

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043227.D
 Acq On : 18 Nov 2025 23:09
 Operator : SY/MD
 Sample : Q3651-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:42:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	97499	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	252986	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	194710	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	143516	10.056	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%
Target Compounds						
9) Propene	1.486	41	76968	13.402	ppbv #	13
13) Ethanol	1.719	45	3837	1.900	ppbv #	38
15) Acetone	1.832	43	534562	39.463	ppbv	100
19) Isopropyl Alcohol	1.884	45	62095	8.112	ppbv #	1
20) Methylene Chloride	2.059	84	2076011	563.561	ppbv #	68
25) Ethyl Acetate	2.829	43	1059250	36.257	ppbv #	92
34) 2-Butanone	2.561	43	3618m	0.203	ppbv	
53) Toluene	6.924	91	373472	13.018	ppbv	99
59) m/p-Xylene	9.529	91	8382m	0.279	ppbv	

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

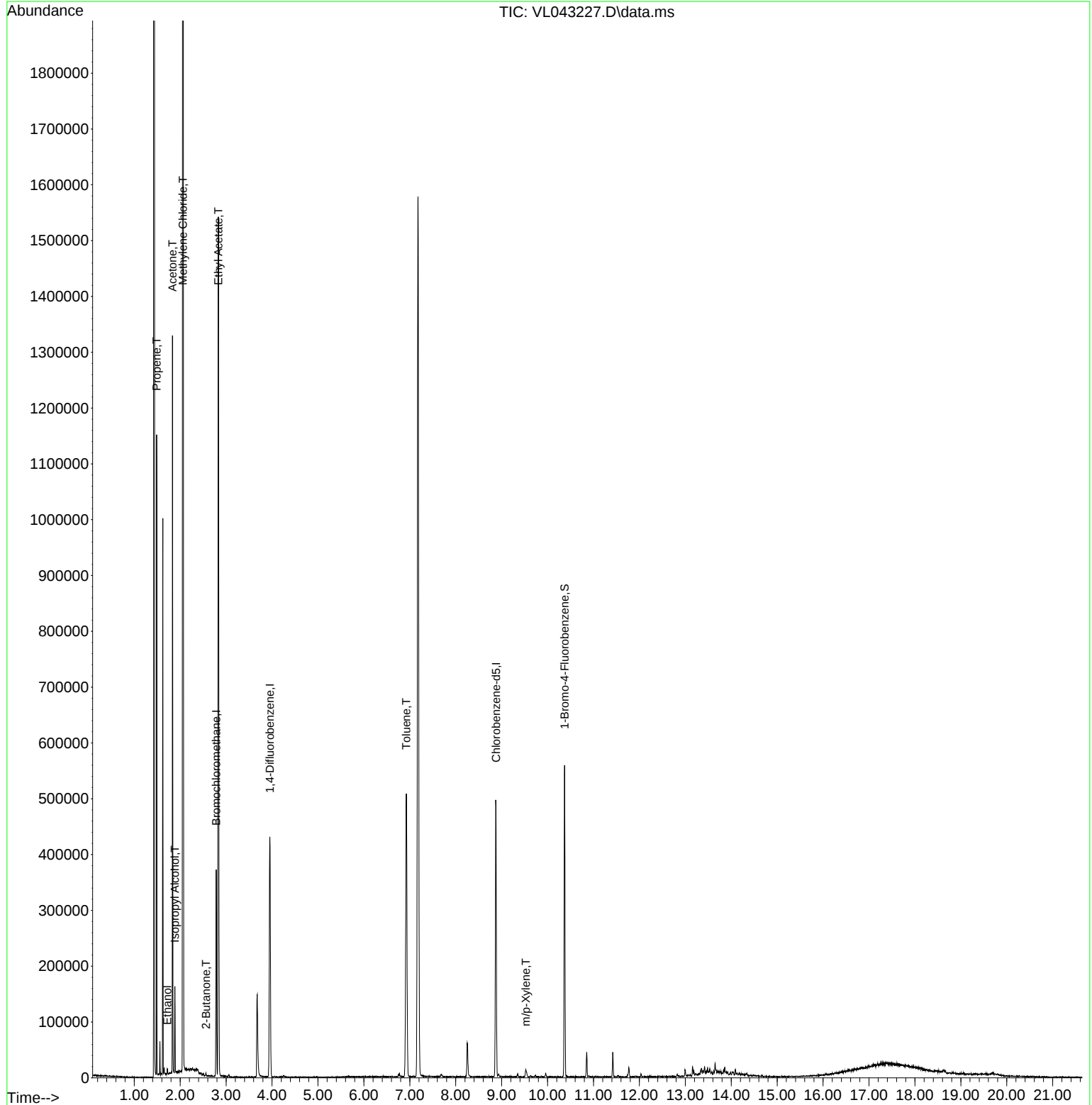
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Data File : VL043227.D
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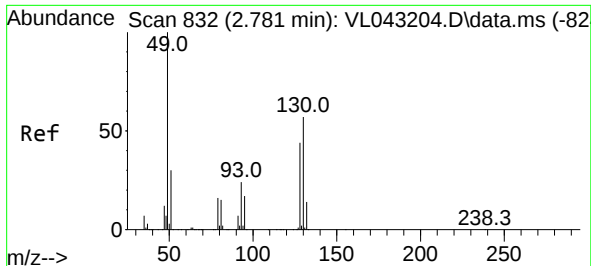
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QLast Update : Wed Nov 19 01:11:25 2025
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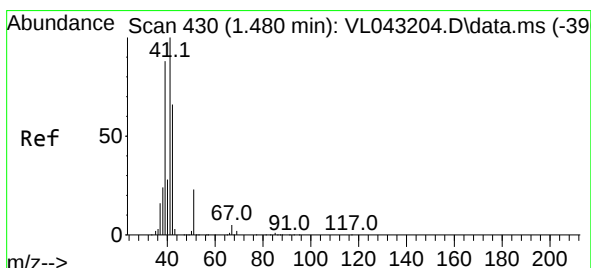
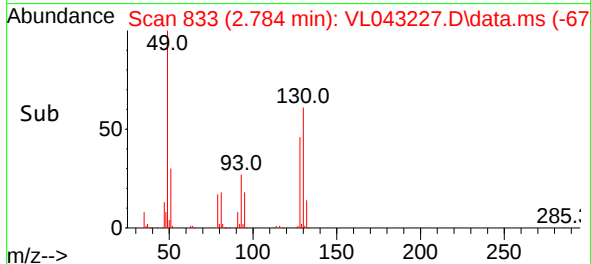
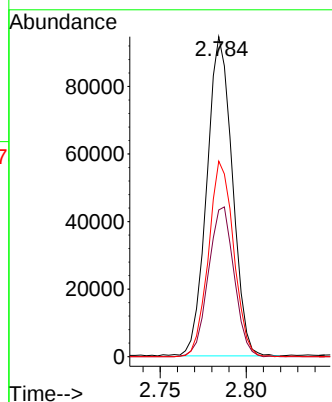
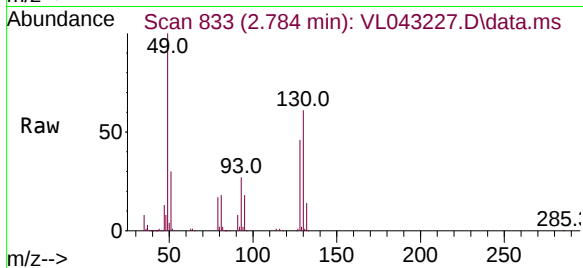
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 832
Delta R.T. 0.003 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 97499
Ion Ratio Lower Upper
49 100
128 47.1 23.0 69.0
130 60.4 29.9 89.7

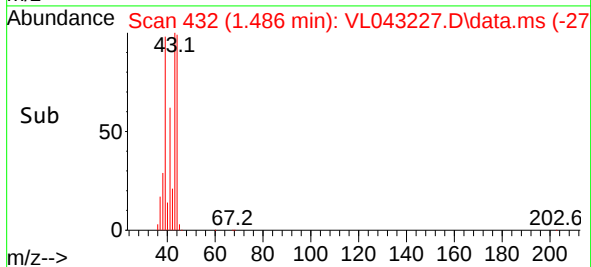
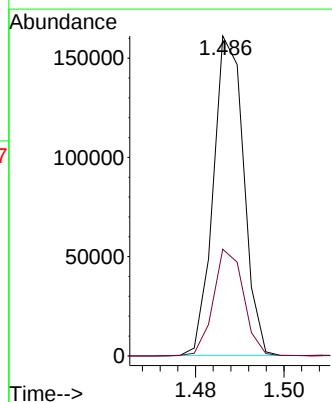
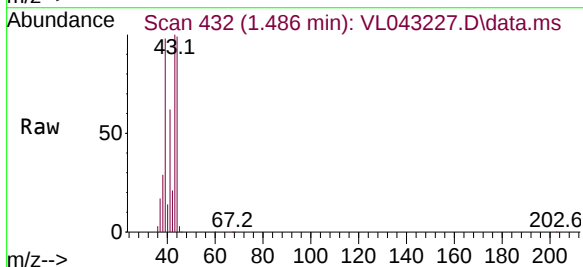
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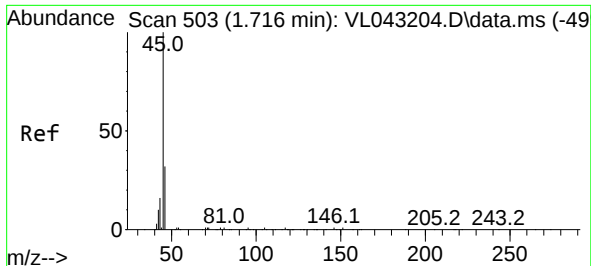
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#9
Propene
Concen: 13.402 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.007 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

Tgt Ion: 41 Resp: 76968
Ion Ratio Lower Upper
41 100
42 33.4 3.7 5.5#





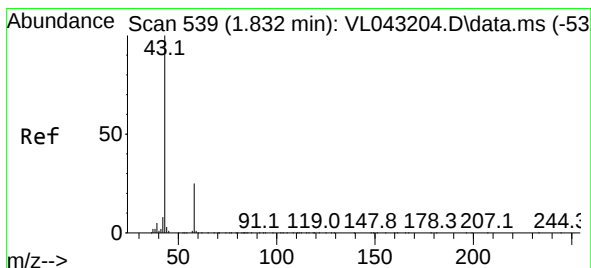
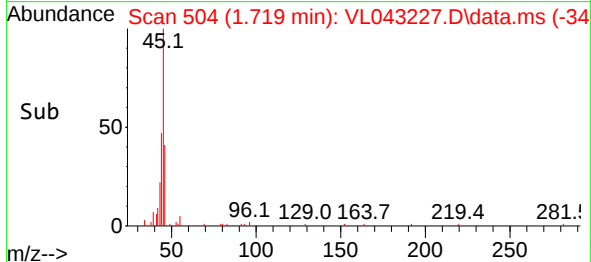
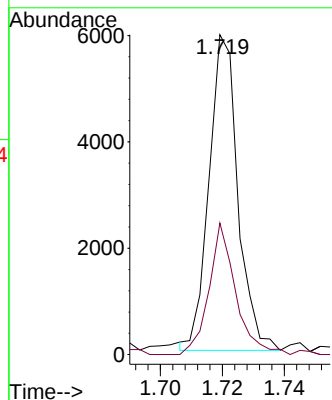
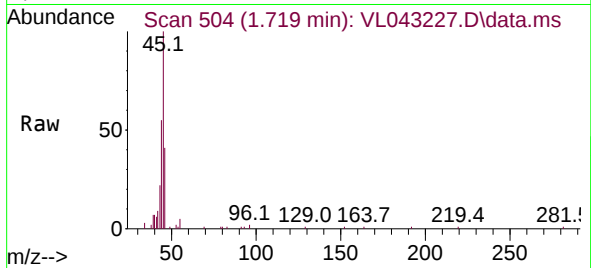
#13
Ethanol
Concen: 1.900 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 3832
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

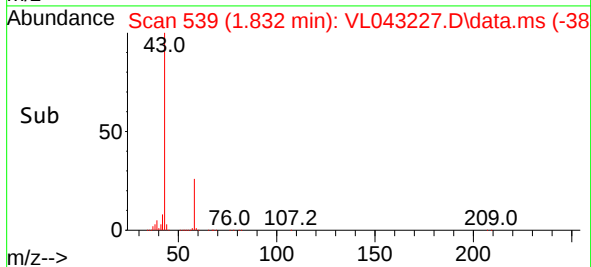
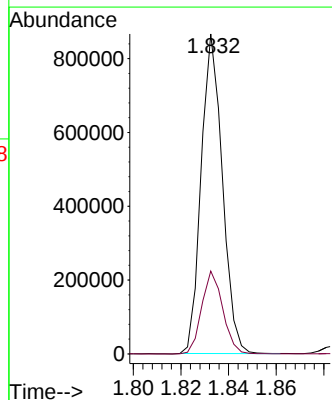
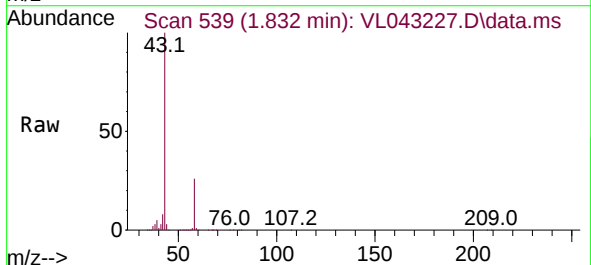
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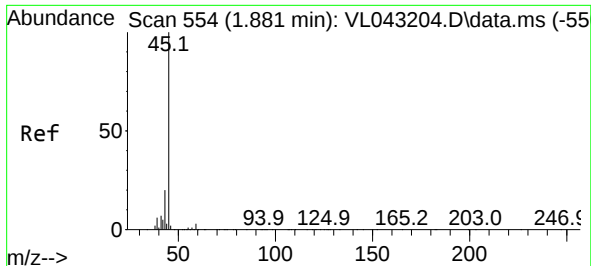
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#15
Acetone
Concen: 39.463 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

Tgt Ion: 43 Resp: 534562
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1





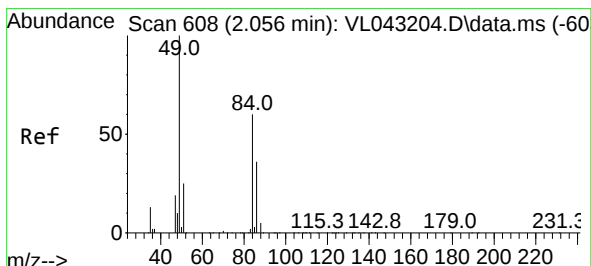
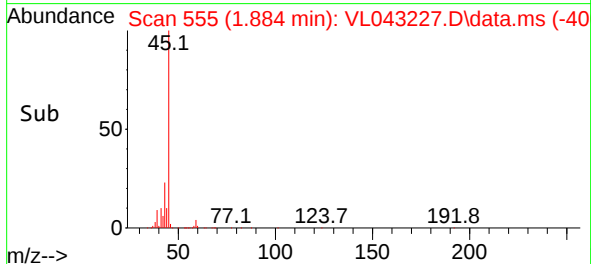
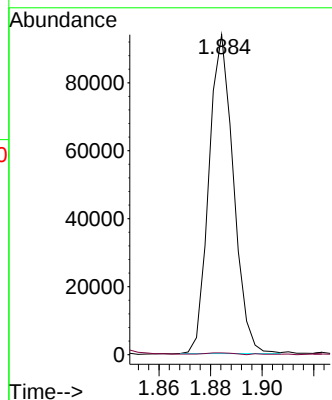
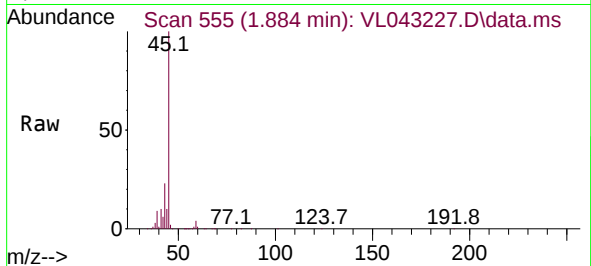
#19
Isopropyl Alcohol
Concen: 8.112 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 62095
Ion Ratio Lower Upper
45 100
58 221.7 31.3 46.9

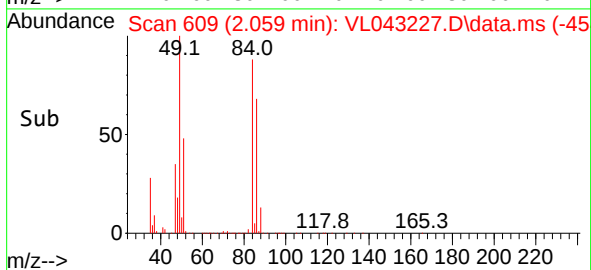
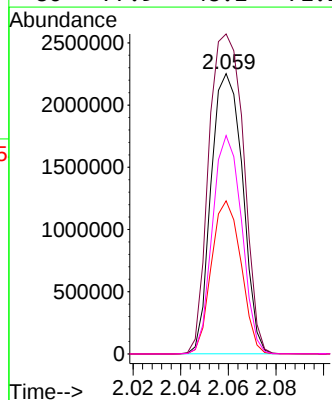
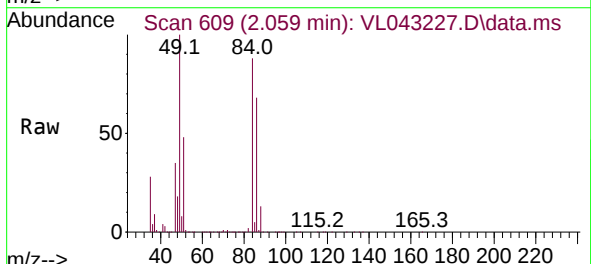
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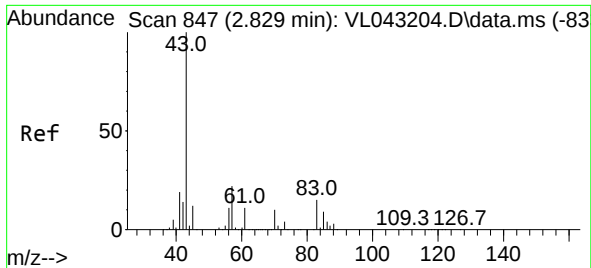
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#20
Methylene Chloride
Concen: 563.561 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

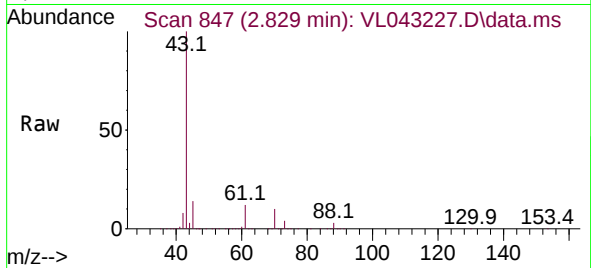
Tgt Ion: 84 Resp: 2076011
Ion Ratio Lower Upper
84 100
49 114.2 132.9 199.3#
51 54.6 34.8 52.2#
86 77.9 48.2 72.2#





#25
Ethyl Acetate
Concen: 36.257 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

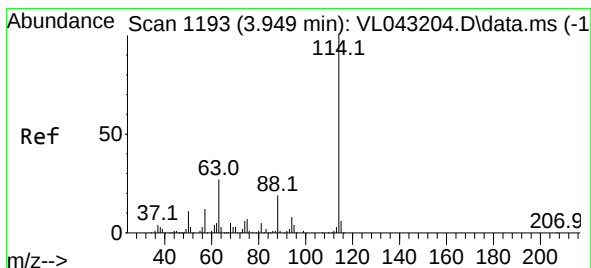
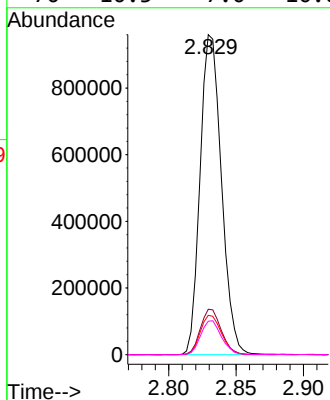
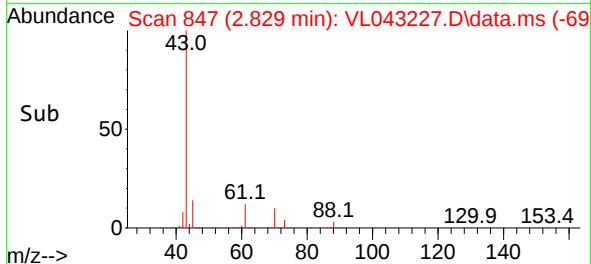
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



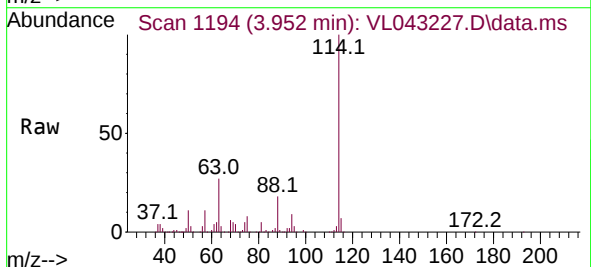
Tgt Ion: 43 Resp: 1059250
Ion Ratio Lower Upper
43 100
45 13.9 8.1 12.1
61 12.2 7.0 10.4
70 10.3 7.0 10.6

Manual Integrations
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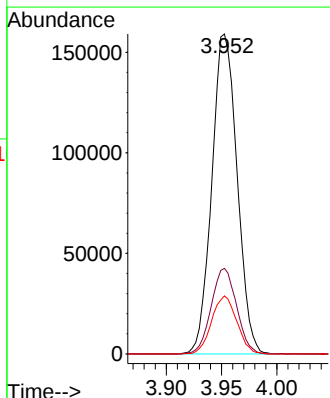
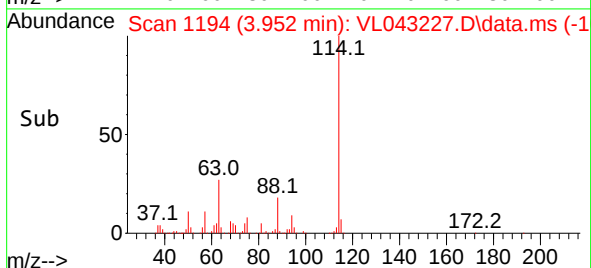
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Supervised By :Mahesh Dadoda 11/19/2025

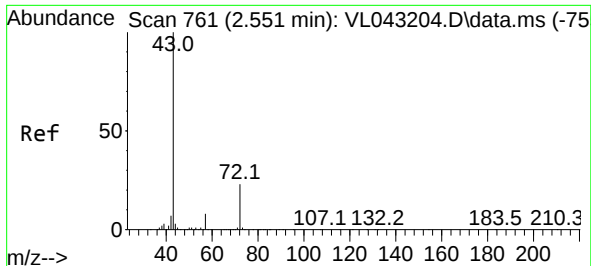


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09



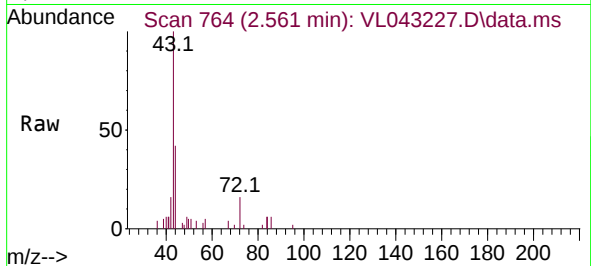
Tgt Ion:114 Resp: 252986
Ion Ratio Lower Upper
114 100
63 26.8 21.0 31.6
88 18.0 14.9 22.3





#34
2-Butanone
Concen: 0.203 ppbv m
RT: 2.561 min Scan# 761
Delta R.T. 0.010 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

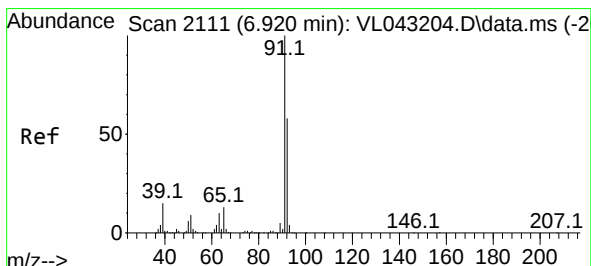
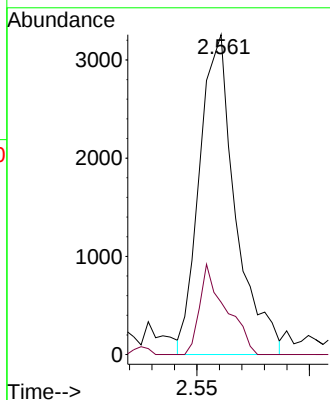
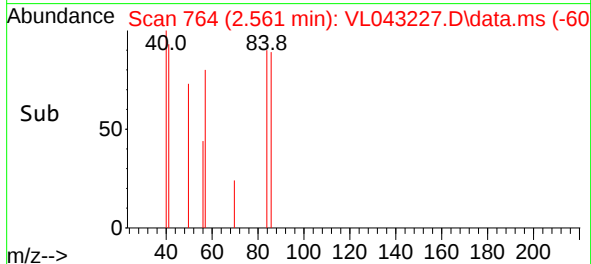
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 43 Resp: 3618
Ion Ratio Lower Upper
43 100
72 0.0 18.1 27.1

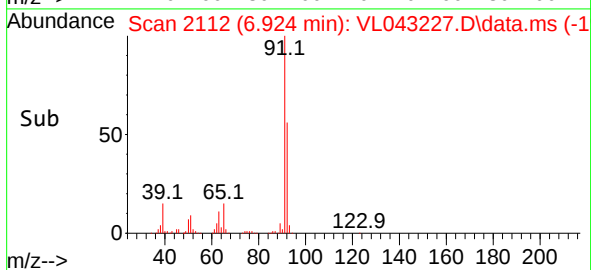
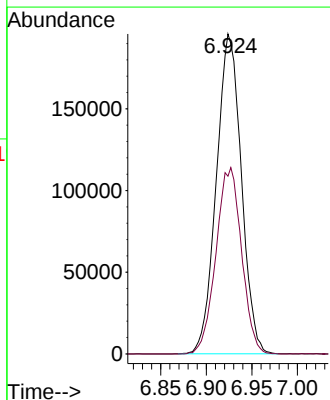
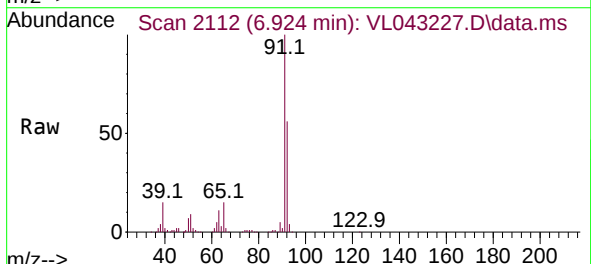
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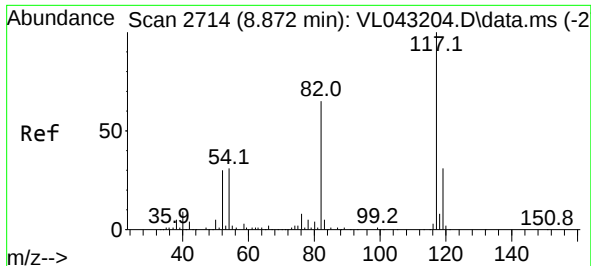
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#53
Toluene
Concen: 13.018 ppbv
RT: 6.924 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL043227.D
Acq: 18 Nov 2025 23:09

Tgt Ion: 91 Resp: 373472
Ion Ratio Lower Upper
91 100
92 59.6 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. 0.003 min

Lab File: VL043227.D

Acq: 18 Nov 2025 23:09

Instrument :

MSVOA_L

ClientSampleId :

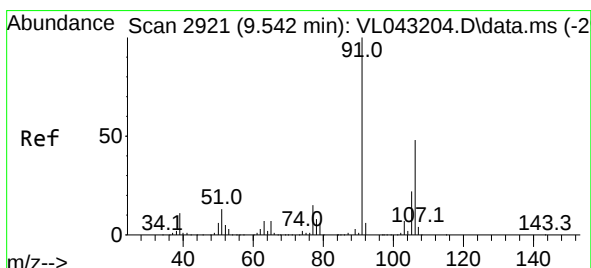
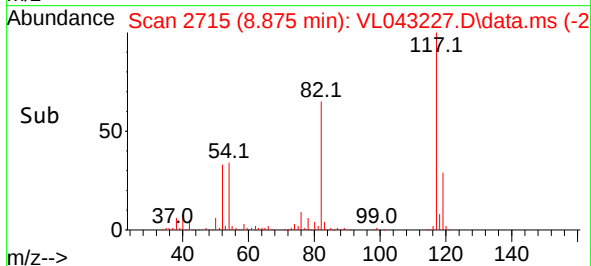
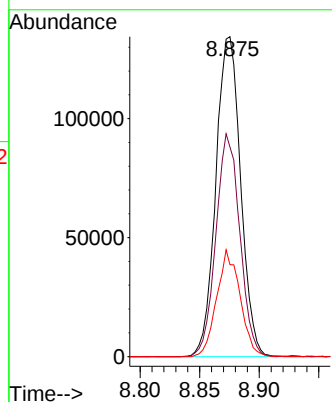
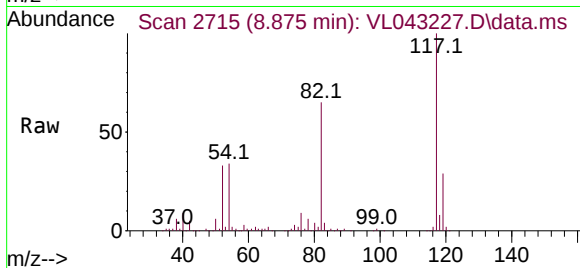
IA1DL

Tgt Ion:117 Resp: 194710
 Ion Ratio Lower Upper
 117 100
 82 67.3 56.1 84.1
 119 31.4 25.0 37.6

Manual Integrations

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#59

m/p-Xylene

Concen: 0.279 ppbv m

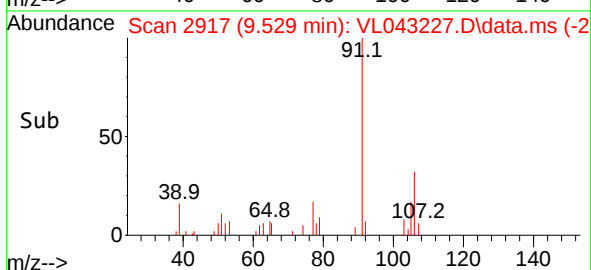
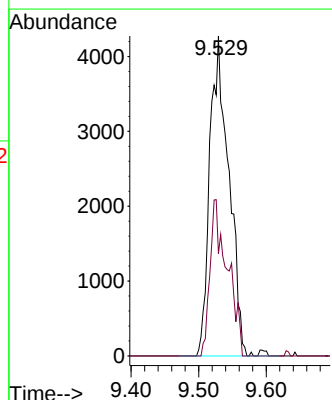
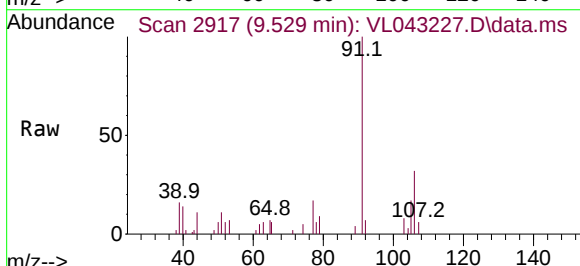
RT: 9.529 min Scan# 2917

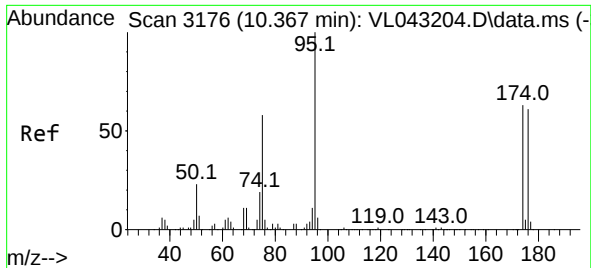
Delta R.T. -0.013 min

Lab File: VL043227.D

Acq: 18 Nov 2025 23:09

Tgt Ion: 91 Resp: 8382
 Ion Ratio Lower Upper
 91 100
 106 44.6 36.1 54.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.056 ppbv
 RT: 10.368 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: VL043227.D
 Acq: 18 Nov 2025 23:09

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tgt Ion: 95 Resp: 143516
 Ion Ratio Lower Upper
 95 100
 174 58.3 50.2 75.2
 175 4.2 4.1 6.1

Manual Integrations
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