

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042972.D
 Acq On : 23 Sep 2025 00:00
 Operator : SY/MD
 Sample : Q3130-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 131-1A-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:58:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	145953	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	431842	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	383750	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	292508	10.211	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	8120	0.414	ppbv	97
4) Chloromethane	1.531	50	3356	0.378	ppbv	96
9) Propene	1.486	41	3184m	0.299	ppbv	
11) Trichlorofluoromethane	1.878	101	4596	0.243	ppbv	85
13) Ethanol	1.722	45	162942	157.804	ppbv	96
15) Acetone	1.836	43	81435	4.284	ppbv	99
19) Isopropyl Alcohol	1.891	45	6519	0.570	ppbv #	1
20) Methylene Chloride	2.062	84	37760	6.423	ppbv	97
26) Hexane	2.829	57	84491	3.858	ppbv #	47
34) 2-Butanone	2.561	43	7799	0.258	ppbv	91
35) Carbon Tetrachloride	3.761	117	1786m	0.064	ppbv	
36) Benzene	3.655	78	5706	0.141	ppbv #	92
37) 1,2-Dichloroethane	3.221	62	2796	0.131	ppbv #	94
50) 4-Methyl-2-Pentanone	5.775	43	5198m	0.128	ppbv	
53) Toluene	6.937	91	14087m	0.293	ppbv	
59) m/p-Xylene	9.529	91	6460m	0.130	ppbv	

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

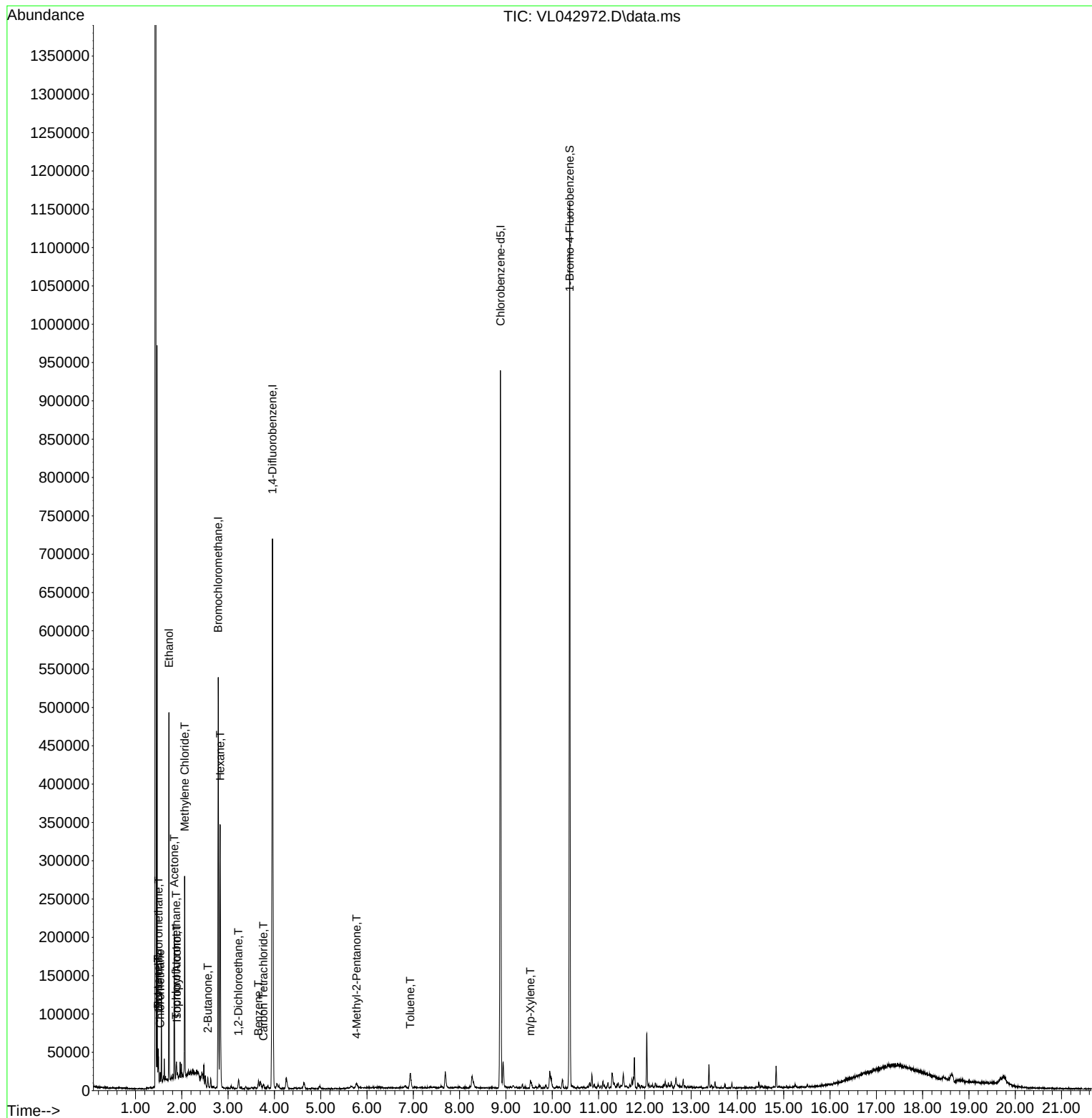
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042972.D
Acq On : 23 Sep 2025 00:00
Operator : SY/MD
Sample : Q3130-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

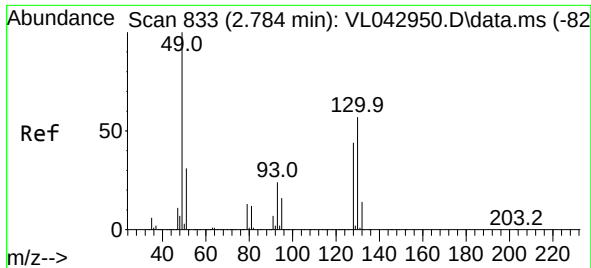
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1

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Quant Time: Sep 23 02:58:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration





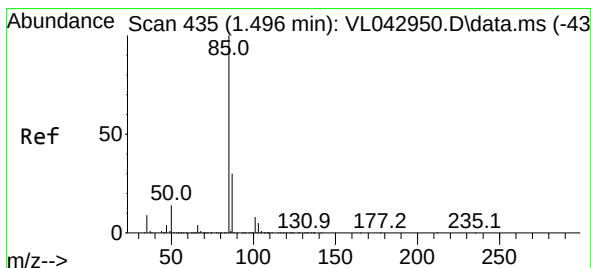
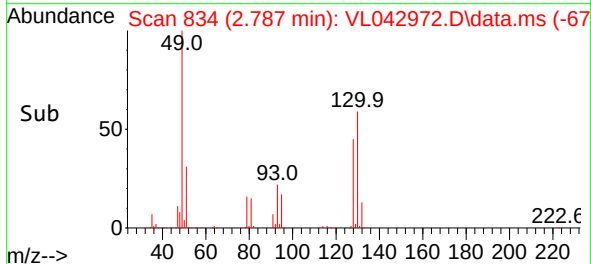
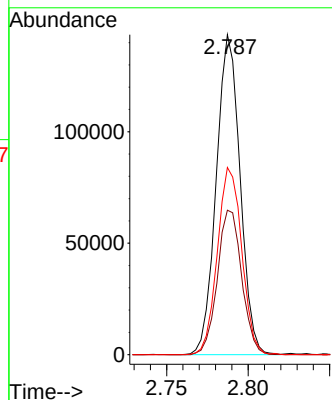
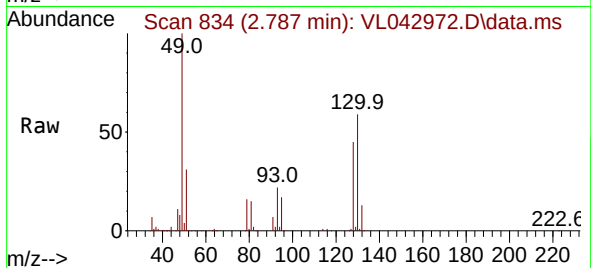
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

Instrument :
MSVOA_L
ClientSampleId :
131-1A-1

Tgt Ion: 49 Resp: 14595
Ion Ratio Lower Upper
49 100
128 46.0 22.9 68.8
130 59.8 29.1 87.3

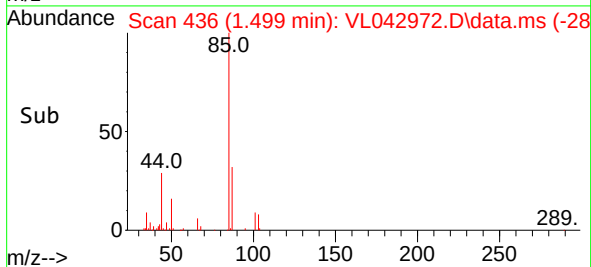
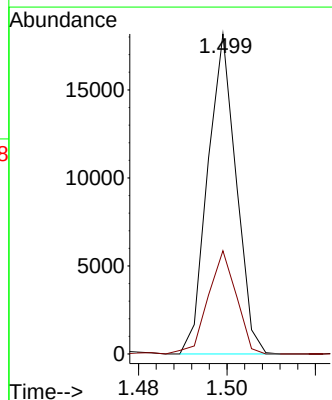
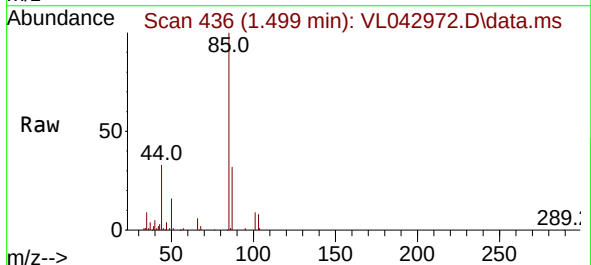
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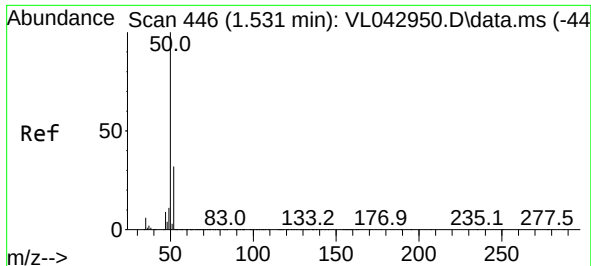
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#2
Dichlorodifluoromethane
Concen: 0.414 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

Tgt Ion: 85 Resp: 8120
Ion Ratio Lower Upper
85 100
87 32.2 24.3 36.5





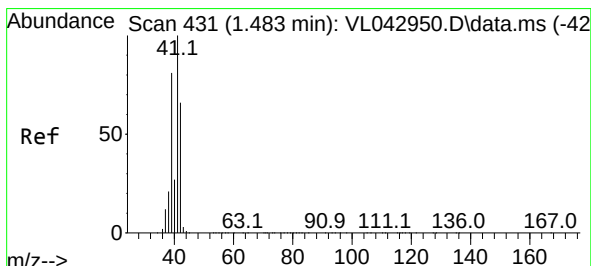
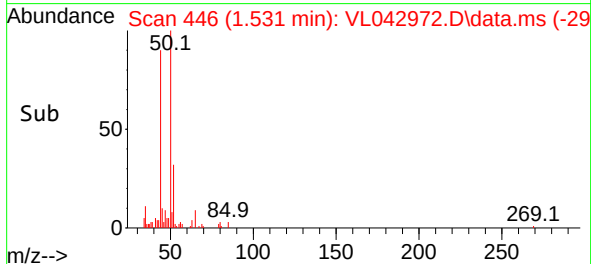
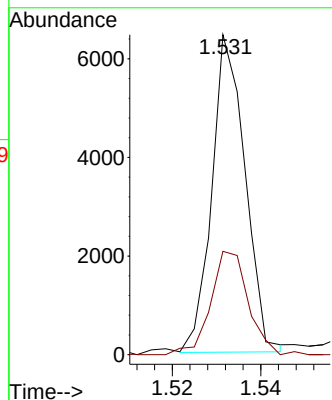
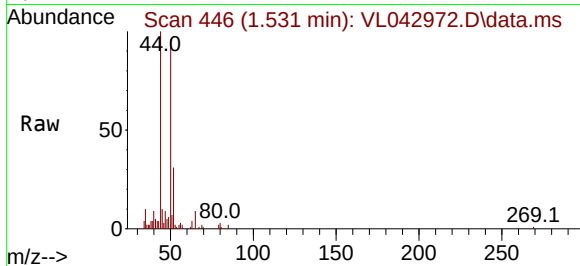
#4
Chloromethane
Concen: 0.378 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

Instrument :
MSVOA_L
ClientSampleId :
131-1A-1

Tgt Ion: 50 Resp: 3350
Ion Ratio Lower Upper
50 100
52 34.4 25.9 38.9

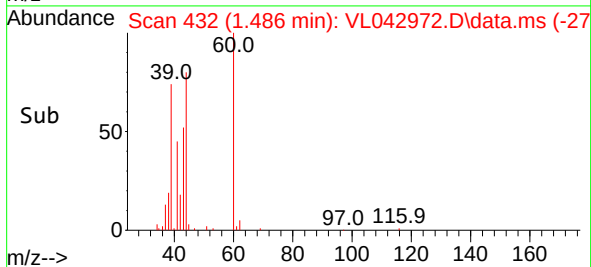
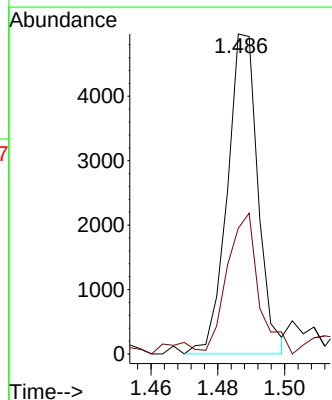
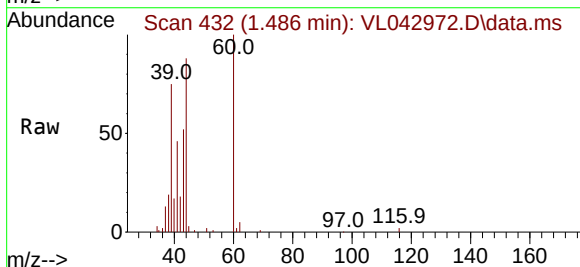
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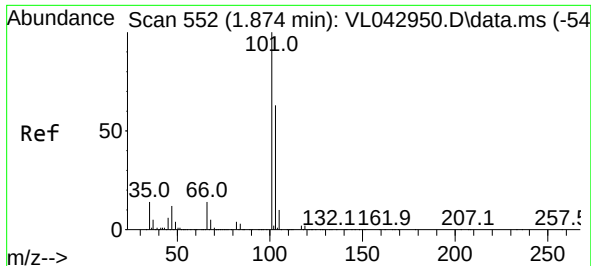
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#9
Propene
Concen: 0.299 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

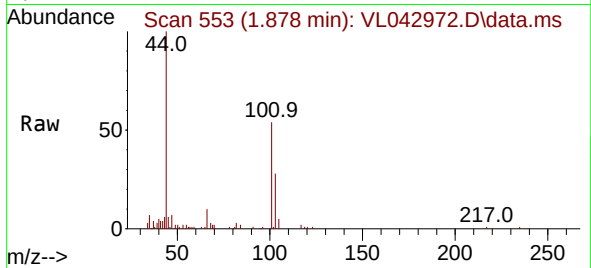
Tgt Ion: 41 Resp: 3184
Ion Ratio Lower Upper
41 100
42 59.7 57.4 86.2





#11
Trichlorofluoromethane
Concen: 0.243 ppbv
RT: 1.878 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

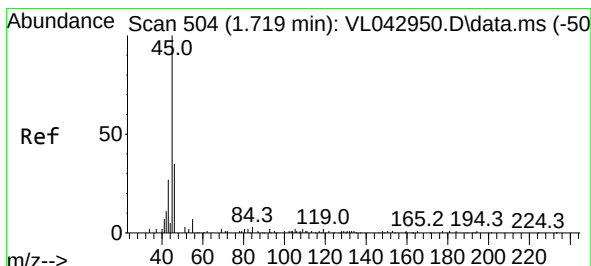
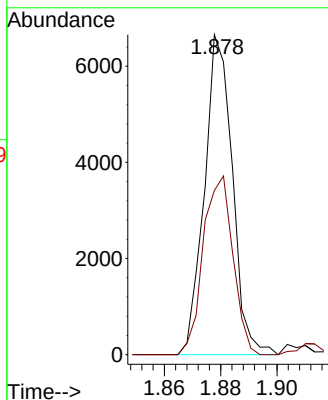
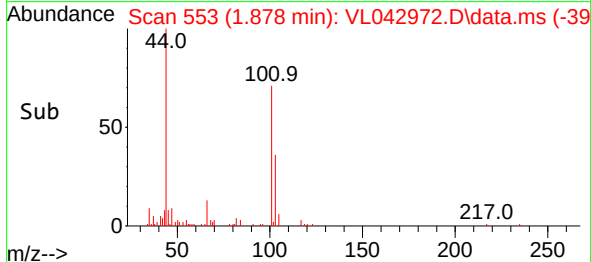
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1



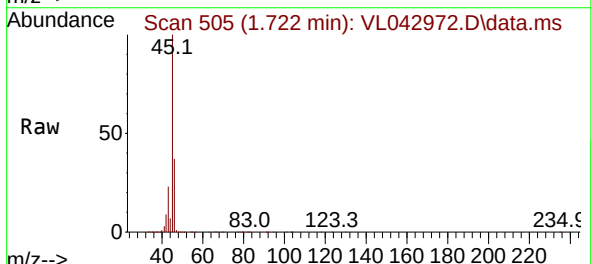
Tgt Ion: 101 Resp: 4590
Ion Ratio Lower Upper
101 100
103 51.3 50.1 75.1

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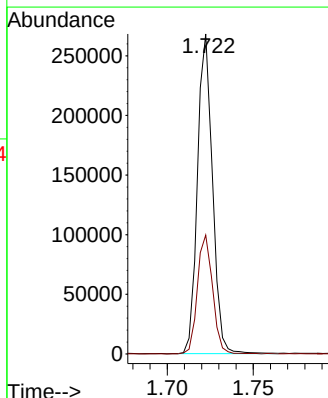
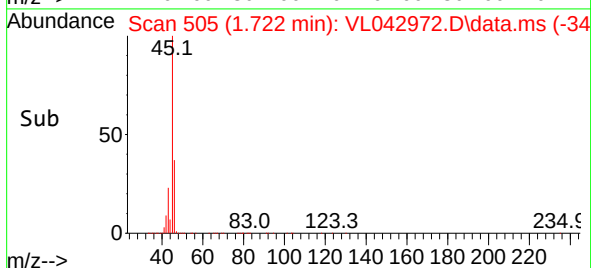
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

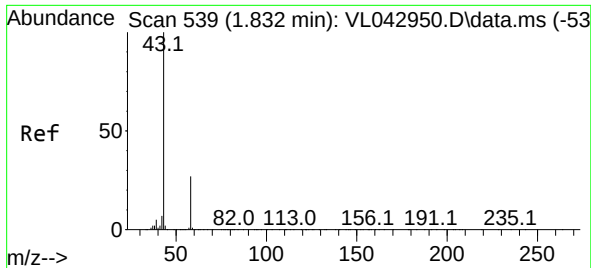


#13
Ethanol
Concen: 157.804 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00



Tgt Ion: 45 Resp: 162942
Ion Ratio Lower Upper
45 100
46 38.1 16.2 64.6





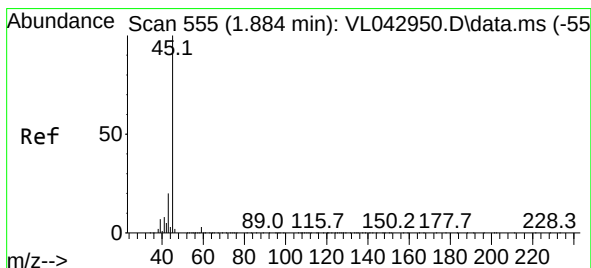
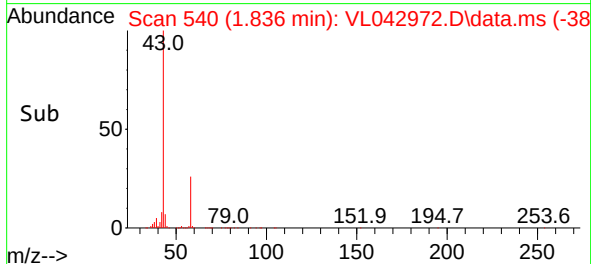
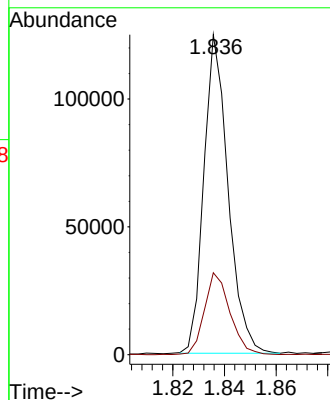
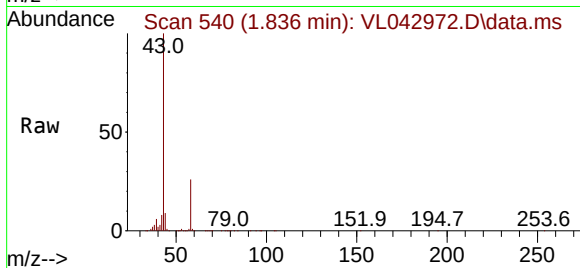
#15
Acetone
Concen: 4.284 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

Instrument :
MSVOA_L
ClientSampleId :
131-1A-1

Tgt Ion: 43 Resp: 8143
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5

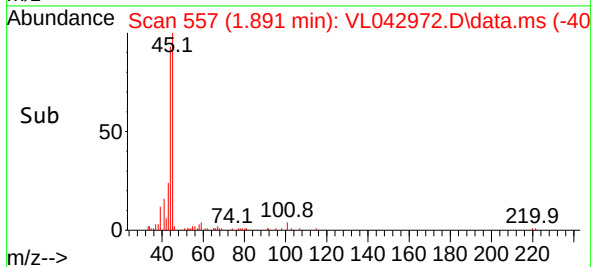
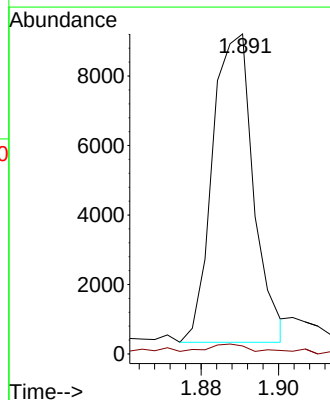
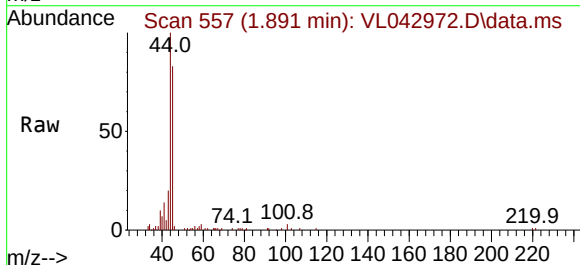
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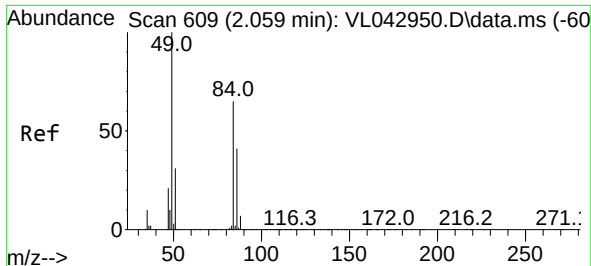
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#19
Isopropyl Alcohol
Concen: 0.570 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.007 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

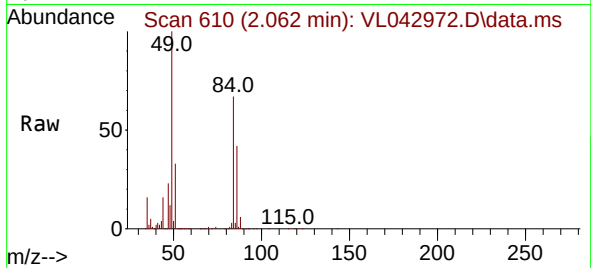
Tgt Ion: 45 Resp: 6519
Ion Ratio Lower Upper
45 100
58 341.3 31.0 46.6#





#20
Methylene Chloride
Concen: 6.423 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

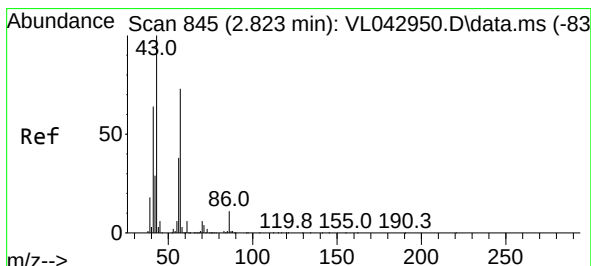
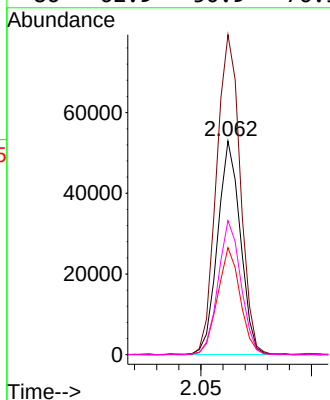
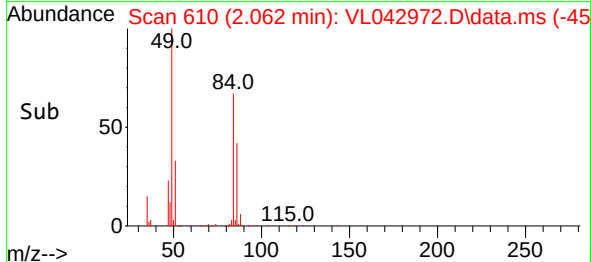
Instrument :
MSVOA_L
Client Sample Id :
131-1A-1



Tgt Ion: 84 Resp: 37760
Ion Ratio Lower Upper
84 100
49 150.0 124.1 186.1
51 49.8 39.8 59.8
86 62.9 50.9 76.3

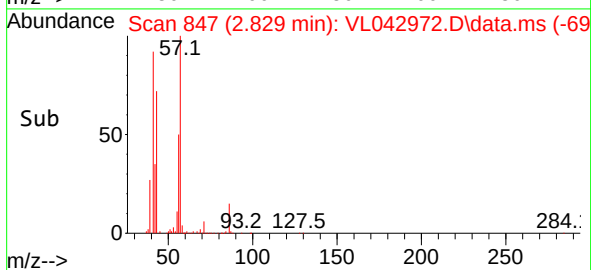
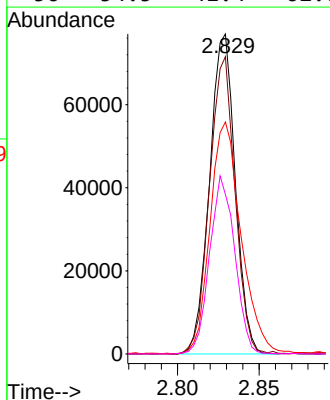
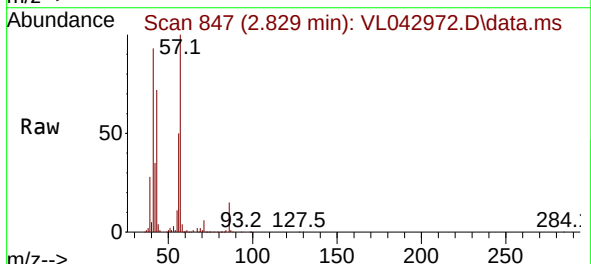
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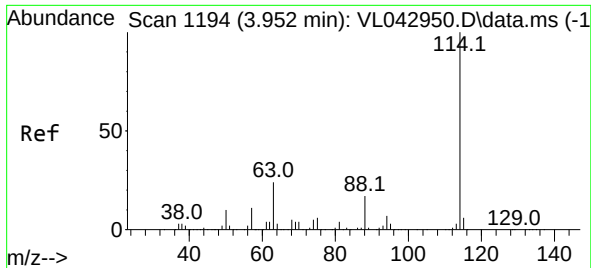
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#26
Hexane
Concen: 3.858 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.007 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

Tgt Ion: 57 Resp: 84491
Ion Ratio Lower Upper
57 100
41 92.5 71.7 107.5
43 87.5 180.8 271.2#
56 54.5 41.4 62.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.007 min

Lab File: VL042972.D

Acq: 23 Sep 2025 00:00

Instrument :

MSVOA_L

ClientSampleId :

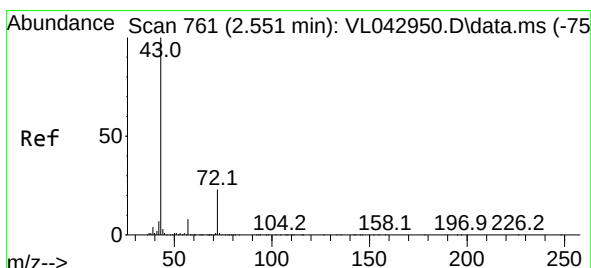
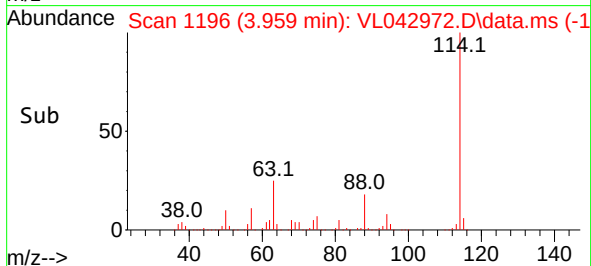
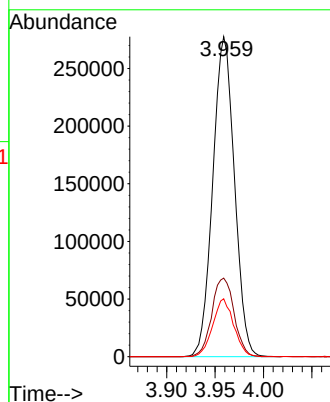
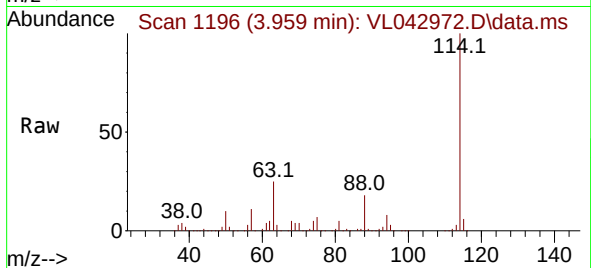
131-1A-1

Tgt Ion:114 Resp: 43184
 Ion Ratio Lower Upper
 114 100
 63 25.3 19.4 29.2
 88 17.6 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#34

2-Butanone

Concen: 0.258 ppbv

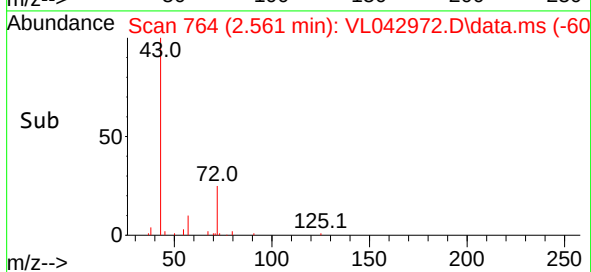
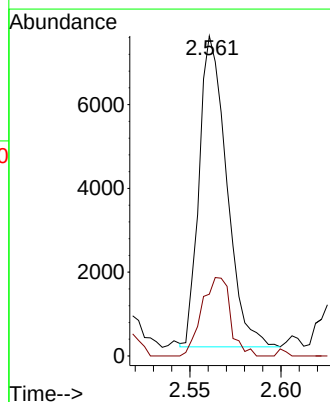
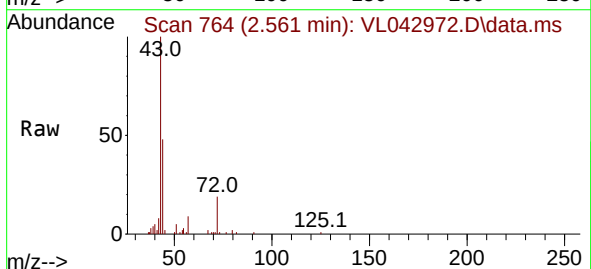
RT: 2.561 min Scan# 764

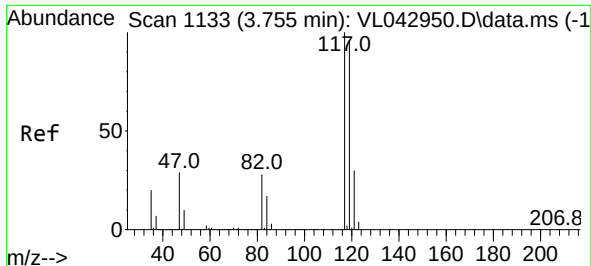
Delta R.T. 0.010 min

Lab File: VL042972.D

Acq: 23 Sep 2025 00:00

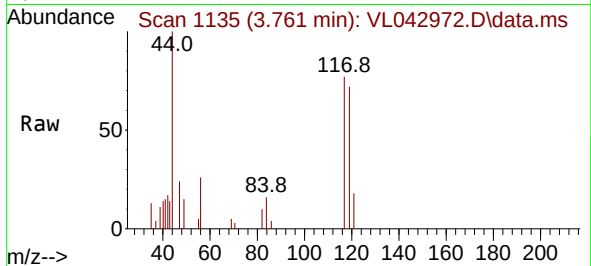
Tgt Ion: 43 Resp: 7799
 Ion Ratio Lower Upper
 43 100
 72 26.2 17.7 26.5





#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.007 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

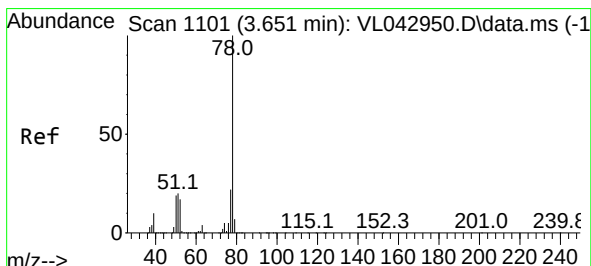
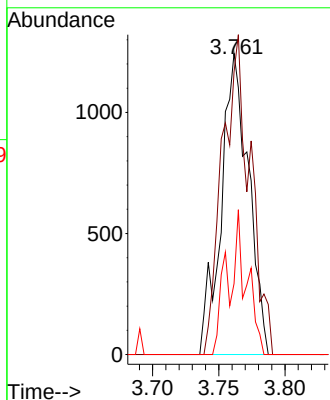
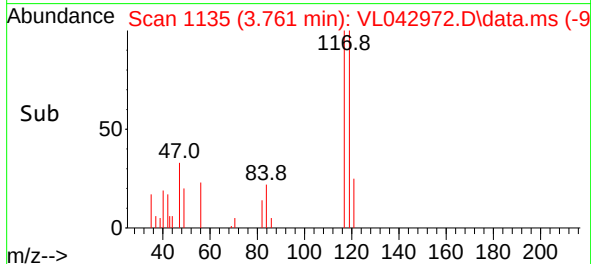
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1



Tgt Ion: 117 Resp: 1780
Ion Ratio Lower Upper
117 100
119 93.8 76.9 115.3
121 23.6 23.7 35.5

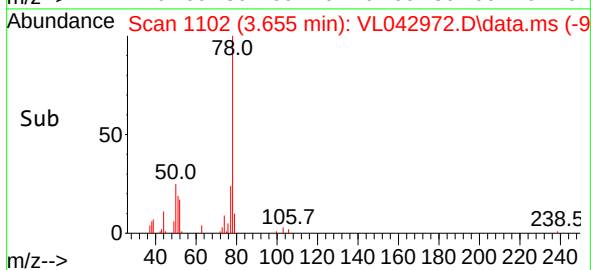
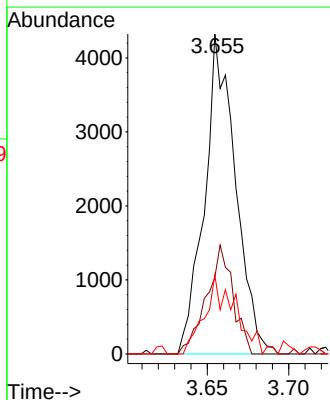
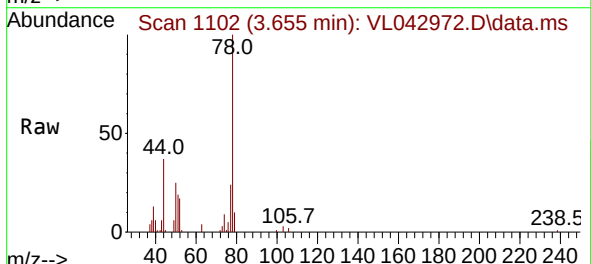
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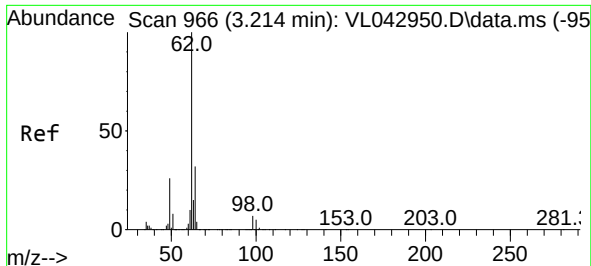
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#36
Benzene
Concen: 0.141 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

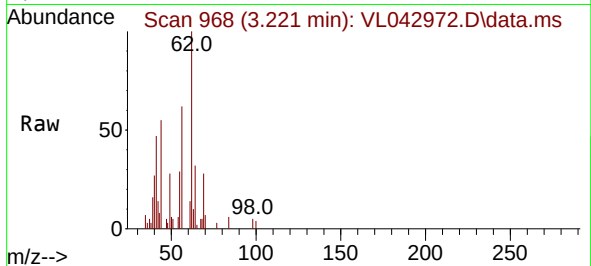
Tgt Ion: 78 Resp: 5706
Ion Ratio Lower Upper
78 100
77 24.0 17.8 26.6
50 24.6 15.0 22.4





#37
1,2-Dichloroethane
Concen: 0.131 ppbv
RT: 3.221 min Scan# 966
Delta R.T. 0.007 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

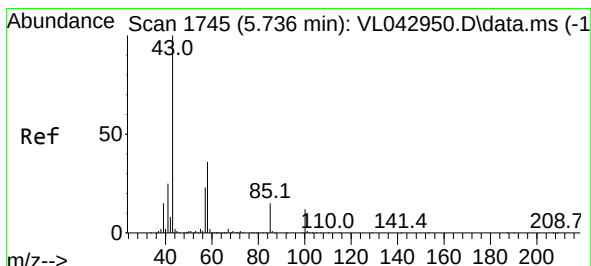
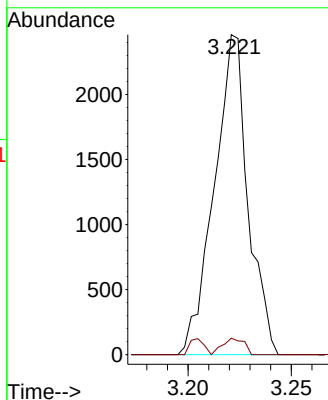
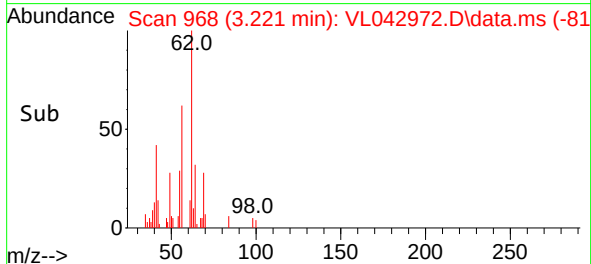
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1



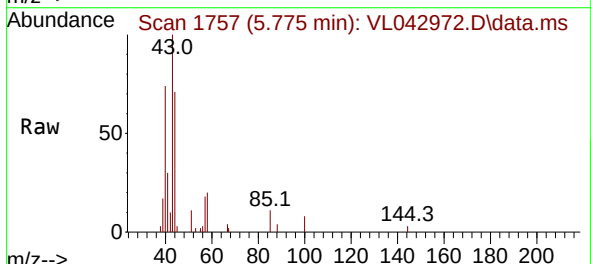
Tgt Ion: 62 Resp: 2790
Ion Ratio Lower Upper
62 100
98 5.4 5.9 8.9

Manual Integrations
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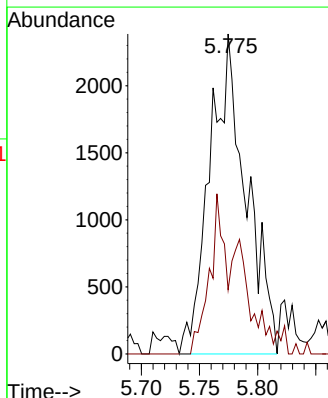
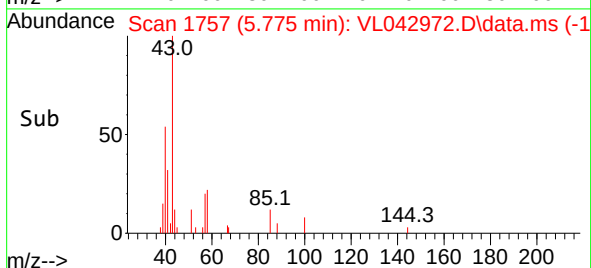
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

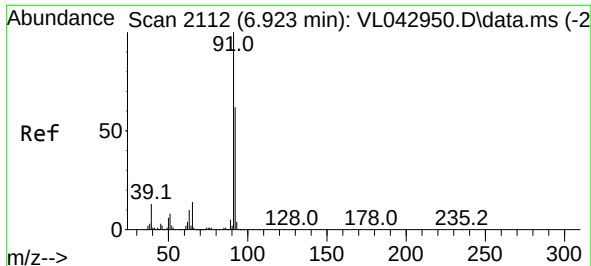


#50
4-Methyl-2-Pentanone
Concen: 0.128 ppbv m
RT: 5.775 min Scan# 1757
Delta R.T. 0.039 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00



Tgt Ion: 43 Resp: 5198
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6





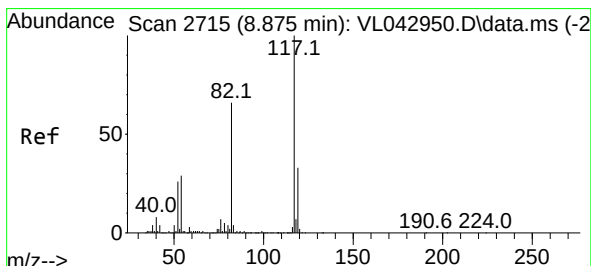
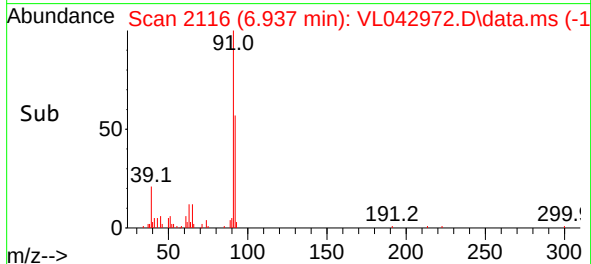
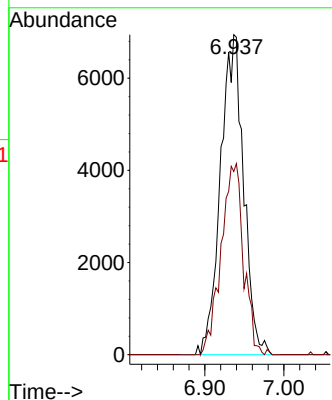
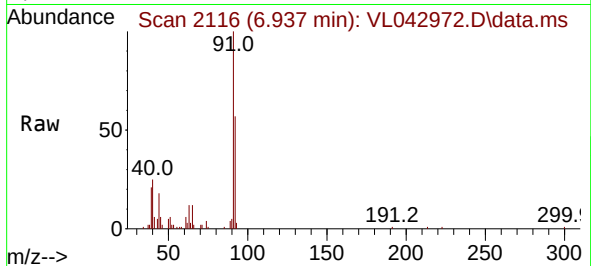
#53
Toluene
Concen: 0.293 ppbv m
RT: 6.937 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

Instrument :
MSVOA_L
ClientSampleId :
131-1A-1

Tgt Ion: 91 Resp: 1408
Ion Ratio Lower Upper
91 100
92 58.2 48.2 72.2

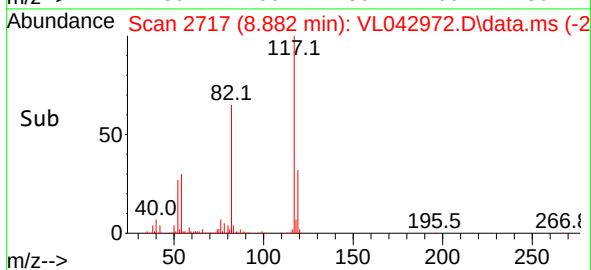
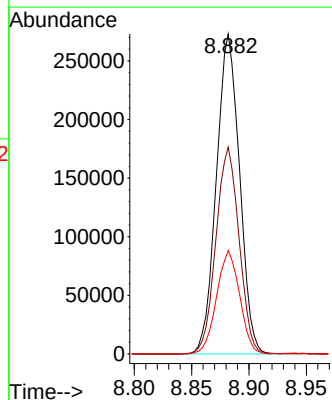
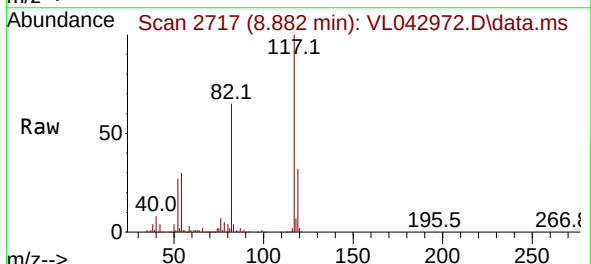
Manual Integrations
APPROVED

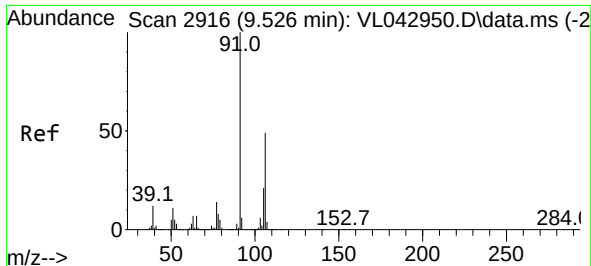
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.007 min
Lab File: VL042972.D
Acq: 23 Sep 2025 00:00

Tgt Ion:117 Resp: 383750
Ion Ratio Lower Upper
117 100
82 64.6 52.8 79.2
119 32.2 26.5 39.7





#59

m/p-Xylene

Concen: 0.130 ppbv m

RT: 9.529 min Scan# 2917

Delta R.T. 0.003 min

Lab File: VL042972.D

Acq: 23 Sep 2025 00:00

Instrument :

MSVOA_L

ClientSampleId :

131-1A-1

Tgt Ion: 91 Resp: 6460

Ion Ratio Lower Upper

91 100

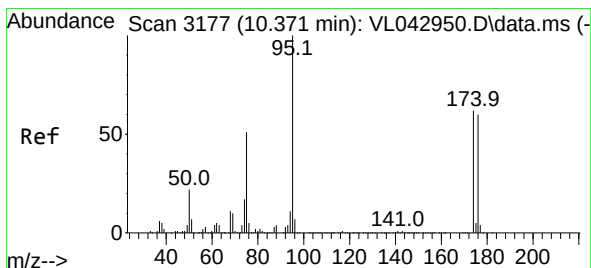
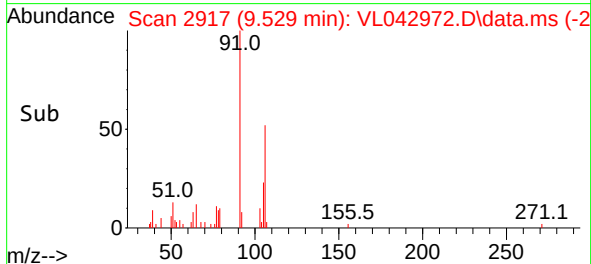
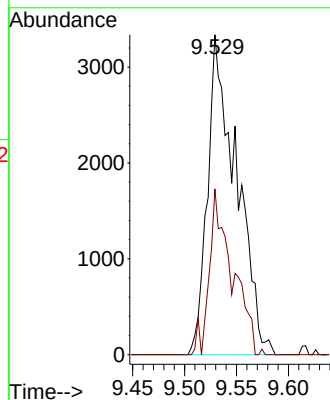
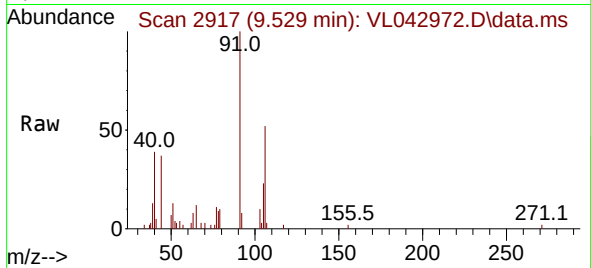
106 41.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.211 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.007 min

Lab File: VL042972.D

Acq: 23 Sep 2025 00:00

Tgt Ion: 95 Resp: 292508

Ion Ratio Lower Upper

95 100

174 62.6 51.4 77.2

175 4.7 4.0 6.0

