

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042872.D
 Acq On : 21 Aug 2025 19:03
 Operator : SY/MD
 Sample : Q2887-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 01:26:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 22 01:26:53 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	129405	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	375643	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	331004	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 253687 10.219 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
9) Propene	1.486	41	33901	3.745	ppbv	96
10) Heptane	4.994	43	9812m	0.405	ppbv	
13) Ethanol	1.725	45	14848	17.937	ppbv	95
15) Acetone	1.839	43	314211	18.356	ppbv #	86
17) tert-Butyl alcohol	2.046	59	3615	0.178	ppbv #	76
19) Isopropyl Alcohol	1.891	45	20325	1.988	ppbv #	1
20) Methylene Chloride	2.065	84	2148	0.300	ppbv #	70
26) Hexane	2.832	57	60913	3.185	ppbv #	43
29) Chloroform	2.855	83	9113	0.334	ppbv	95
30) Cyclohexane	3.865	84	2901m	0.173	ppbv	
34) 2-Butanone	2.560	43	903261	35.611	ppbv	98
36) Benzene	3.661	78	4048m	0.113	ppbv	
51) 2-Hexanone	7.454	43	70966	2.630	ppbv #	91
52) Tetrachloroethene	8.231	164	1137m	0.087	ppbv	
53) Toluene	6.949	91	50792	1.188	ppbv	98
58) Ethyl Benzene	9.361	91	6659m	0.114	ppbv	
59) m/p-Xylene	9.545	91	12675m	0.277	ppbv	

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

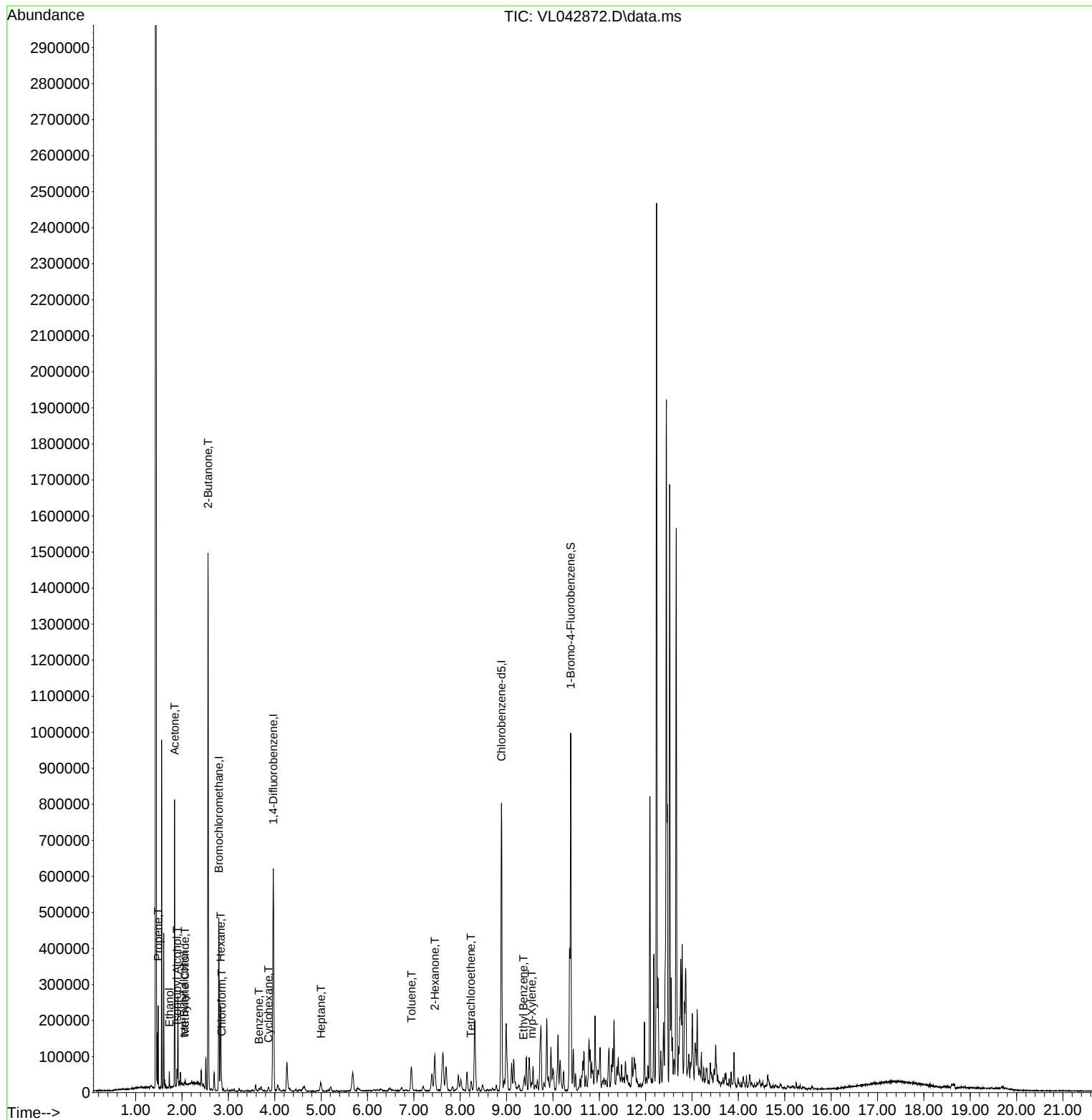
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042872.D
Acq On : 21 Aug 2025 19:03
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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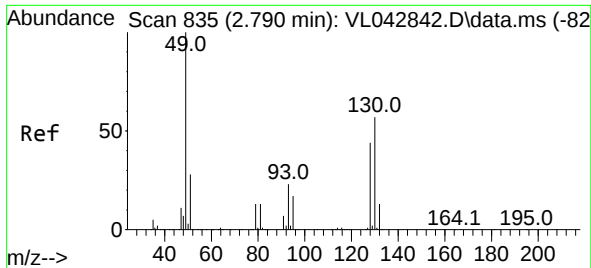
Instrument :
MSVOA_L
ClientSampleId :
SV2

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Quant Time: Aug 22 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration





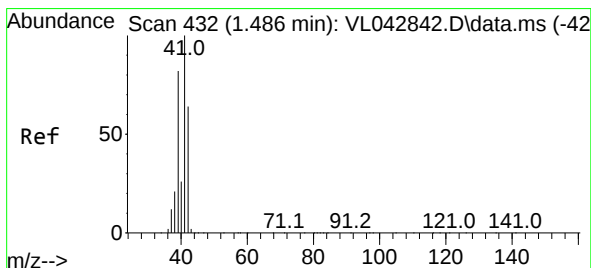
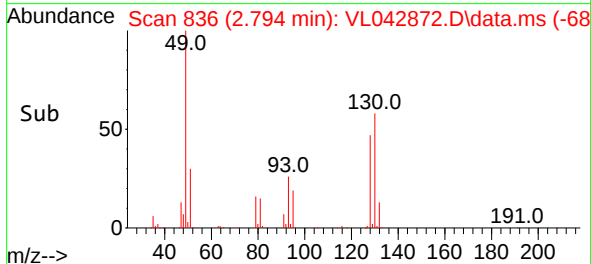
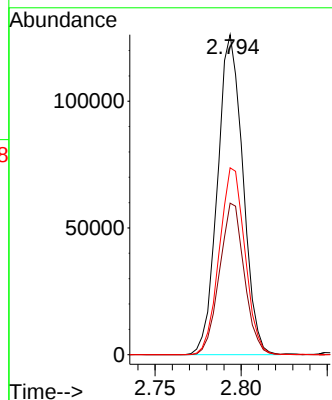
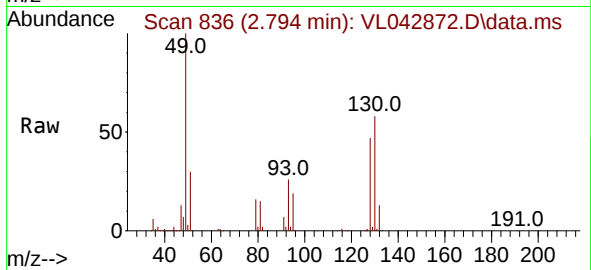
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 12940
Ion Ratio Lower Upper
49 100
128 46.3 23.7 71.1
130 59.1 30.6 91.6

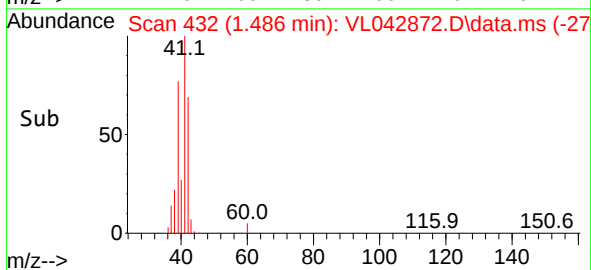
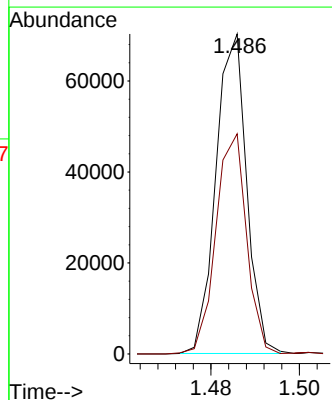
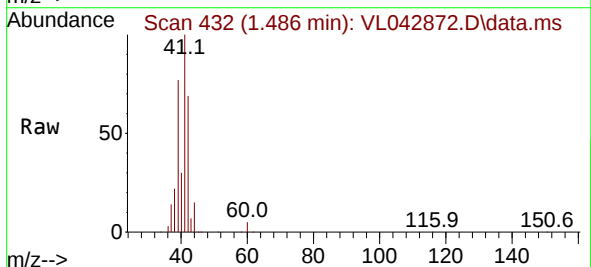
Manual Integrations
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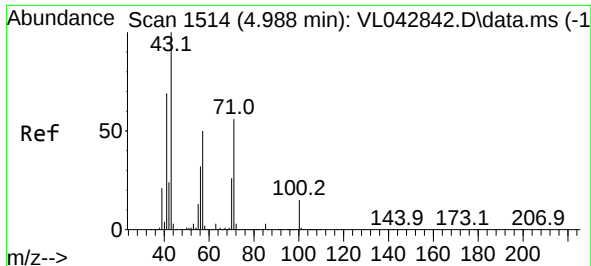
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#9
Propene
Concen: 3.745 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.000 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

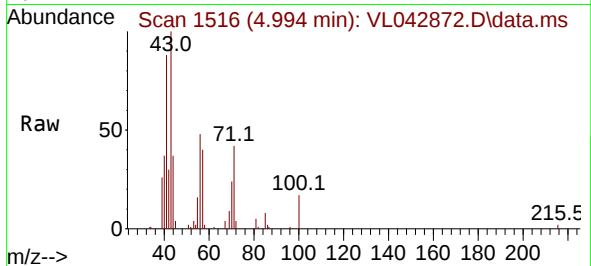
Tgt Ion: 41 Resp: 33901
Ion Ratio Lower Upper
41 100
42 69.3 53.0 79.4





#10
Heptane
Concen: 0.405 ppbv m
RT: 4.994 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

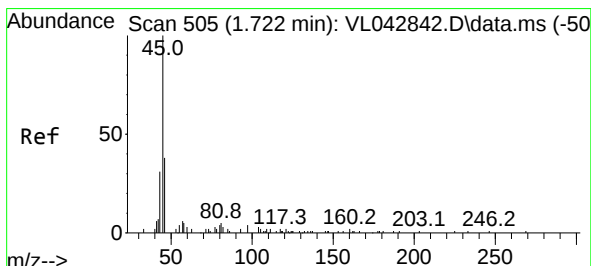
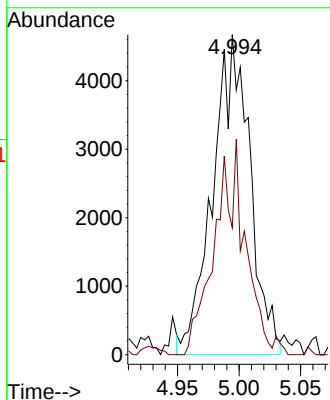
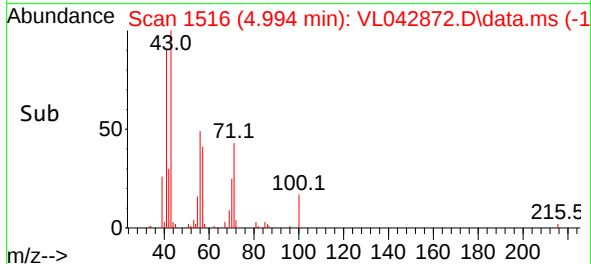
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 981
Ion Ratio Lower Upper
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57 54.8 41.4 62.0

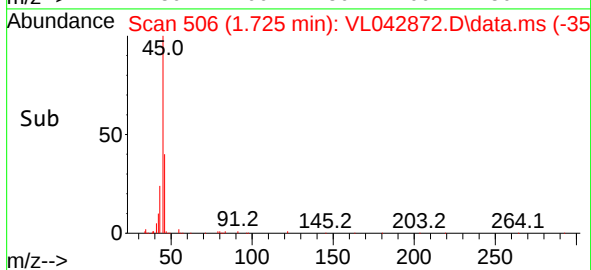
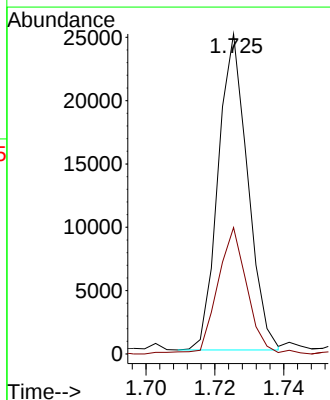
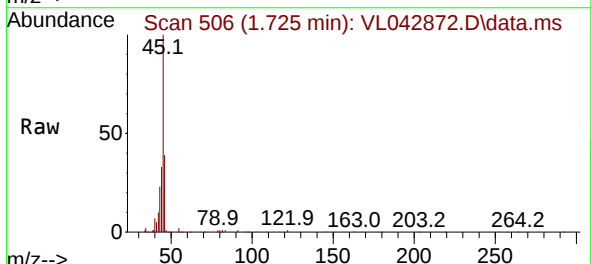
Manual Integrations
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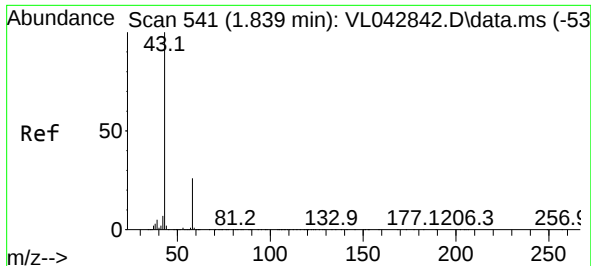
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#13
Ethanol
Concen: 17.937 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

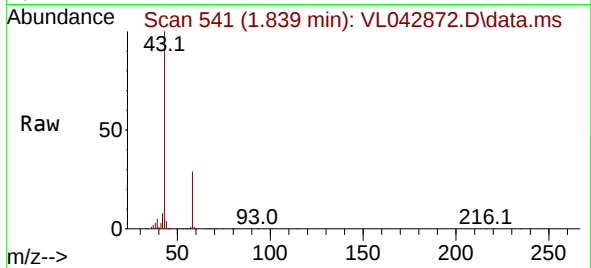
Tgt Ion: 45 Resp: 14848
Ion Ratio Lower Upper
45 100
46 40.5 17.5 69.9





#15
Acetone
Concen: 18.356 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

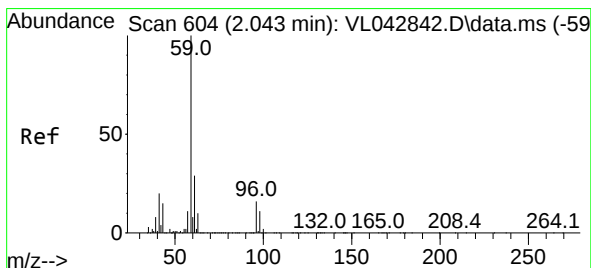
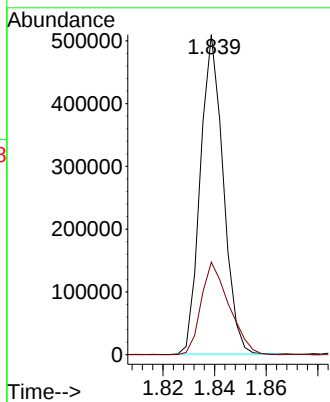
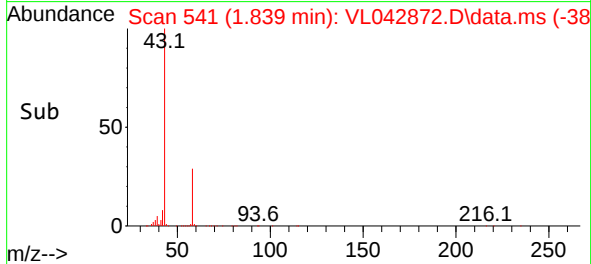
Instrument :
MSVOA_L
ClientSampleId :
SV2



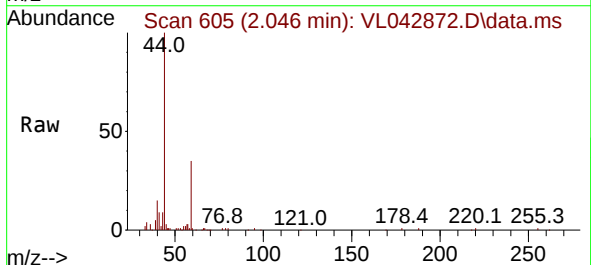
Tgt Ion: 43 Resp: 31421
Ion Ratio Lower Upper
43 100
58 35.3 22.4 33.6

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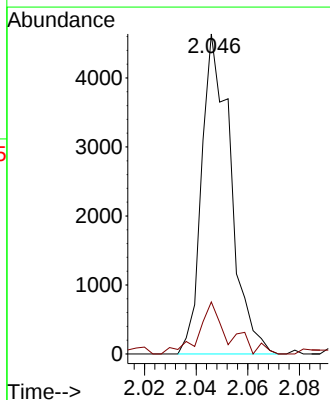
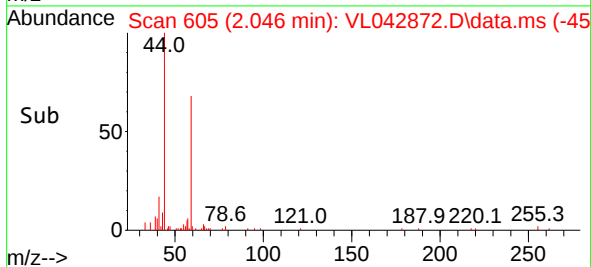
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

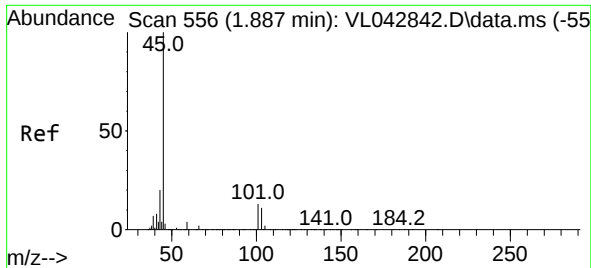


#17
tert-Butyl alcohol
Concen: 0.178 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03



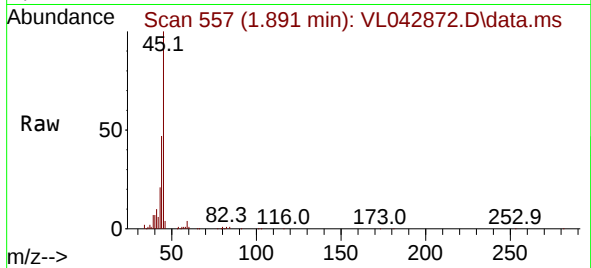
Tgt Ion: 59 Resp: 3615
Ion Ratio Lower Upper
59 100
57 20.4 9.0 13.4





#19
Isopropyl Alcohol
Concen: 1.988 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

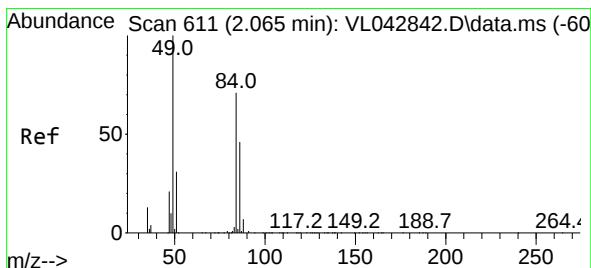
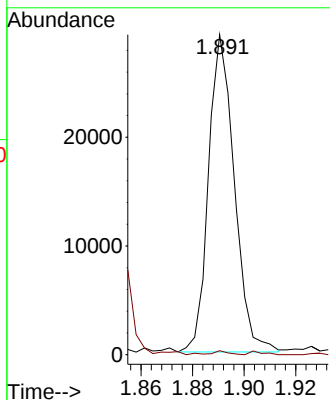
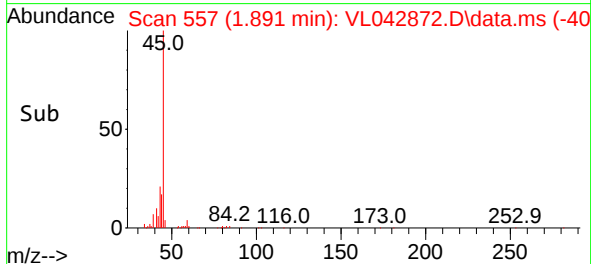
Instrument :
MSVOA_L
ClientSampleId :
SV2



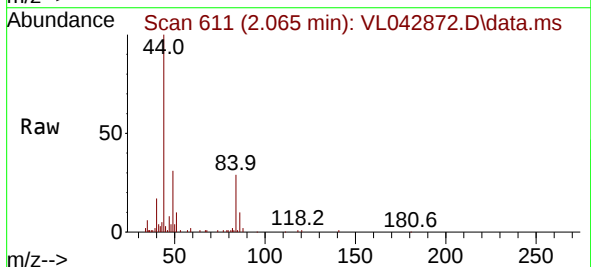
Tgt Ion: 45 Resp: 2032
Ion Ratio Lower Upper
45 100
58 546.2 32.7 49.1

Manual Integrations
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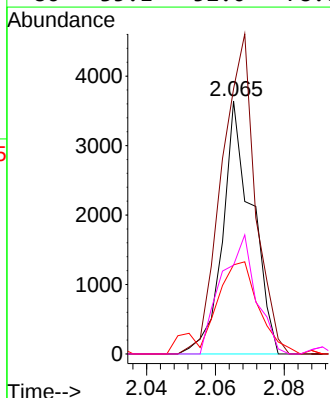
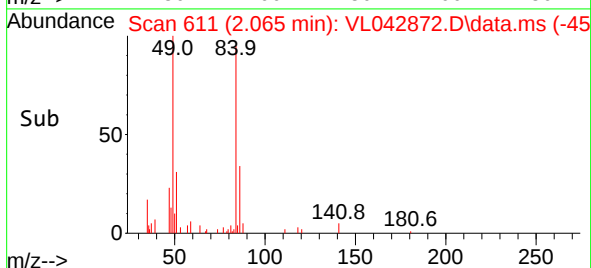
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

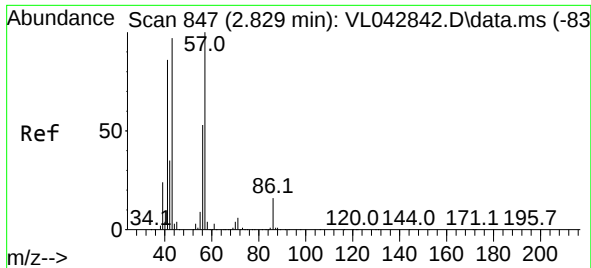


#20
Methylene Chloride
Concen: 0.300 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03



Tgt Ion: 84 Resp: 2148
Ion Ratio Lower Upper
84 100
49 104.8 112.3 168.5#
51 30.5 36.0 54.0#
86 35.1 52.0 78.0#





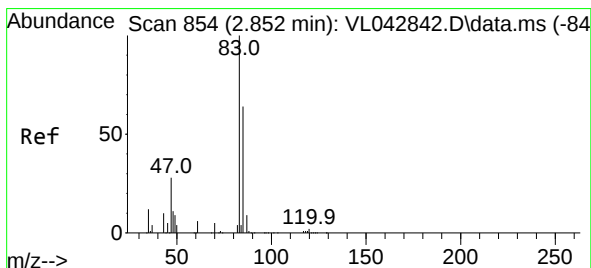
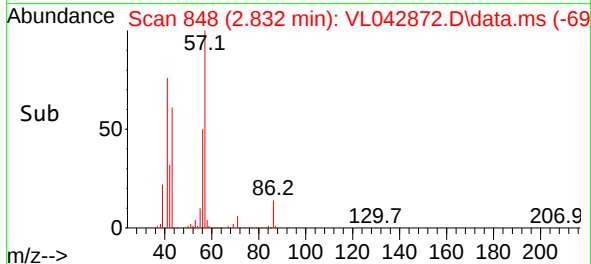
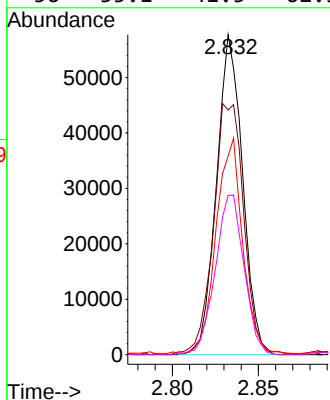
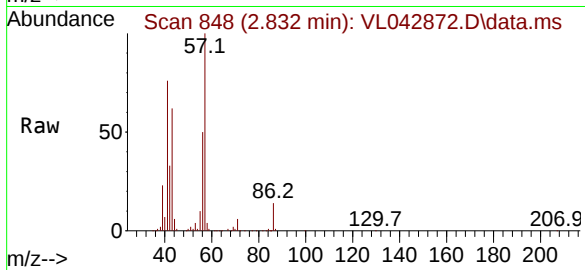
#26
Hexane
Concen: 3.185 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 57 Resp: 6091
Ion Ratio Lower Upper
57 100
41 91.3 68.6 103.0
43 68.9 168.5 252.7
56 55.1 41.5 62.3

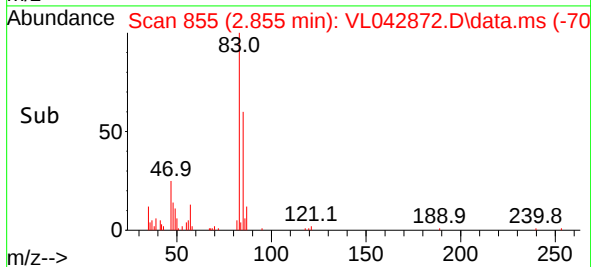
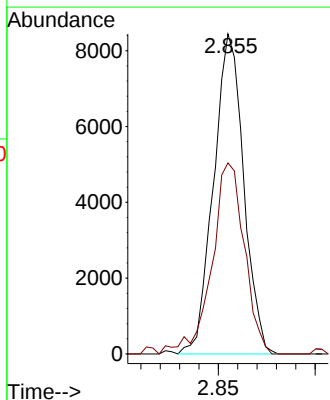
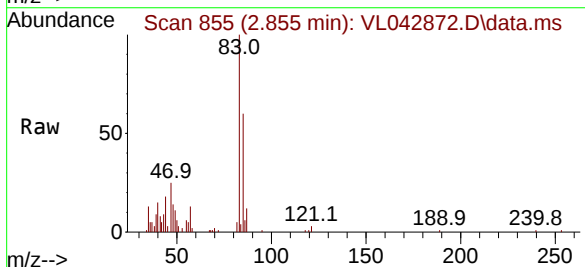
Manual Integrations
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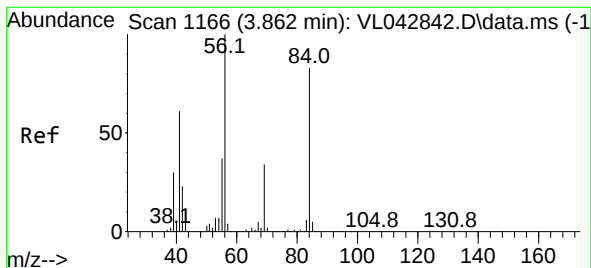
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#29
Chloroform
Concen: 0.334 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 83 Resp: 9113
Ion Ratio Lower Upper
83 100
85 59.7 51.1 76.7





#30

Cyclohexane

Concen: 0.173 ppbv m

RT: 3.865 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL042872.D

Acq: 21 Aug 2025 19:03

Instrument :

MSVOA_L

ClientSampleId :

SV2

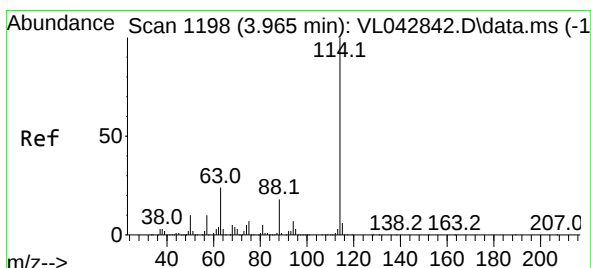
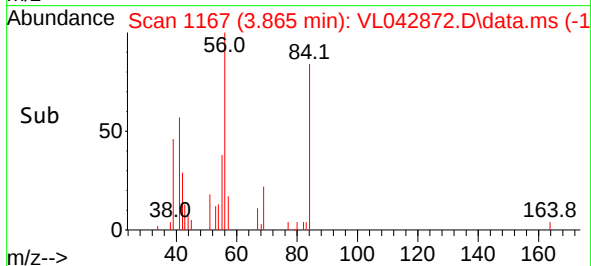
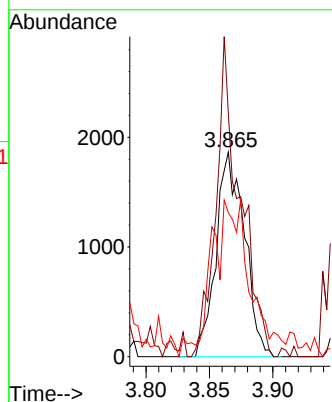
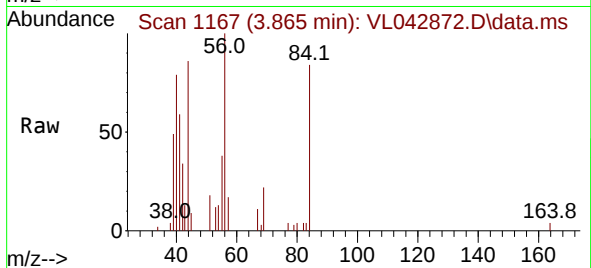
Tgt Ion:	84	Resp:	290
Ion	Ratio	Lower	Upper
84	100		
56	132.7	98.8	148.2
41	0.0	61.3	91.9

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 08/25/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

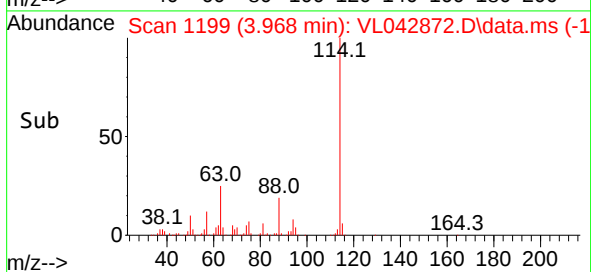
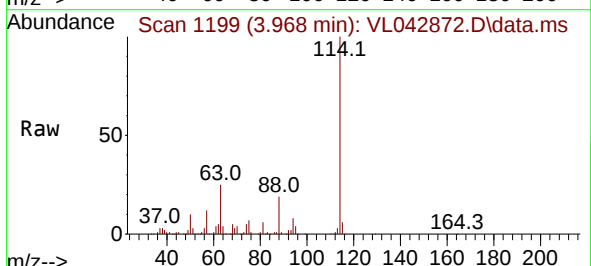
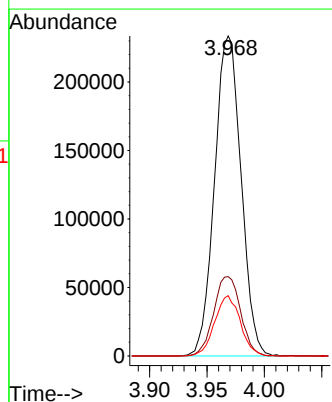
RT: 3.968 min Scan# 1199

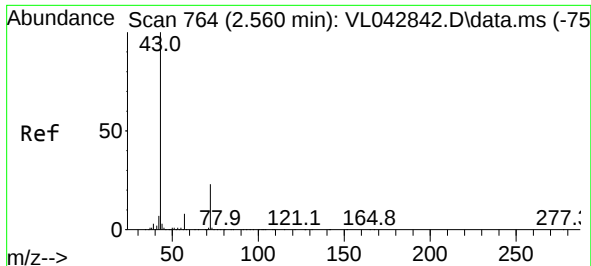
Delta R.T. 0.003 min

Lab File: VL042872.D

Acq: 21 Aug 2025 19:03

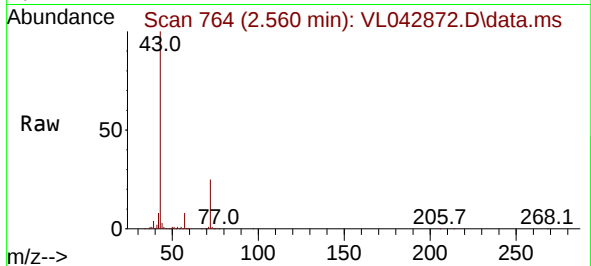
Tgt Ion:	114	Resp:	375643
Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.7	29.5
88	18.3	14.4	21.6





#34
2-Butanone
Concen: 35.611 ppbv
RT: 2.560 min Scan# 70
Delta R.T. 0.000 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

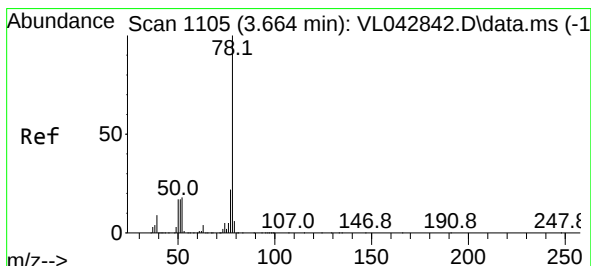
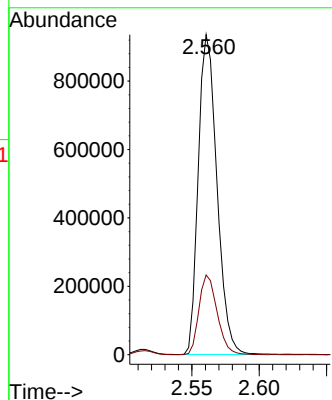
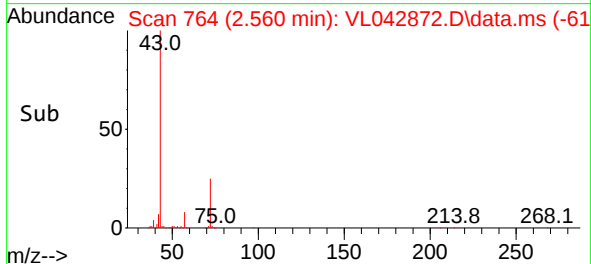
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 90326
Ion Ratio Lower Upper
43 100
72 24.2 18.6 28.0

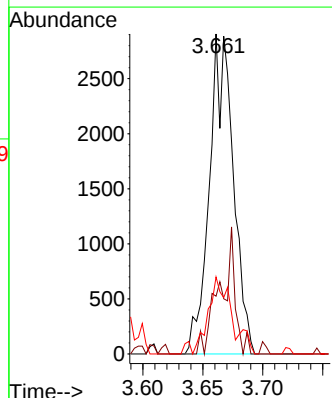
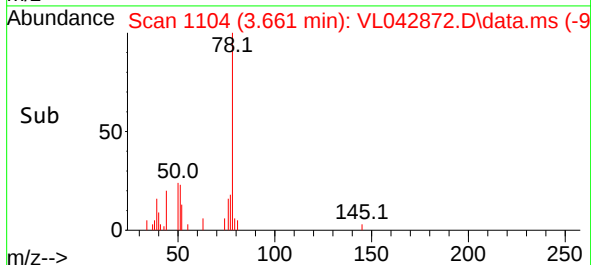
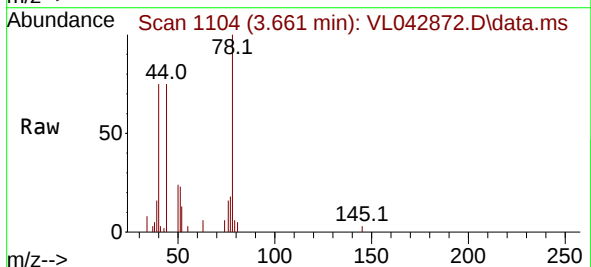
Manual Integrations
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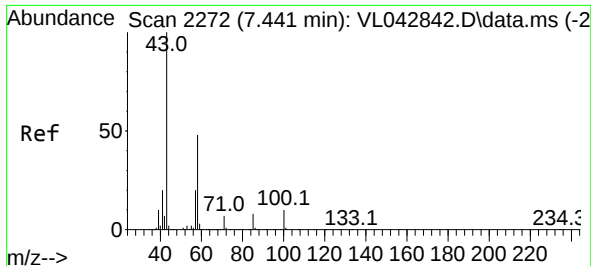
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#36
Benzene
Concen: 0.113 ppbv m
RT: 3.661 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

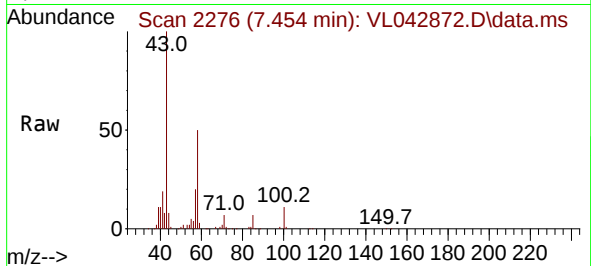
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Ion Ratio Lower Upper
78 100
77 18.0 17.7 26.5
50 24.1 13.9 20.9#





#51
2-Hexanone
Concen: 2.630 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

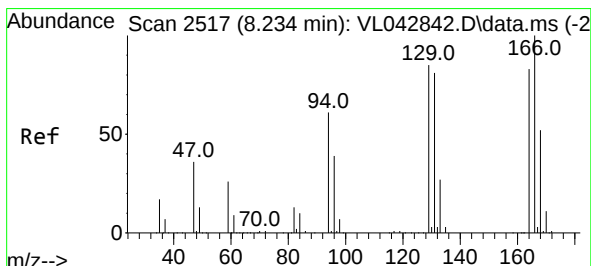
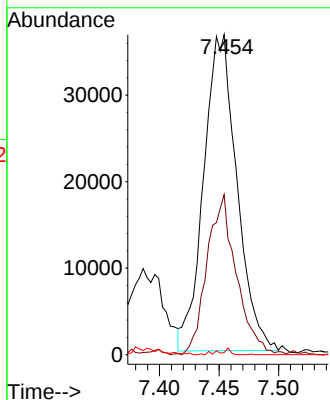
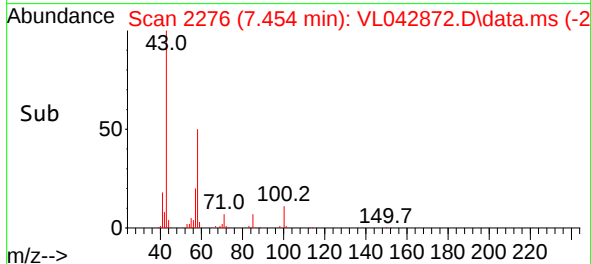
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 7096
Ion Ratio Lower Upper
43 100
58 45.1 41.0 61.6
98 0.7 0.1 0.1

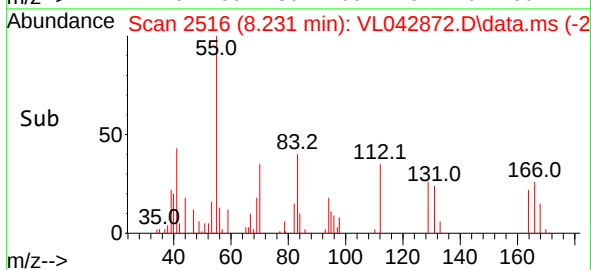
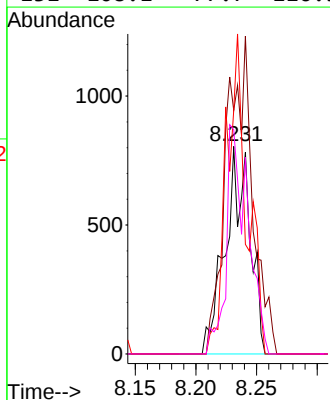
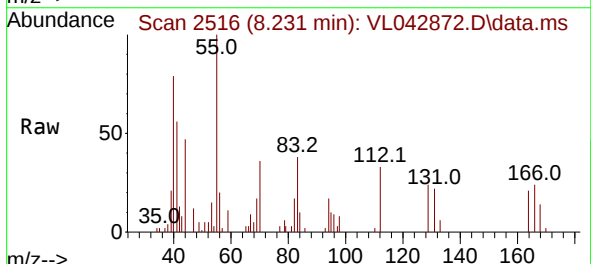
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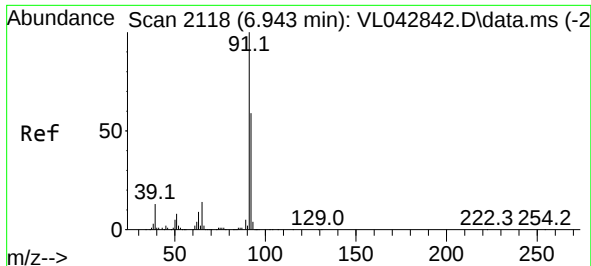
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#52
Tetrachloroethene
Concen: 0.087 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. -0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

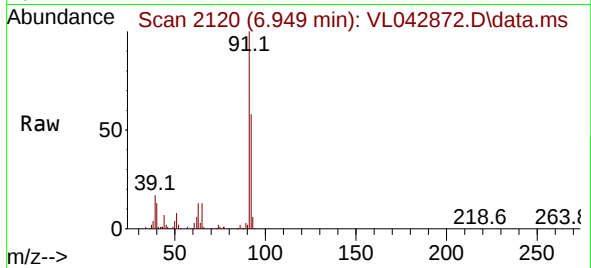
Tgt Ion:164 Resp: 1137
Ion Ratio Lower Upper
164 100
166 117.4 96.5 144.7
129 117.3 81.8 122.6
131 108.1 77.7 116.5





#53
Toluene
Concen: 1.188 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

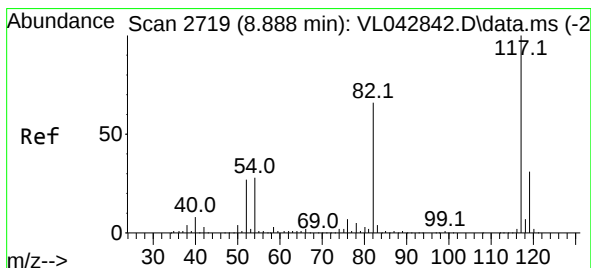
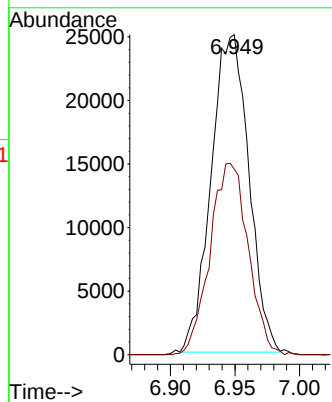
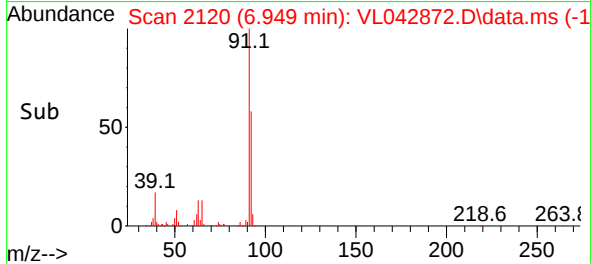
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 50792
Ion Ratio Lower Upper
91 100
92 61.0 47.8 71.6

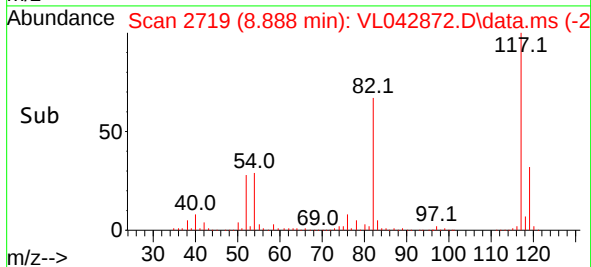
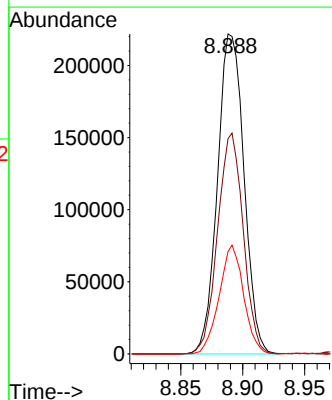
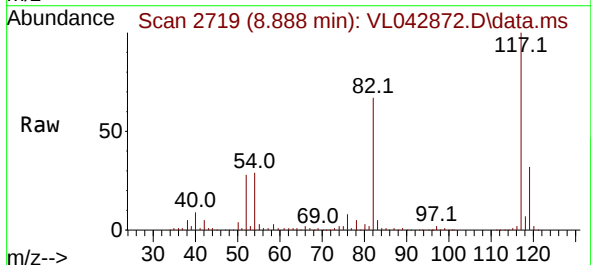
Manual Integrations
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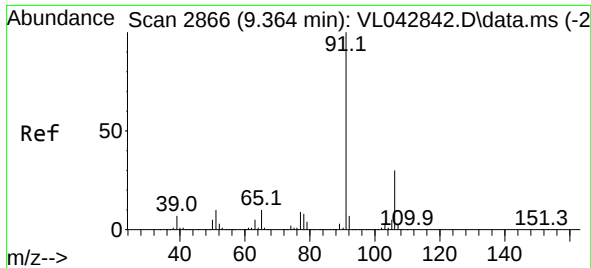
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

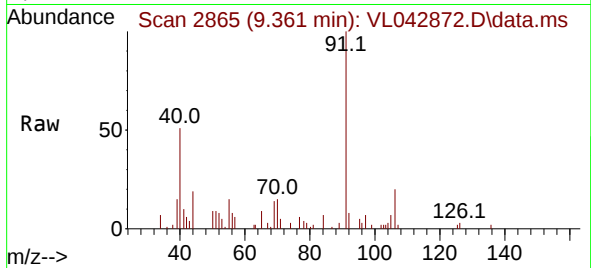
Tgt Ion:117 Resp: 331004
Ion Ratio Lower Upper
117 100
82 66.8 54.6 81.8
119 31.4 25.9 38.9





#58
Ethyl Benzene
Concen: 0.114 ppbv m
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

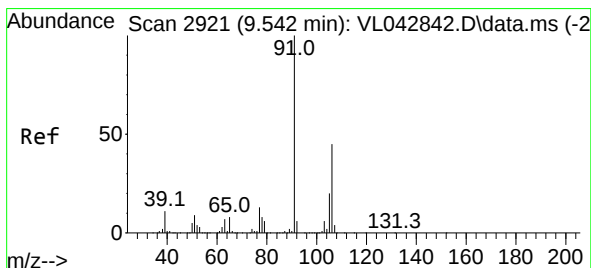
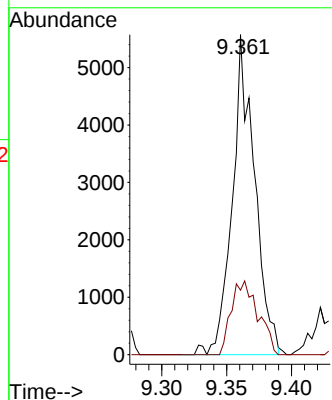
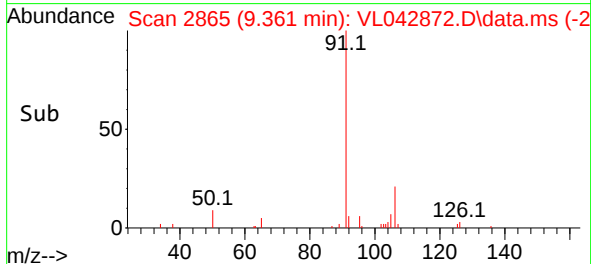
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 6659
Ion Ratio Lower Upper
91 100
106 20.1 23.9 35.9

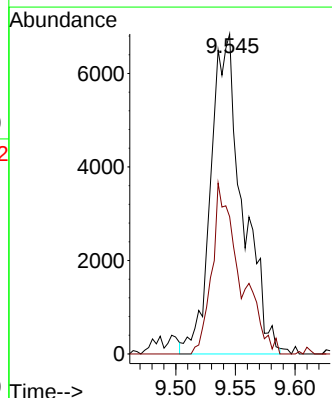
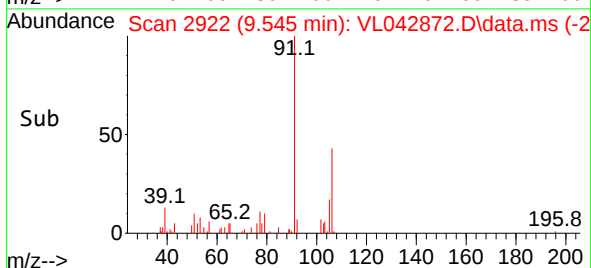
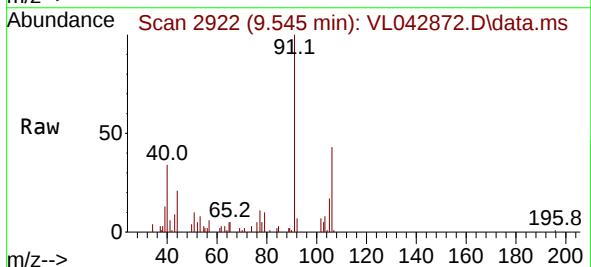
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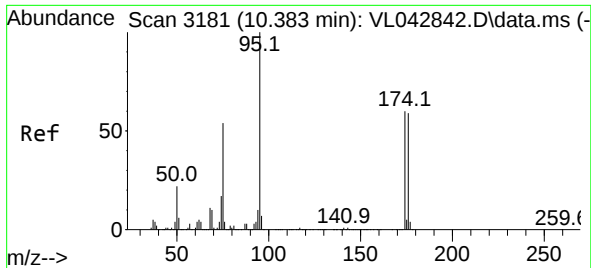
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#59
m/p-Xylene
Concen: 0.277 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. 0.003 min
Lab File: VL042872.D
Acq: 21 Aug 2025 19:03

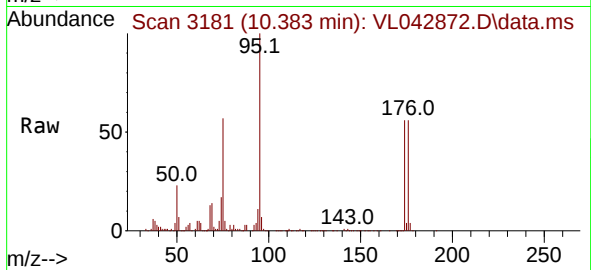
Tgt Ion: 91 Resp: 12675
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.219 ppbv
 RT: 10.383 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VL042872.D
 Acq: 21 Aug 2025 19:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 95 Resp: 25368
 Ion Ratio Lower Upper
 95 100
 174 56.3 48.4 72.6
 175 4.2 3.8 5.8

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

