

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042975.D
 Acq On : 23 Sep 2025 01:46
 Operator : SY/MD
 Sample : Q3131-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 141-1A-1DL

Manual Integrations
 APPROVED

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

Quant Time: Sep 24 01:13:30 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	2.790	49	142766	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	419987	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	364182	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	273620	10.065	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
2) Dichlorodifluoromethane	1.499	85	7296	0.380	ppbv	98
9) Propene	1.489	41	5259m	0.505	ppbv	
13) Ethanol	1.726	45	13214	13.083	ppbv	100
15) Acetone	1.839	43	34284m	1.844	ppbv	
19) Isopropyl Alcohol	1.887	45	3202m	0.286	ppbv	
26) Hexane	2.829	57	12846	0.600	ppbv #	45
34) 2-Butanone	2.564	43	4708	0.160	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	7639	0.112	ppbv #	77
53) Toluene	6.933	91	7971m	0.171	ppbv	
59) m/p-Xylene	9.532	91	6404m	0.136	ppbv	

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

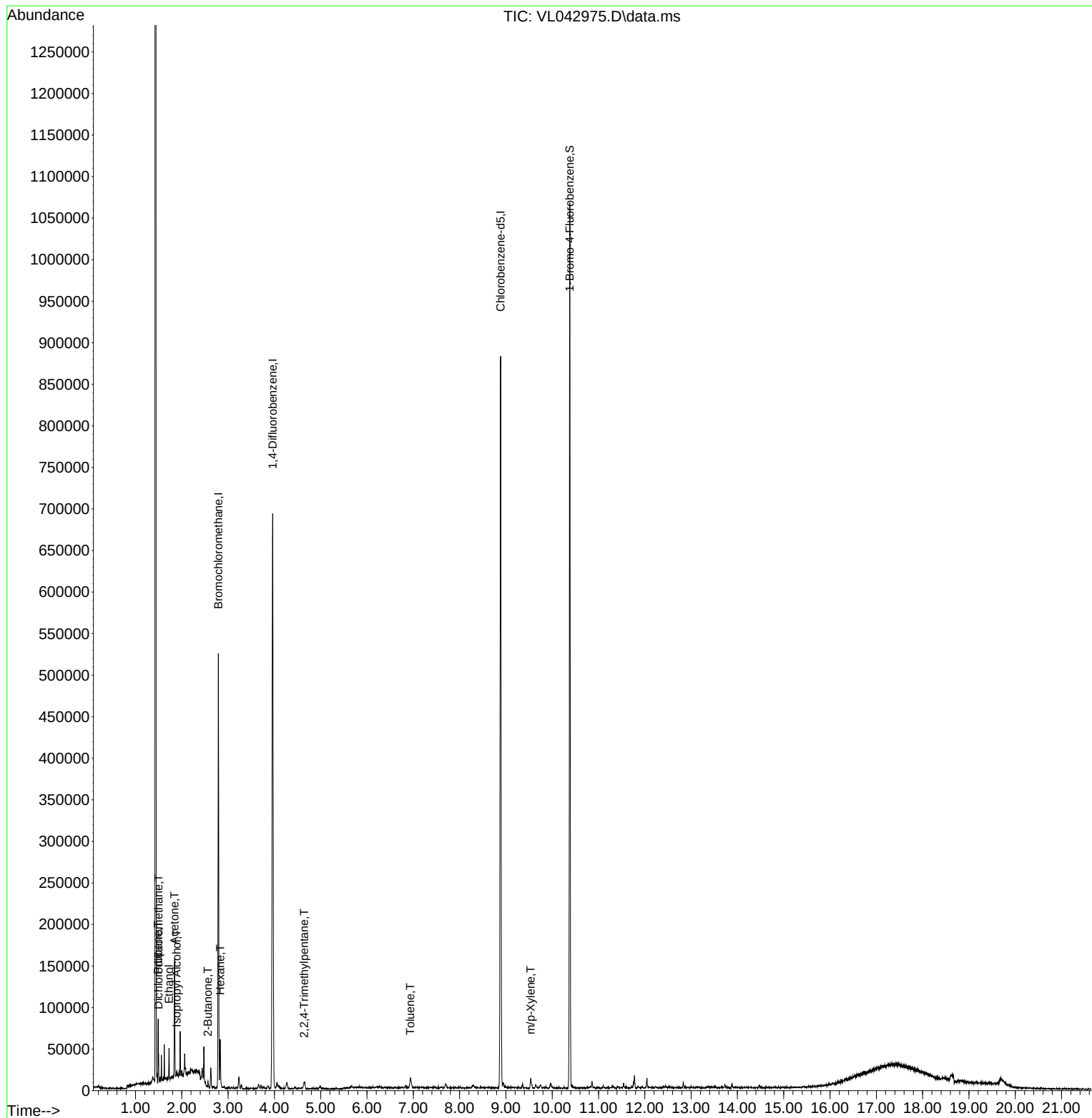
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042975.D
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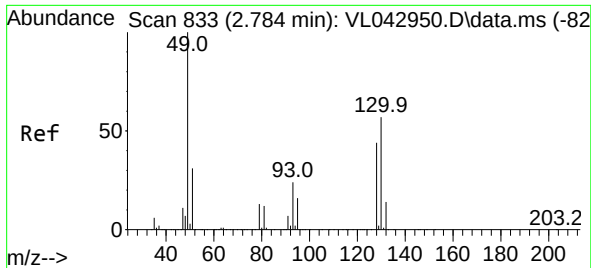
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1DL

Quant Time: Sep 24 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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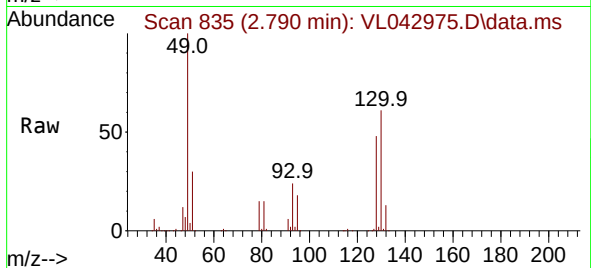
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.006 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

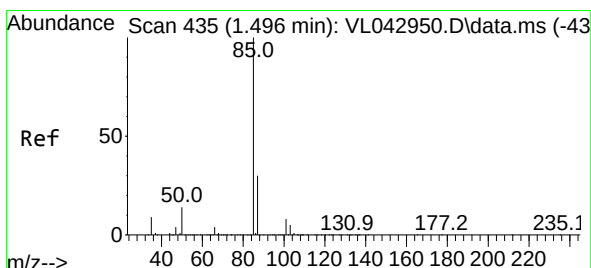
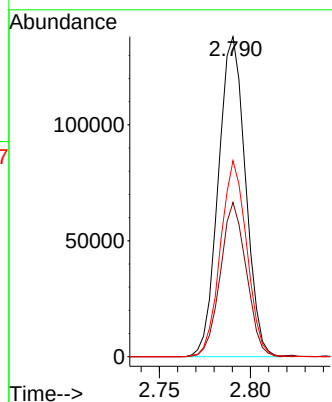
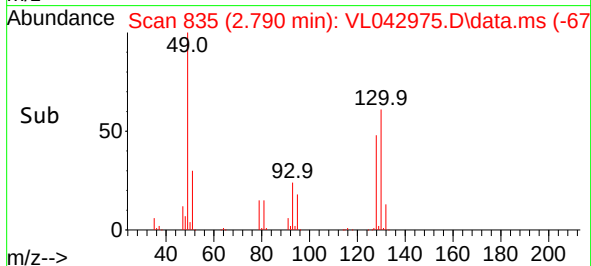
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1DL



Tgt Ion: 49 Resp: 142760
Ion Ratio Lower Upper
49 100
128 46.2 22.9 68.8
130 59.5 29.1 87.3

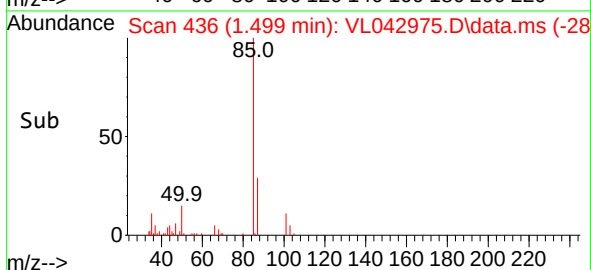
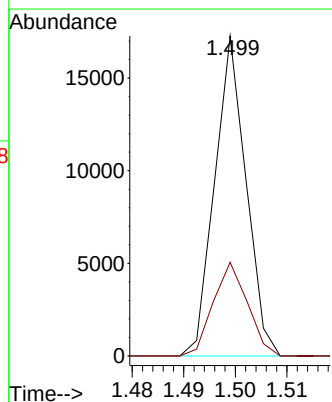
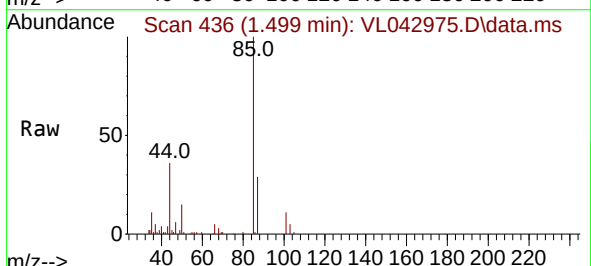
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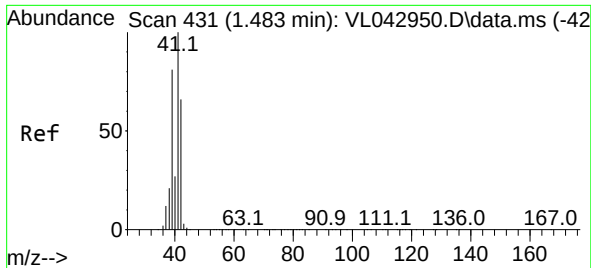
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#2
Dichlorodifluoromethane
Concen: 0.380 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

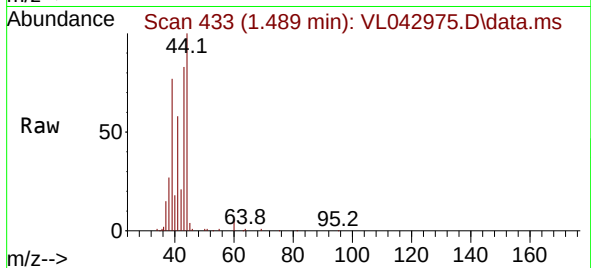
Tgt Ion: 85 Resp: 7296
Ion Ratio Lower Upper
85 100
87 29.2 24.3 36.5





#9
Propene
Concen: 0.505 ppbv m
RT: 1.489 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

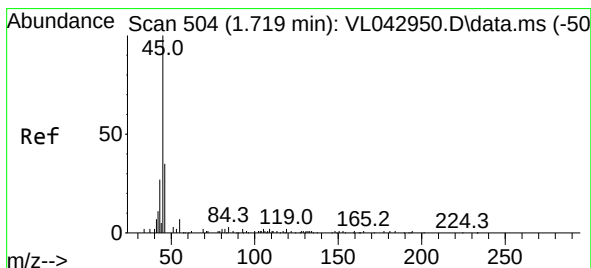
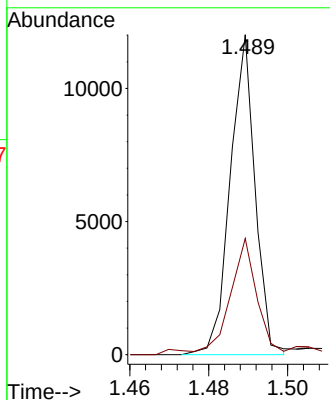
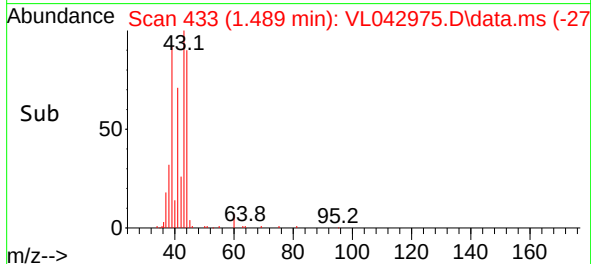
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1DL



Tgt Ion: 41 Resp: 525
Ion Ratio Lower Upper
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42 42.7 57.4 86.2

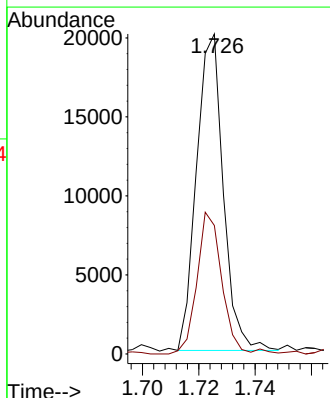
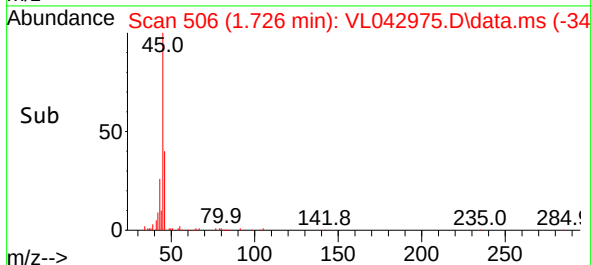
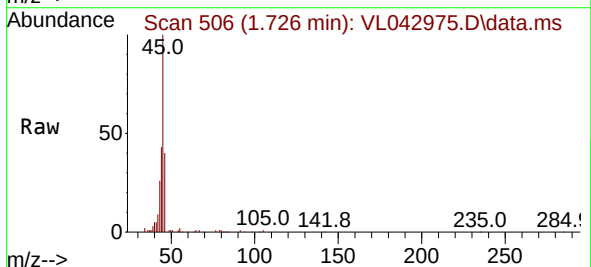
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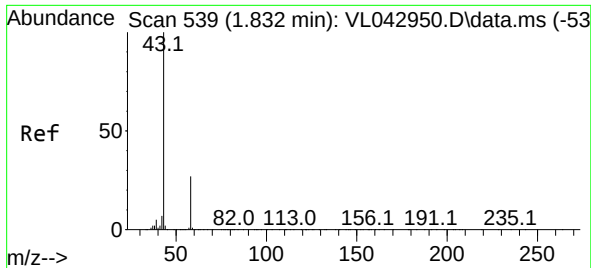
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Supervised By :Semsettin Yesilyurt 09/24/2025



#13
Ethanol
Concen: 13.083 ppbv
RT: 1.726 min Scan# 506
Delta R.T. 0.007 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

Tgt Ion: 45 Resp: 13214
Ion Ratio Lower Upper
45 100
46 40.6 16.2 64.6





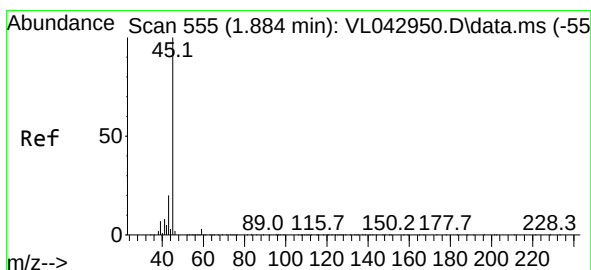
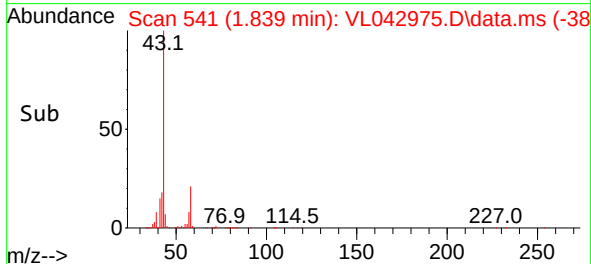
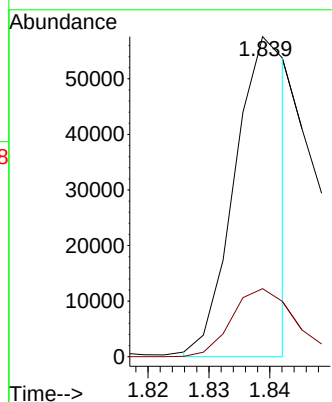
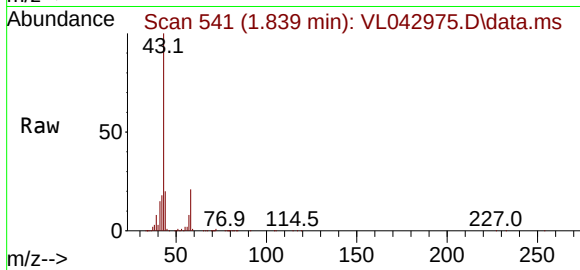
#15
Acetone
Concen: 1.844 ppbv m
RT: 1.839 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

Instrument :
MSVOA_L
ClientSampleId :
141-1A-1DL

Tgt Ion: 43 Resp: 34284
Ion Ratio Lower Upper
43 100
58 26.7 22.3 33.5

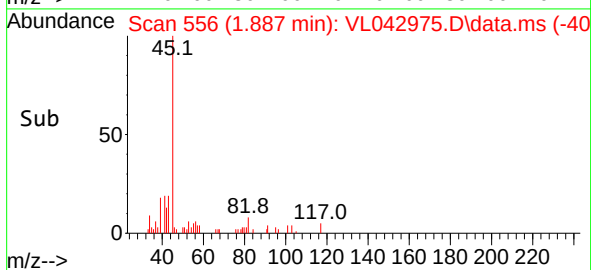
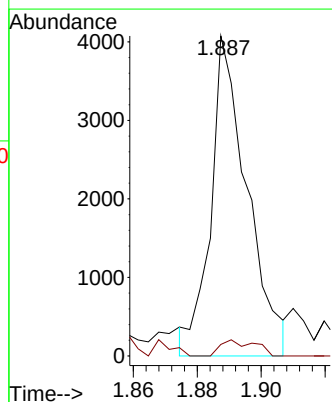
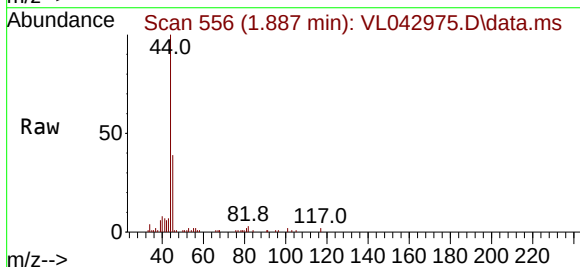
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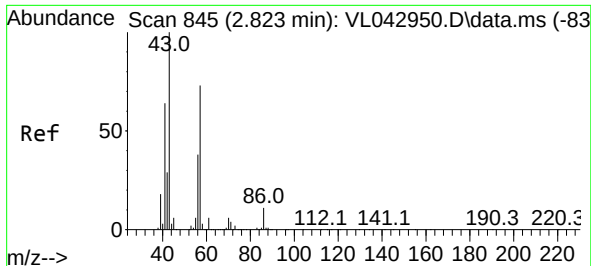
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#19
Isopropyl Alcohol
Concen: 0.286 ppbv m
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

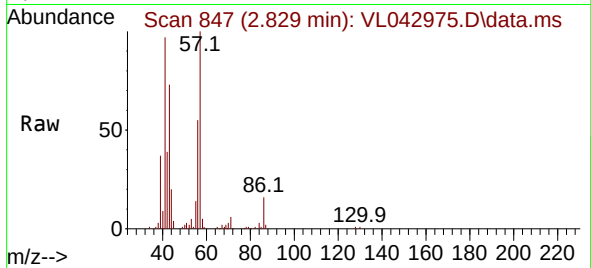
Tgt Ion: 45 Resp: 3202
Ion Ratio Lower Upper
45 100
58 38.2 31.0 46.6





#26
Hexane
Concen: 0.600 ppbv
RT: 2.829 min Scan# 845
Delta R.T. 0.007 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

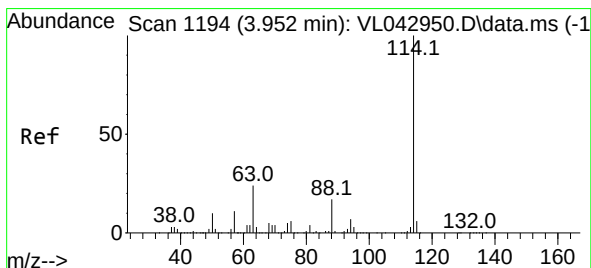
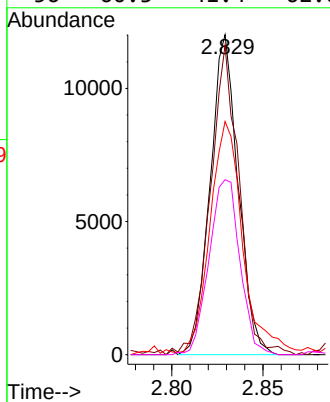
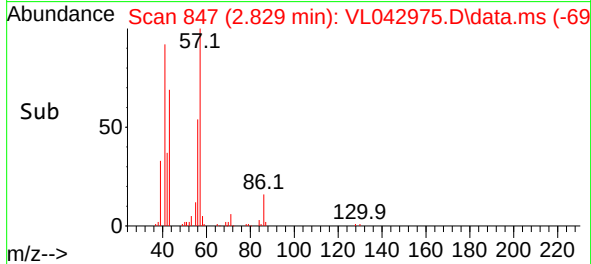
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1DL



Tgt Ion: 57 Resp: 12840
Ion Ratio Lower Upper
57 100
41 97.8 71.7 107.5
43 88.9 180.8 271.2
56 60.3 41.4 62.0

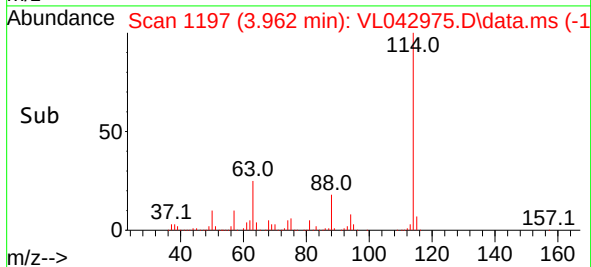
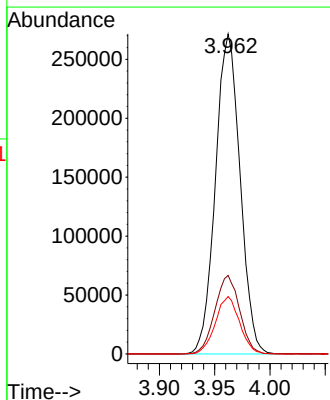
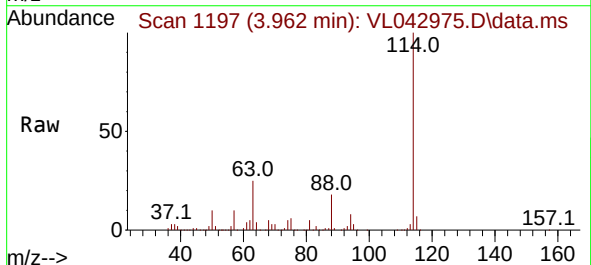
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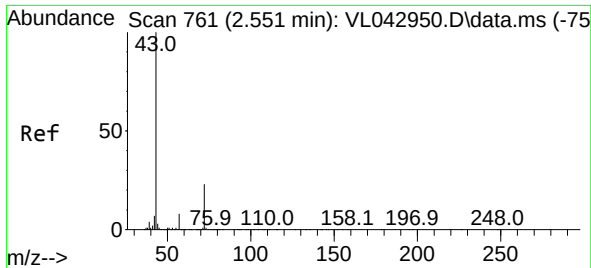
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

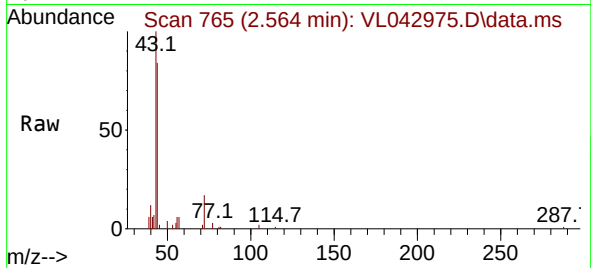
Tgt Ion:114 Resp: 419987
Ion Ratio Lower Upper
114 100
63 24.7 19.4 29.2
88 17.7 14.2 21.2





#34
2-Butanone
Concen: 0.160 ppbv
RT: 2.564 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

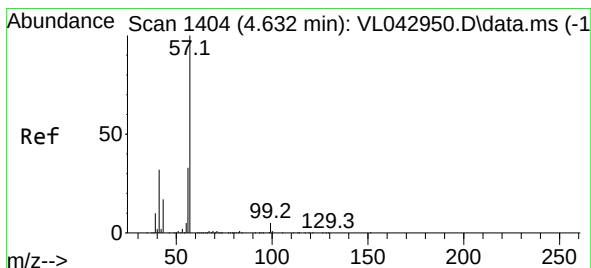
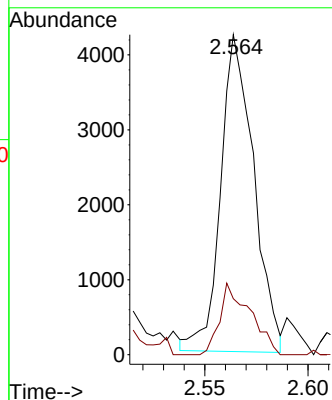
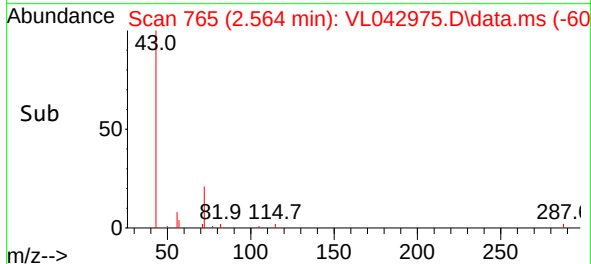
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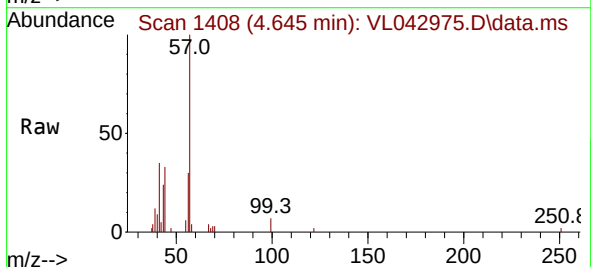
Tgt Ion: 43 Resp: 4708
Ion Ratio Lower Upper
43 100
72 20.8 17.7 26.5

Manual Integrations
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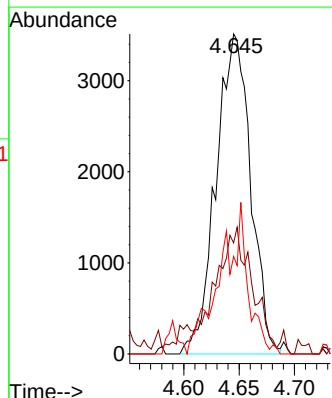
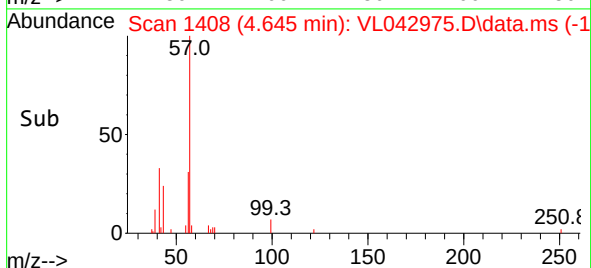
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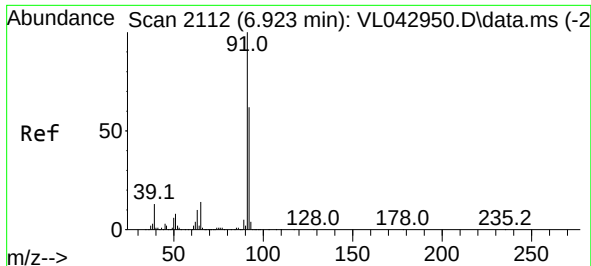


#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.013 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46



Tgt Ion: 57 Resp: 7639
Ion Ratio Lower Upper
57 100
41 49.9 25.5 38.3#
56 40.5 25.8 38.8#





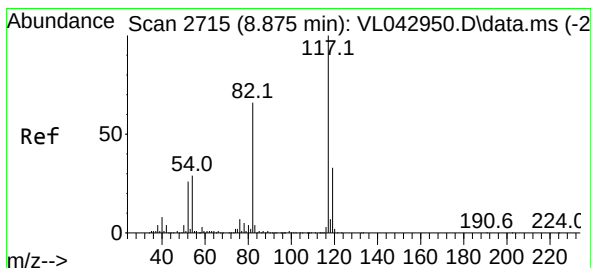
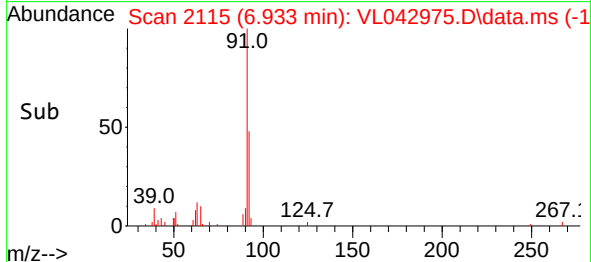
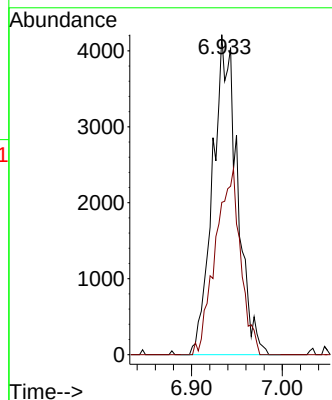
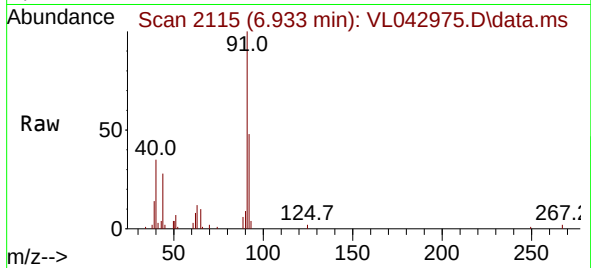
#53
Toluene
Concen: 0.171 ppbv m
RT: 6.933 min Scan# 2112
Delta R.T. 0.010 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

Instrument :
MSVOA_L
ClientSampleId :
141-1A-1DL

Tgt Ion: 91 Resp: 797
Ion Ratio Lower Upper
91 100
92 58.9 48.2 72.2

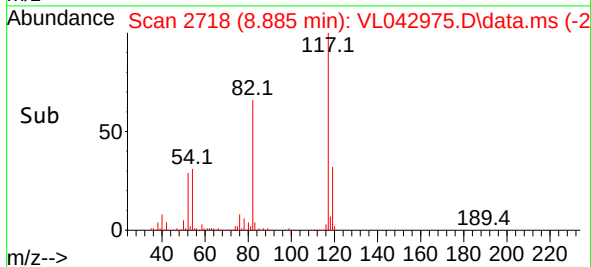
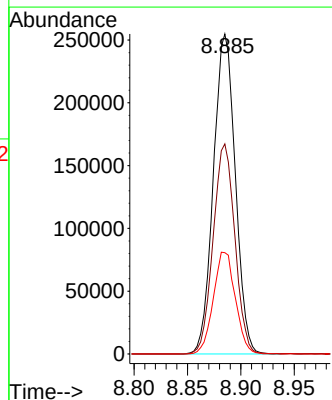
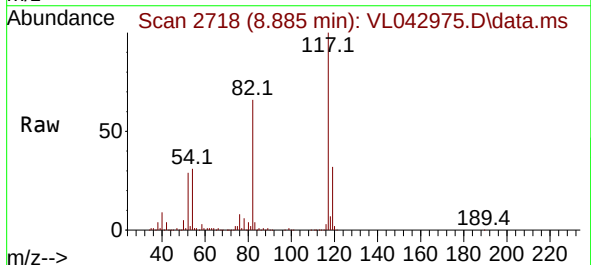
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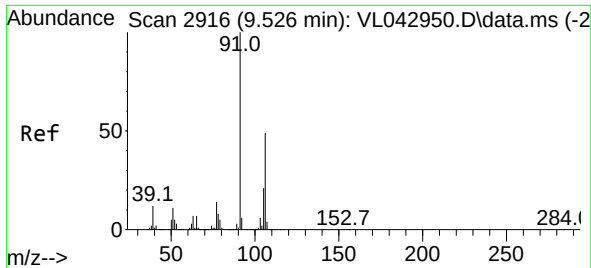
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.010 min
Lab File: VL042975.D
Acq: 23 Sep 2025 01:46

Tgt Ion:117 Resp: 364182
Ion Ratio Lower Upper
117 100
82 65.0 52.8 79.2
119 32.0 26.5 39.7





#59

m/p-Xylene

Concen: 0.136 ppbv

RT: 9.532 min Scan# 2916

Delta R.T. 0.007 min

Lab File: VL042975.D

Acq: 23 Sep 2025 01:46

Instrument :

MSVOA_L

ClientSampleId :

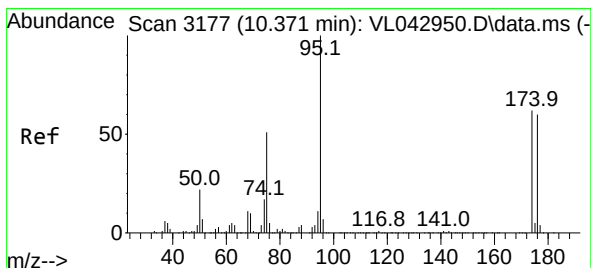
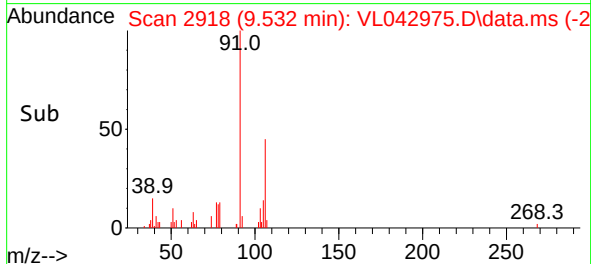
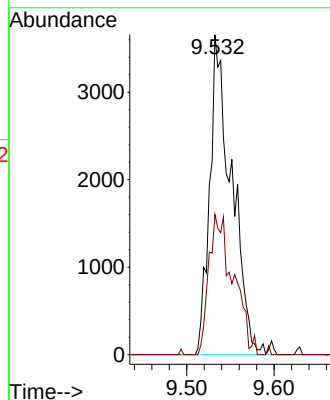
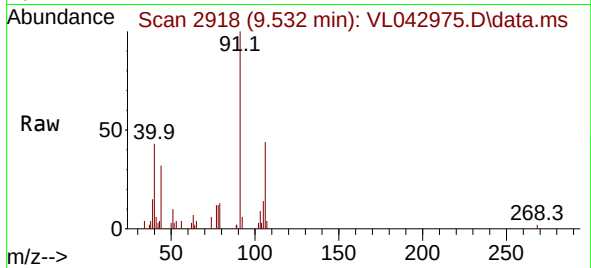
141-1A-1DL

Tgt Ion: 91 Resp: 6404
 Ion Ratio Lower Upper
 91 100
 106 48.8 0.0 0.0

Manual Integrations

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 Supervised By :Semsettin Yesilyurt 09/24/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.065 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.010 min

Lab File: VL042975.D

Acq: 23 Sep 2025 01:46

Tgt Ion: 95 Resp: 273620
 Ion Ratio Lower Upper
 95 100
 174 61.6 51.4 77.2
 175 4.7 4.0 6.0

