

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042770.D
 Acq On : 24 Jul 2025 18:05
 Operator : SY/MD
 Sample : Q2671-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 118-IA-2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/25/2025
 Supervised By : Mahesh Dadoda 07/25/2025

Quant Time: Jul 25 01:30:37 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	2.793	49	153526	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	414561	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	358888	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	280181	9.858	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
9) Propene	1.479	41	21115m	2.197	ppbv	
13) Ethanol	1.725	45	347930	496.065	ppbv	88
15) Acetone	1.839	43	94811	4.472	ppbv	99
19) Isopropyl Alcohol	1.890	45	43059	3.822	ppbv #	70
26) Hexane	2.832	57	11237	0.546	ppbv	84
32) 1,1,1-Trichloroethane	3.379	97	1158m	0.035	ppbv	
34) 2-Butanone	2.567	43	3750	0.128	ppbv	96
37) 1,2-Dichloroethane	3.227	62	2882m	0.122	ppbv	
52) Tetrachloroethene	8.231	164	963m	0.059	ppbv	
53) Toluene	6.946	91	6108m	0.145	ppbv	

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

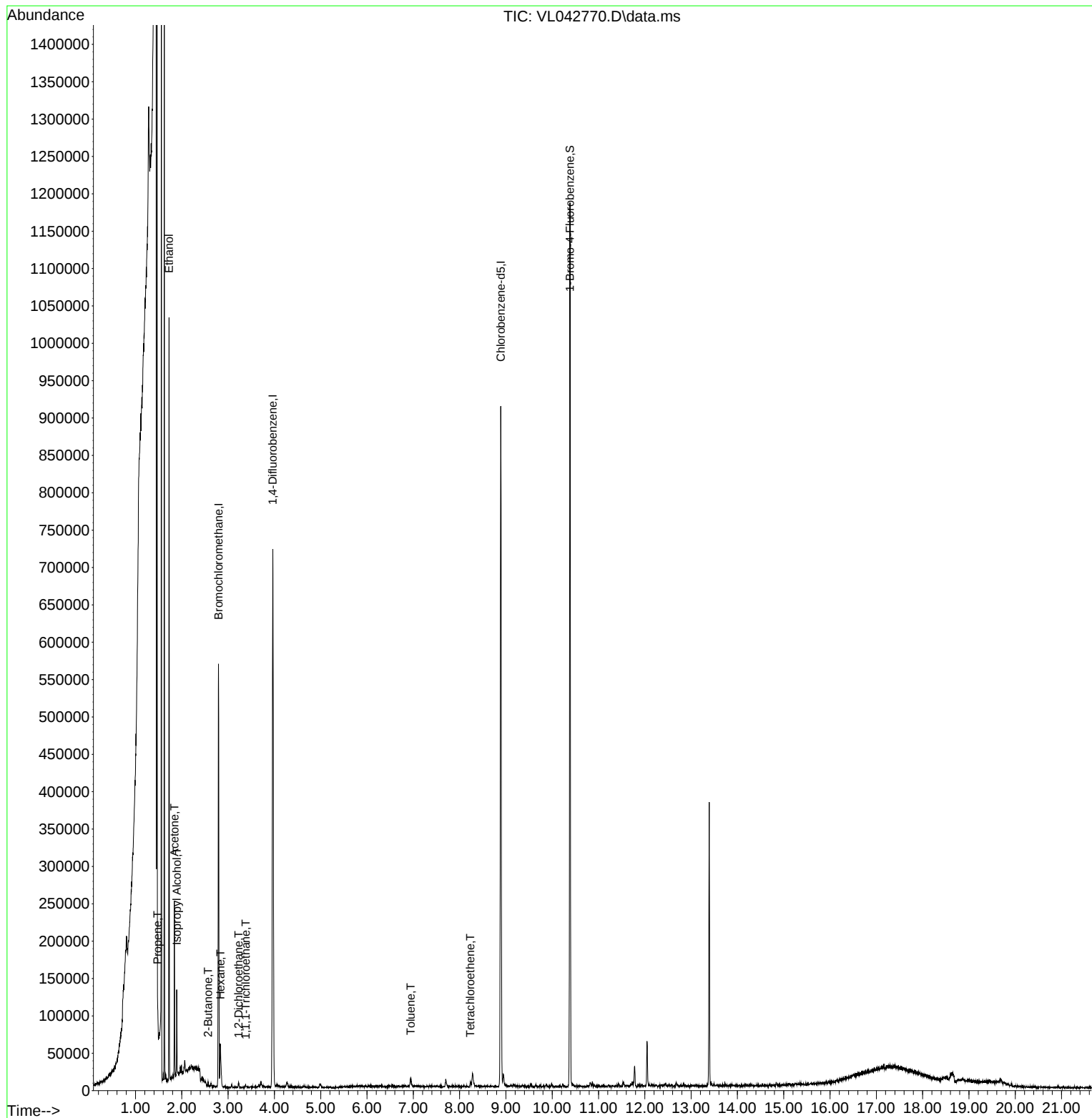
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042770.D
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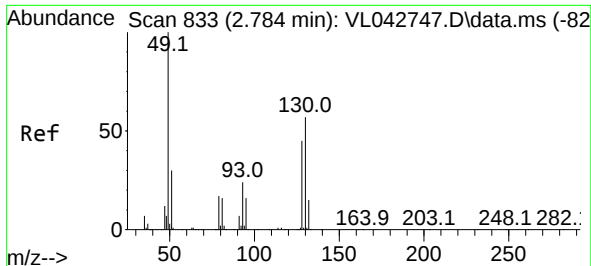
Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Quant Time: Jul 25 01:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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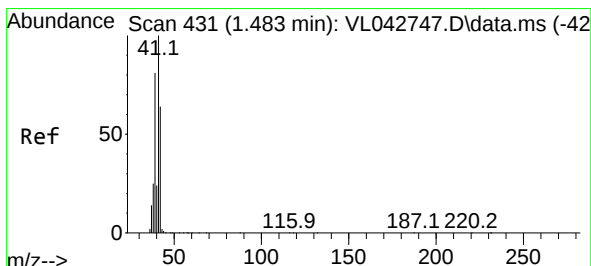
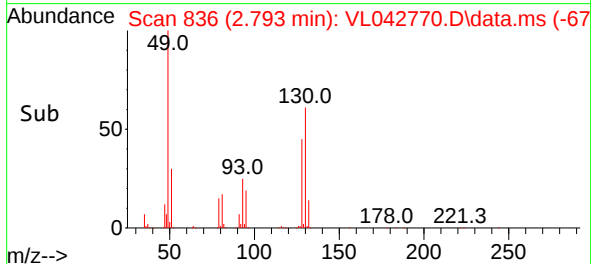
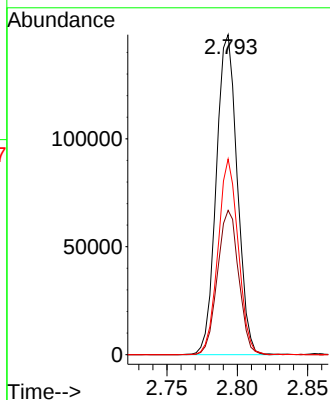
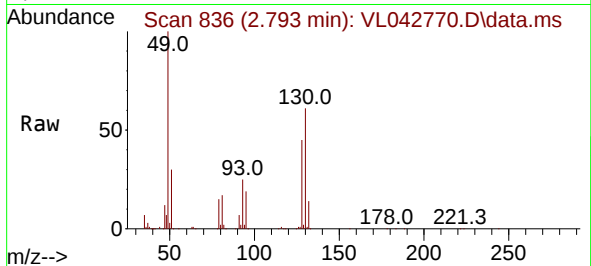
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 49 Resp: 153520
Ion Ratio Lower Upper
49 100
128 45.7 23.6 71.0
130 58.9 30.3 90.8

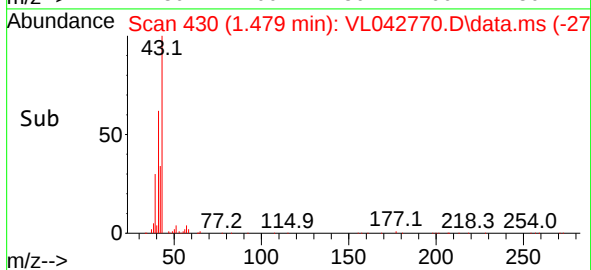
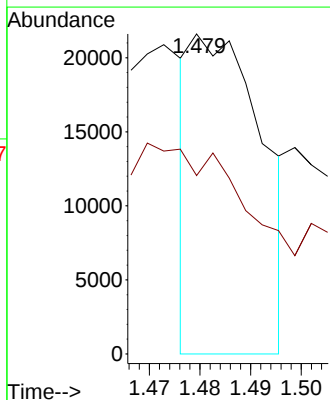
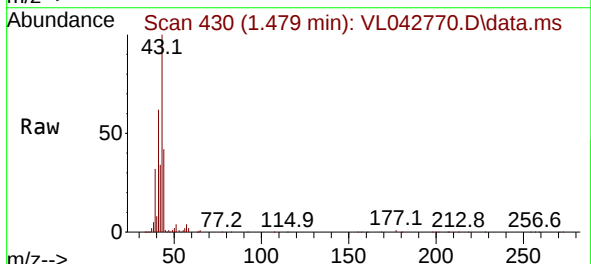
Manual Integrations
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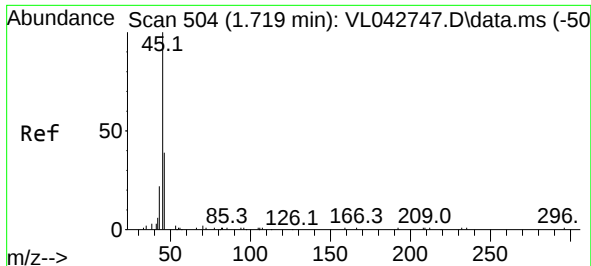
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#9
Propene
Concen: 2.197 ppbv m
RT: 1.479 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

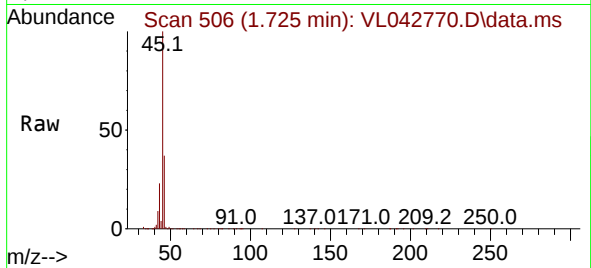
Tgt Ion: 41 Resp: 21115
Ion Ratio Lower Upper
41 100
42 745.0 53.2 79.8#





#13
Ethanol
Concen: 496.065 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

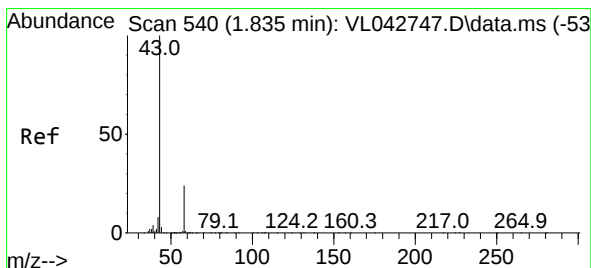
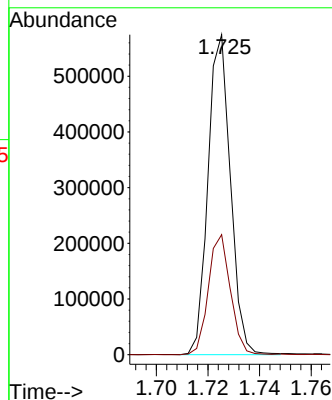
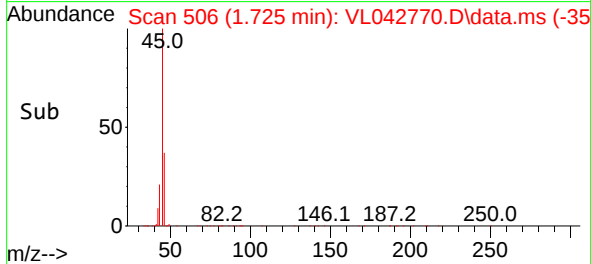
Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL



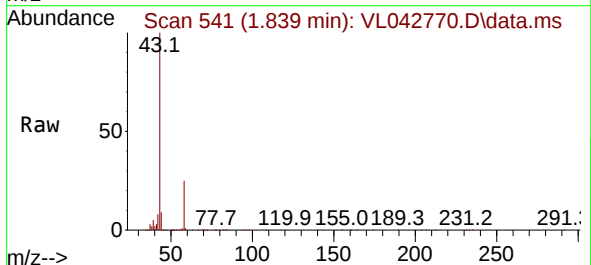
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Ion Ratio Lower Upper
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46 37.0 17.8 71.4

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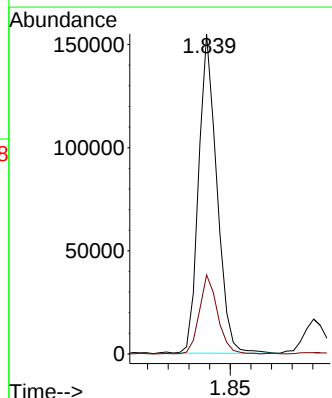
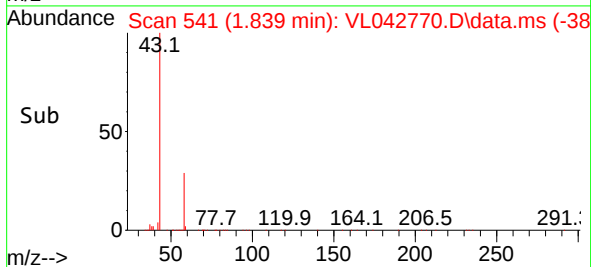
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

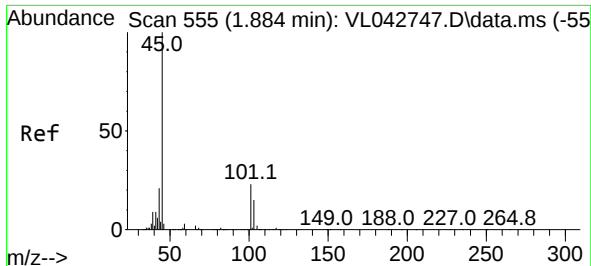


#15
Acetone
Concen: 4.472 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05



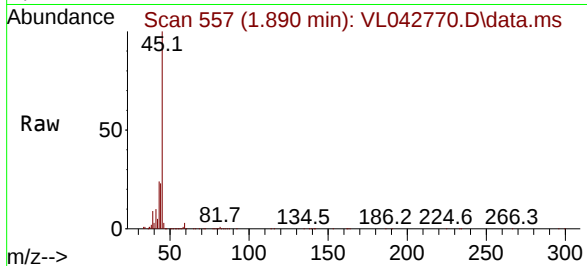
Tgt Ion: 43 Resp: 94811
Ion Ratio Lower Upper
43 100
58 25.1 19.8 29.8





#19
Isopropyl Alcohol
Concen: 3.822 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

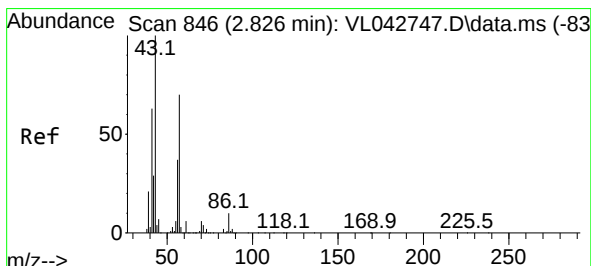
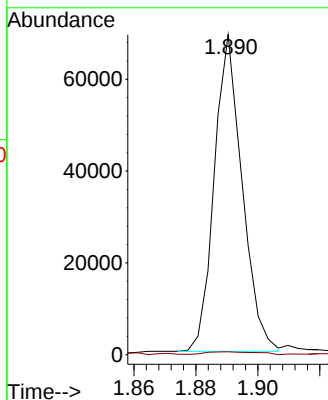
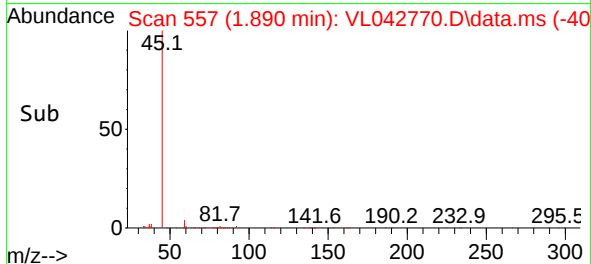
Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL



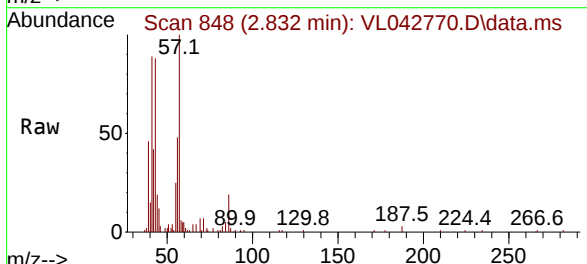
Tgt Ion: 45 Resp: 43059
Ion Ratio Lower Upper
45 100
58 55.2 30.0 45.0

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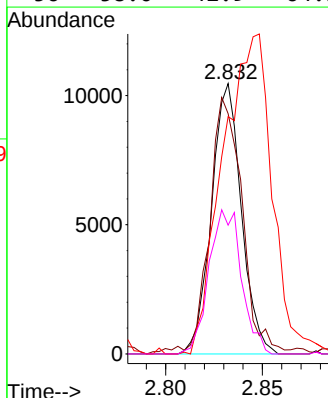
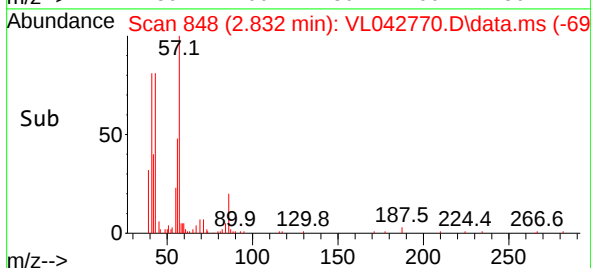
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

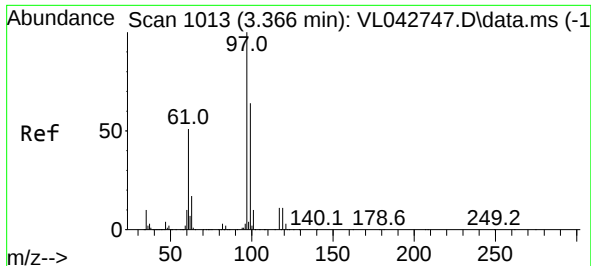


#26
Hexane
Concen: 0.546 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05



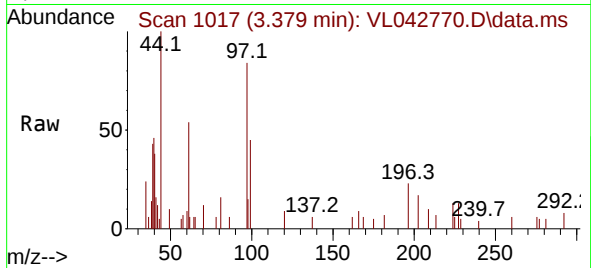
Tgt Ion: 57 Resp: 11237
Ion Ratio Lower Upper
57 100
41 104.7 75.4 113.2
43 196.4 185.0 277.6
56 58.0 42.9 64.3





#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv m
RT: 3.379 min Scan# 1013
Delta R.T. 0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

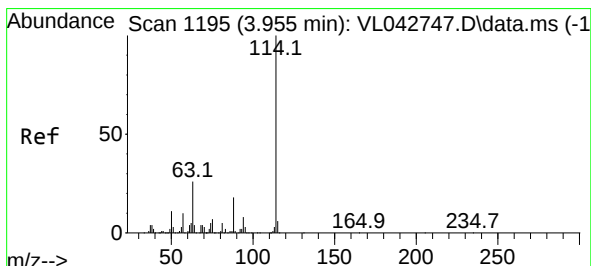
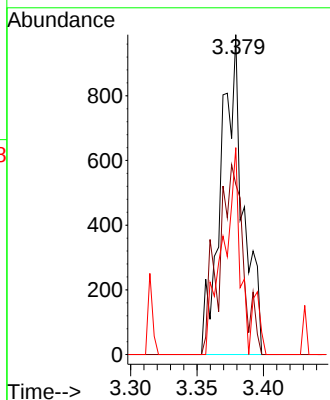
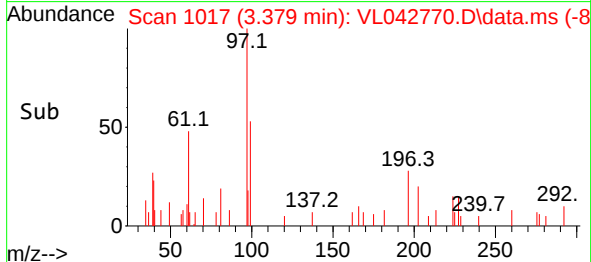
Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL



Tgt Ion: 97 Resp: 1158
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.6
61 56.0 40.9 61.3

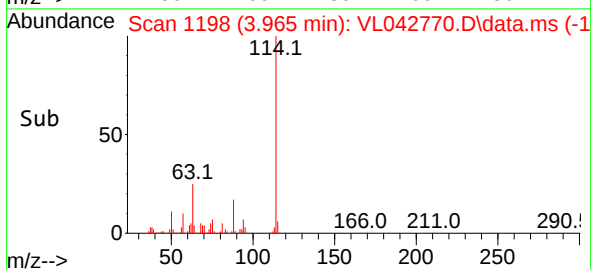
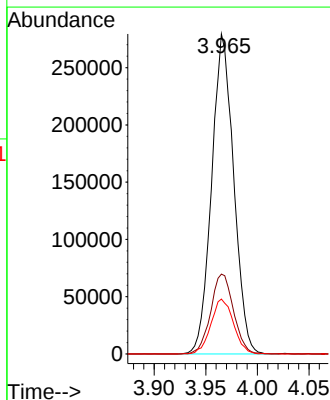
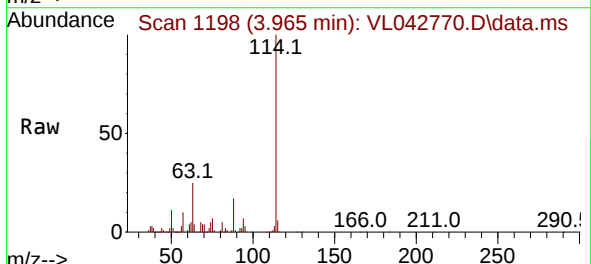
Manual Integrations
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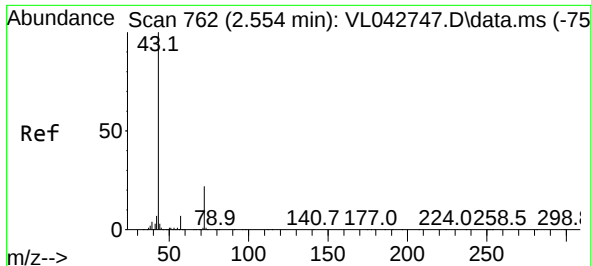
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion:114 Resp: 414561
Ion Ratio Lower Upper
114 100
63 26.0 20.5 30.7
88 17.6 14.0 21.0





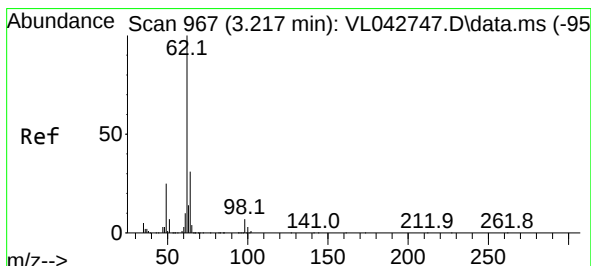
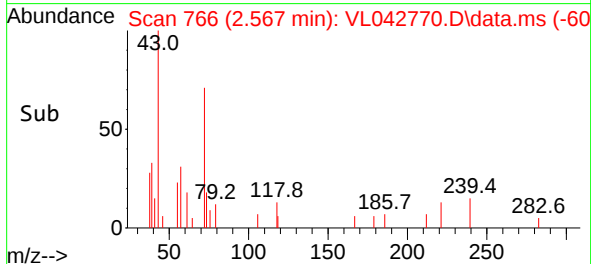
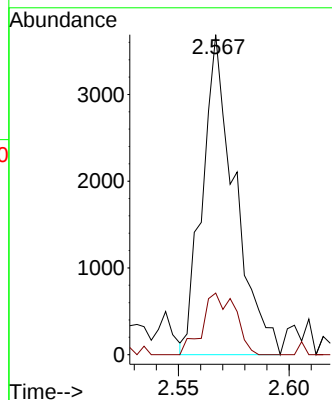
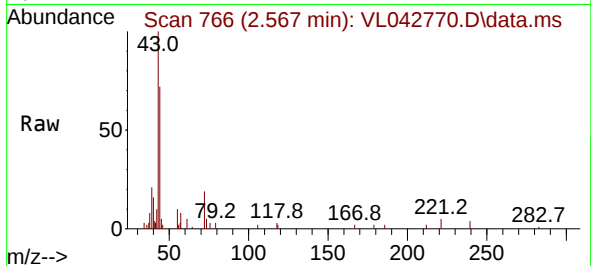
#34
2-Butanone
Concen: 0.128 ppbv
RT: 2.567 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 43 Resp: 3750
Ion Ratio Lower Upper
43 100
72 19.7 17.4 26.0

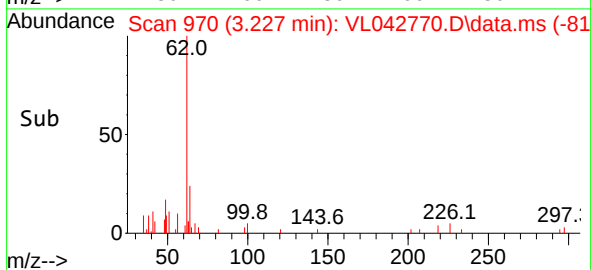
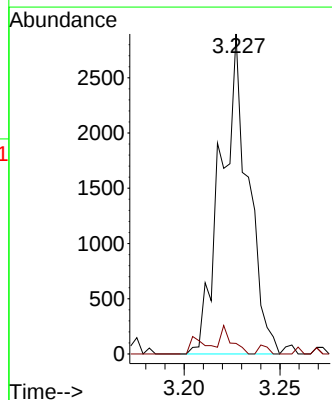
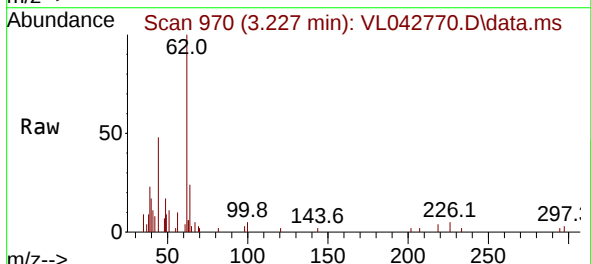
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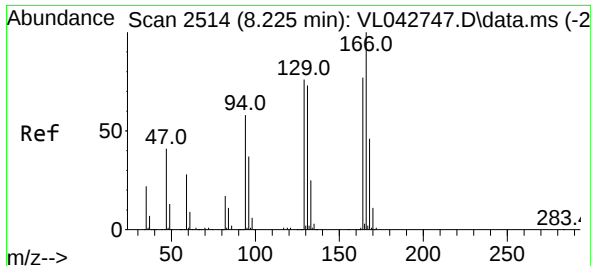
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#37
1,2-Dichloroethane
Concen: 0.122 ppbv m
RT: 3.227 min Scan# 970
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

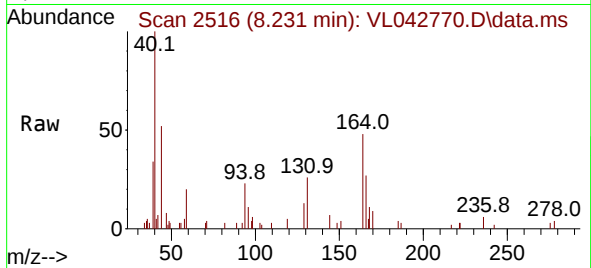
Tgt Ion: 62 Resp: 2882
Ion Ratio Lower Upper
62 100
98 0.0 5.2 7.8#





#52
Tetrachloroethene
Concen: 0.059 ppbv m
RT: 8.231 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

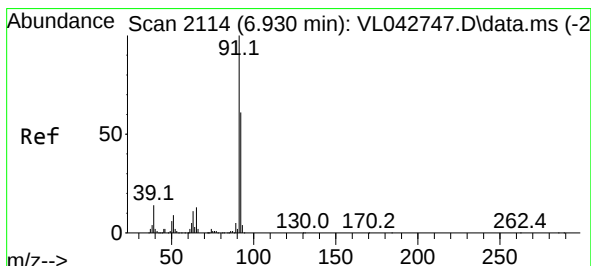
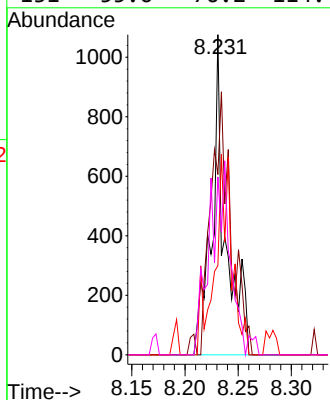
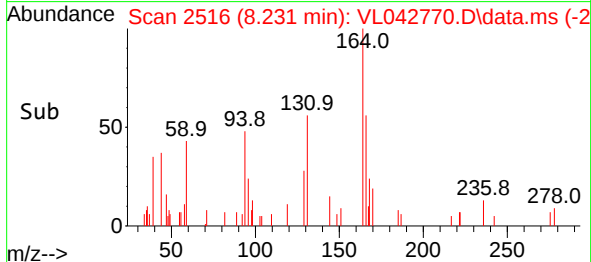
Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL



Tgt Ion:164 Resp: 961
Ion Ratio Lower Upper
164 100
166 56.3 104.0 156.0
129 27.9 79.2 118.8
131 55.6 76.2 114.4

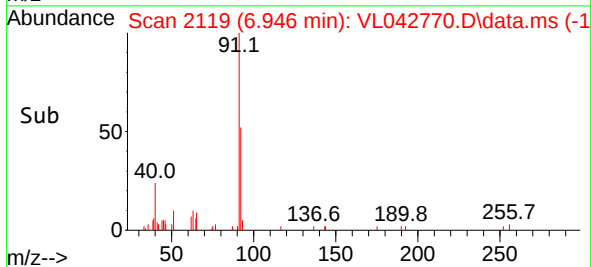
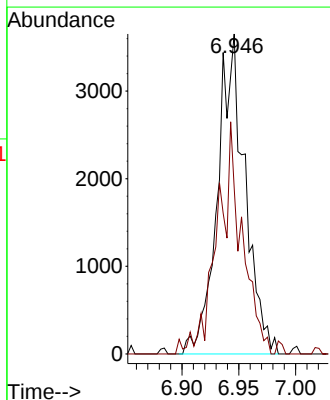
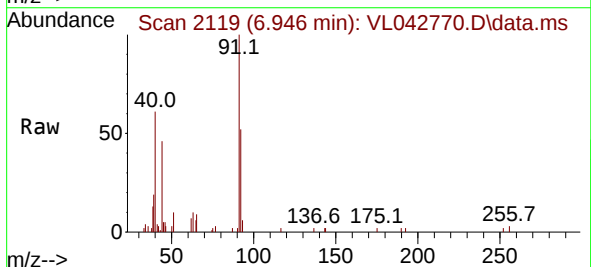
Manual Integrations
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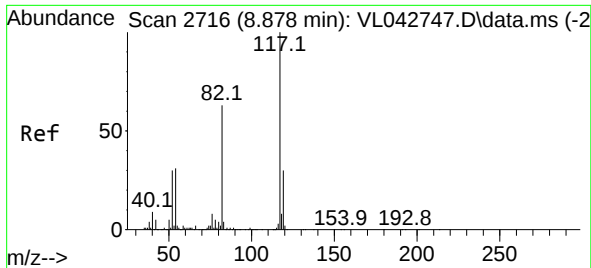
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#53
Toluene
Concen: 0.145 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 91 Resp: 6108
Ion Ratio Lower Upper
91 100
92 66.5 48.0 72.0





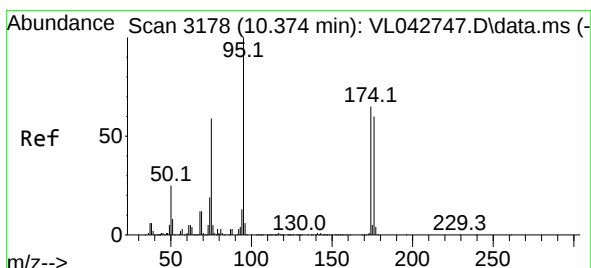
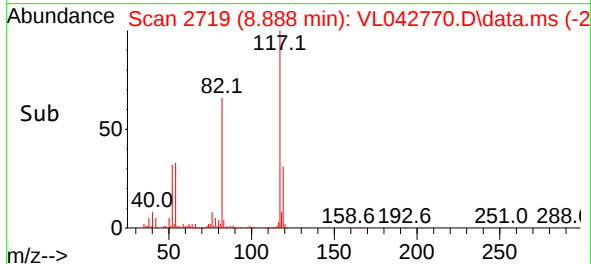
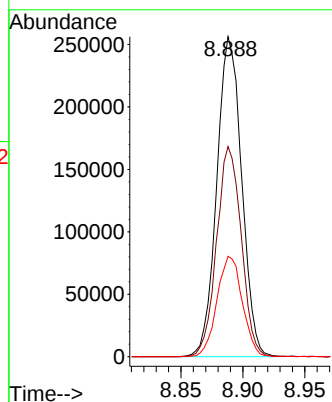
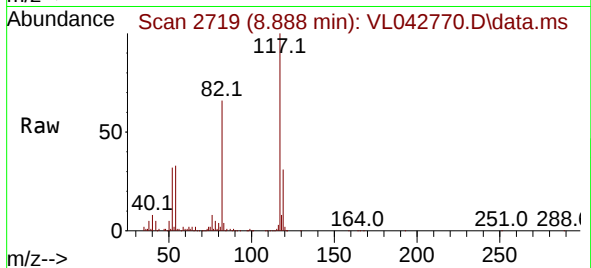
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion:117 Resp: 35888
Ion Ratio Lower Upper
117 100
82 65.1 53.3 79.9
119 32.1 25.8 38.6

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.858 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 95 Resp: 280181
Ion Ratio Lower Upper
95 100
174 65.2 53.8 80.6
175 4.9 4.0 6.0

