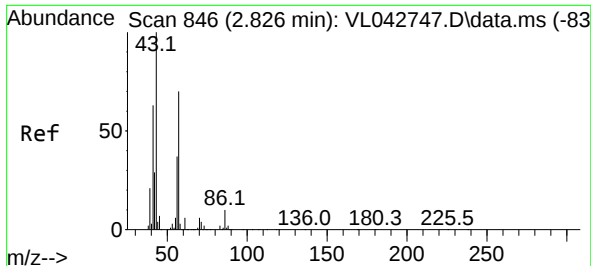


#15
Acetone
Concen: 1.077 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37



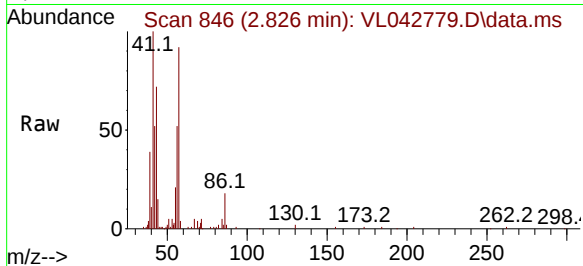
Tgt Ion: 43 Resp: 22289
Ion Ratio Lower Upper
43 100
58 26.0 19.8 29.8





#26
Hexane
Concen: 0.679 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

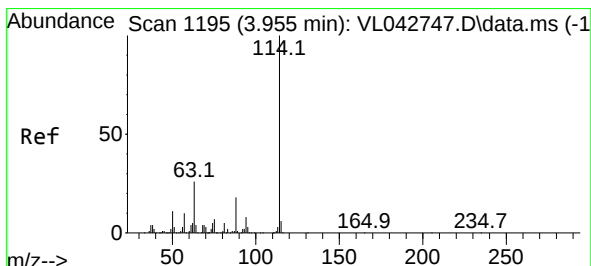
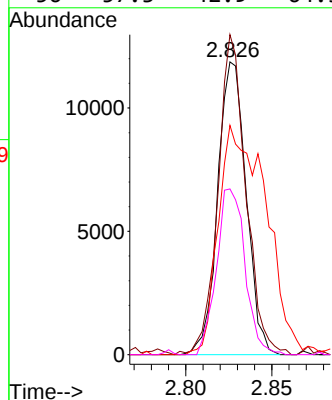
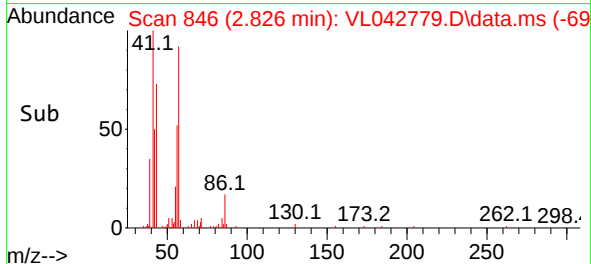
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



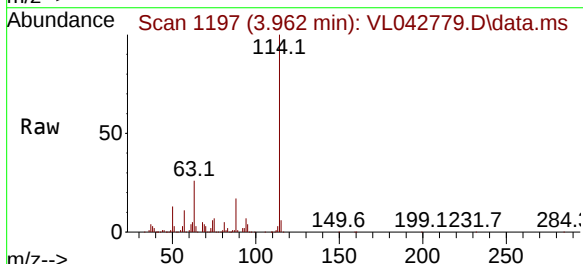
Tgt Ion: 57 Resp: 13650
Ion Ratio Lower Upper
57 100
41 107.7 75.4 113.2
43 133.5 185.0 277.6
56 57.3 42.9 64.3

Manual Integrations
APPROVED

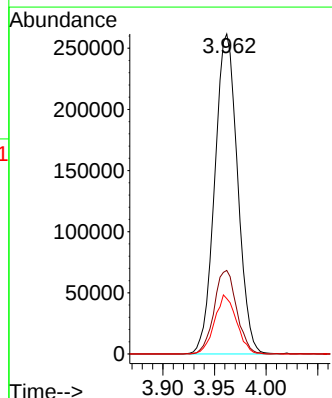
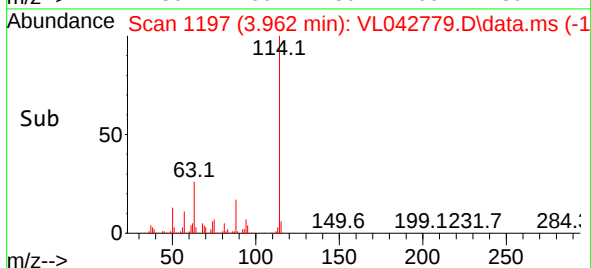
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

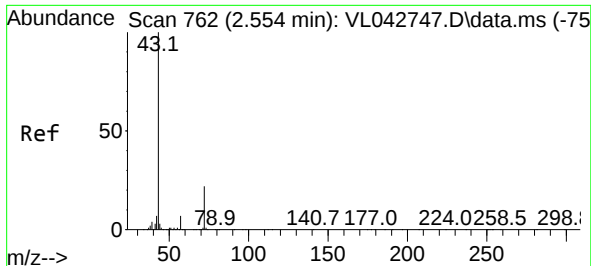


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37



Tgt Ion:114 Resp: 401762
Ion Ratio Lower Upper
114 100
63 26.0 20.5 30.7
88 17.7 14.0 21.0





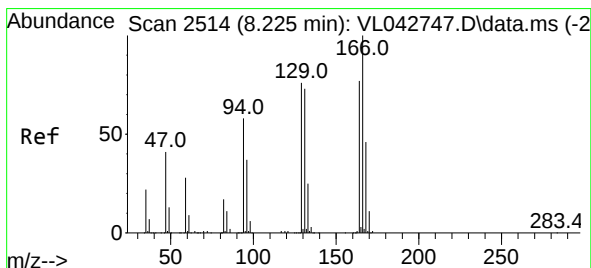
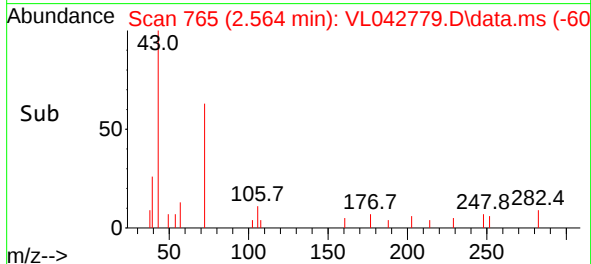
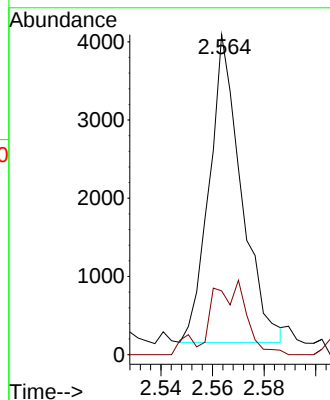
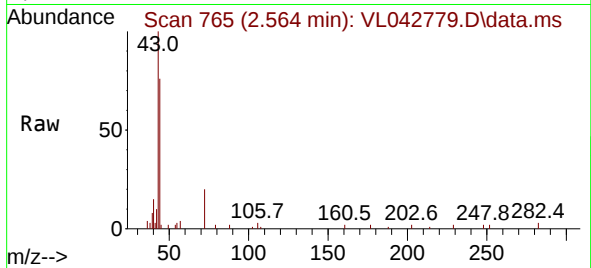
#34
2-Butanone
Concen: 0.119 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 3394
Ion Ratio Lower Upper
43 100
72 29.3 17.4 26.0

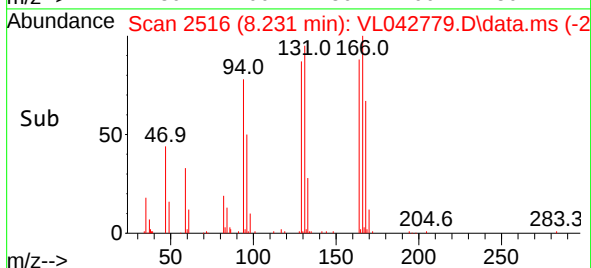
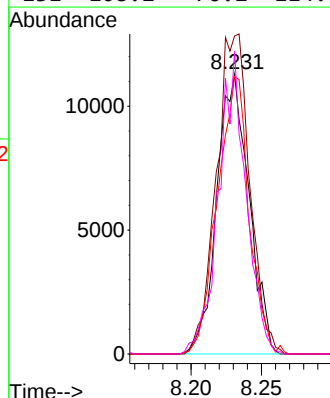
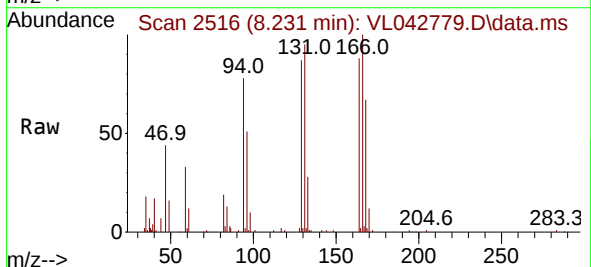
Manual Integrations
APPROVED

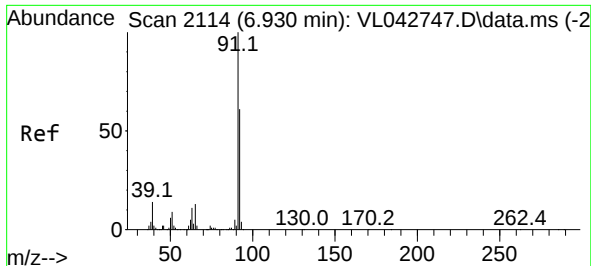
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#52
Tetrachloroethene
Concen: 1.142 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.006 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

Tgt Ion:164 Resp: 18021
Ion Ratio Lower Upper
164 100
166 113.6 104.0 156.0
129 99.1 79.2 118.8
131 108.2 76.2 114.4





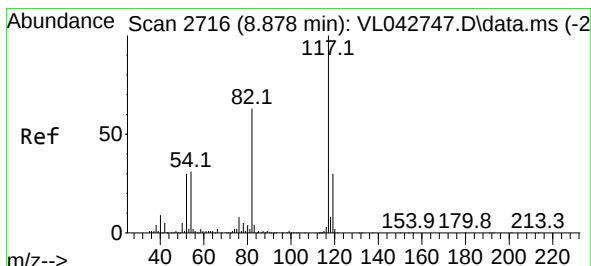
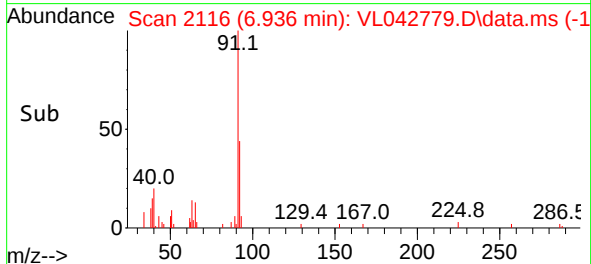
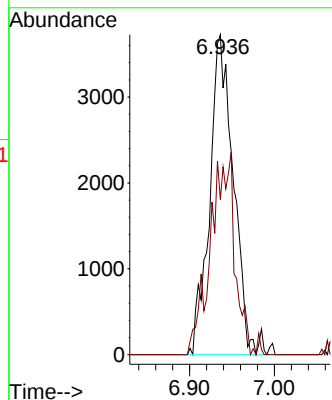
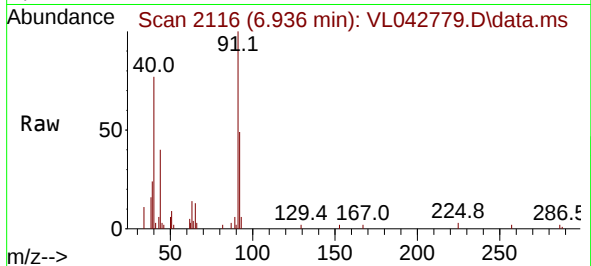
#53
Toluene
Concen: 0.179 ppbv m
RT: 6.936 min Scan# 2114
Delta R.T. 0.006 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 7310
Ion Ratio Lower Upper
91 100
92 64.8 48.0 72.0

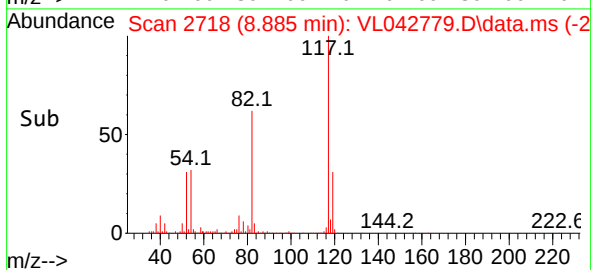
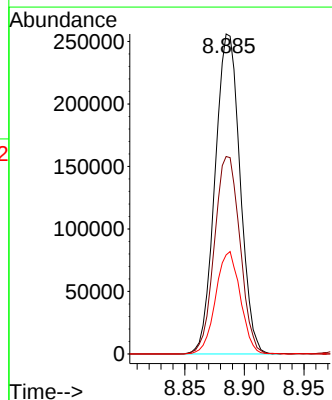
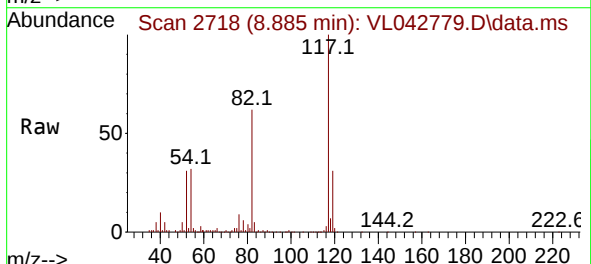
Manual Integrations
APPROVED

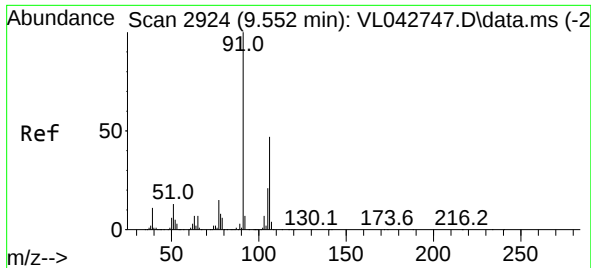
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.006 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

Tgt Ion:117 Resp: 373347
Ion Ratio Lower Upper
117 100
82 63.1 53.3 79.9
119 31.6 25.8 38.6





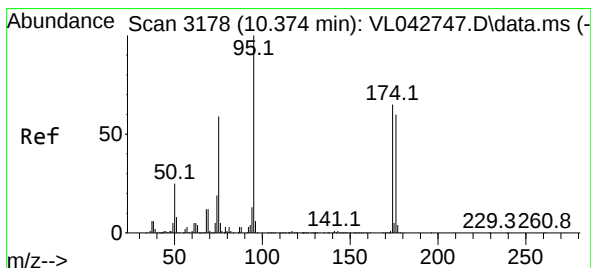
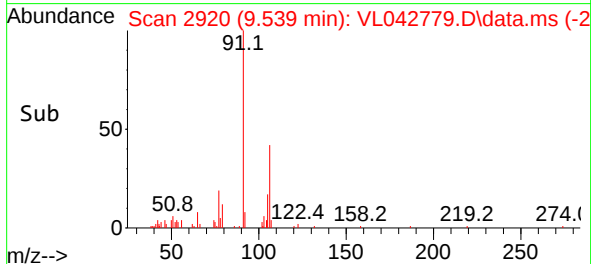
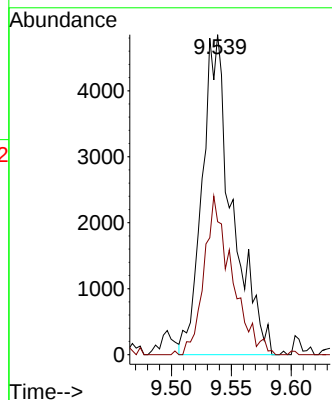
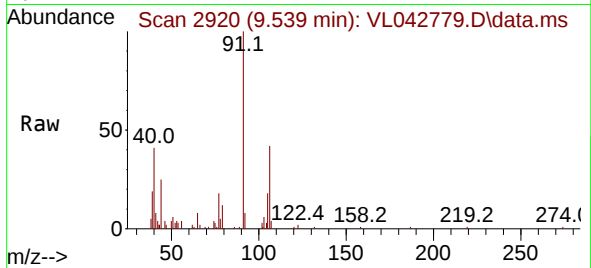
#59
m/p-Xylene
Concen: 0.179 ppbv m
RT: 9.539 min Scan# 2924
Delta R.T. -0.013 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 842
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.193 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.006 min
Lab File: VL042779.D
Acq: 29 Jul 2025 12:37

Tgt Ion: 95 Resp: 301363
Ion Ratio Lower Upper
95 100
174 66.1 53.8 80.6
175 5.0 4.0 6.0

