

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062325\
 Data File : VL042666.D
 Acq On : 23 Jun 2025 11:30
 Operator : SY/MD
 Sample : Q2390-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 06:42:05 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	111038	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	286442	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	262633	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	204206	10.372	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.700%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	4428m	0.585	ppbv	
10) Heptane	4.991	43	12119	0.568	ppbv	99
13) Ethanol	1.725	45	9902	10.977	ppbv #	39
15) Acetone	1.839	43	151237	11.308	ppbv	97
19) Isopropyl Alcohol	1.890	45	10569	1.322	ppbv #	1
26) Hexane	2.832	57	58892	3.541	ppbv #	40
27) Carbon Disulfide	2.156	76	3144m	0.246	ppbv	
29) Chloroform	2.852	83	4512m	0.209	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	11210	0.737	ppbv	97
34) 2-Butanone	2.564	43	18897	0.925	ppbv	99
36) Benzene	3.661	78	3122	0.111	ppbv #	84
38) Trichloroethene	4.561	130	46552m	3.883	ppbv	
41) Tetrahydrofuran	3.072	42	1373m	0.115	ppbv	
52) Tetrachloroethene	8.247	164	1731852	164.307	ppbv	98
53) Toluene	6.936	91	23079	0.708	ppbv	99
59) m/p-Xylene	9.539	91	15566	0.444	ppbv	93
60) o-Xylene	9.969	91	6477m	0.185	ppbv	
74) 1,2,4-Trimethylbenzene	11.539	105	4509m	0.113	ppbv	

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

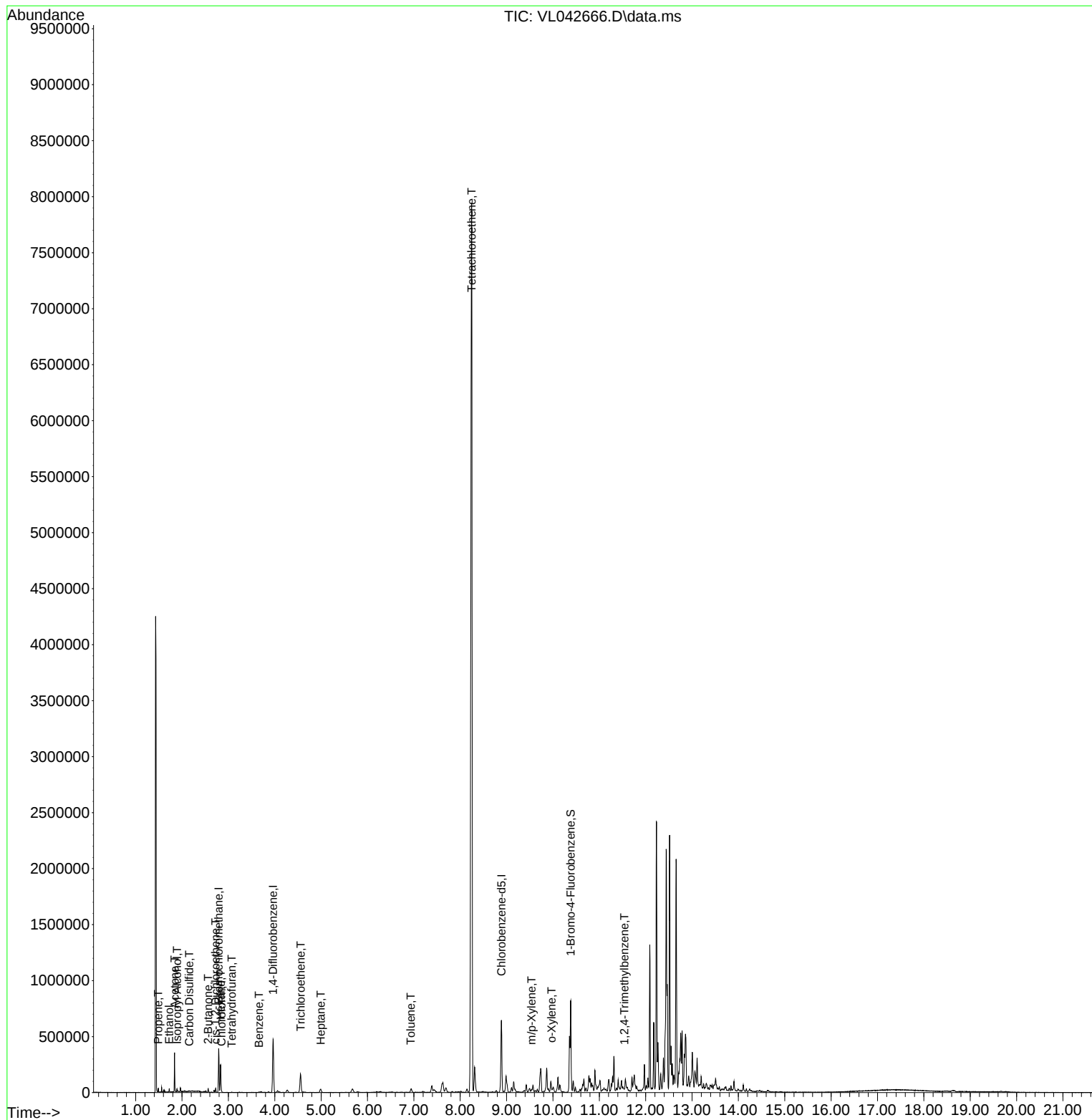
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062325\
Data File : VL042666.D
Acq On : 23 Jun 2025 11:30
Operator : SY/MD
Sample : Q2390-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

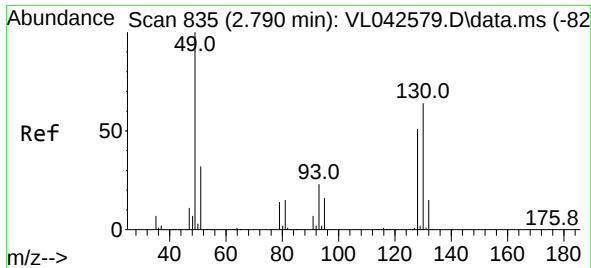
Instrument :
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SV1

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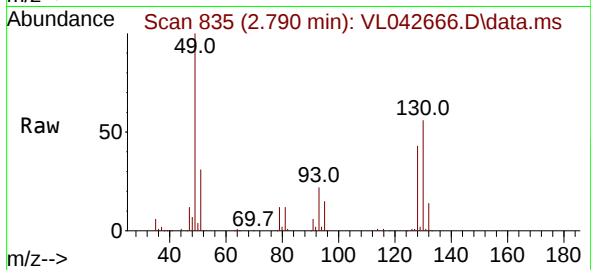
Quant Time: Jun 24 06:42:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

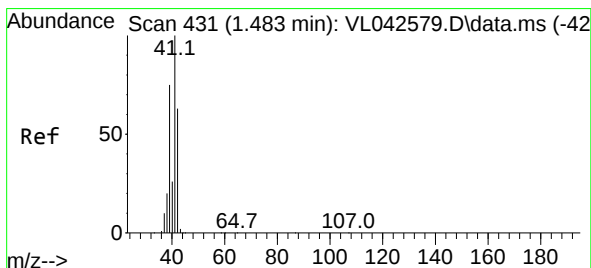
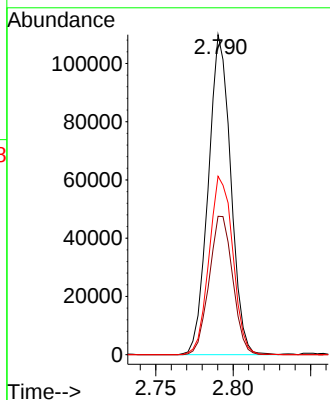
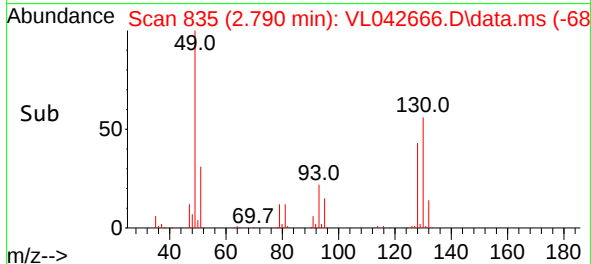
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 111038
Ion Ratio Lower Upper
49 100
128 45.1 24.2 72.6
130 58.9 30.4 91.2

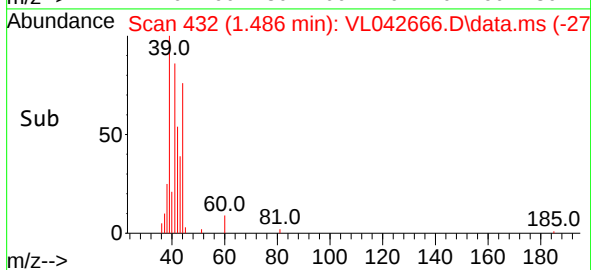
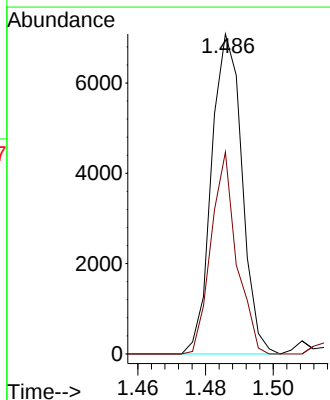
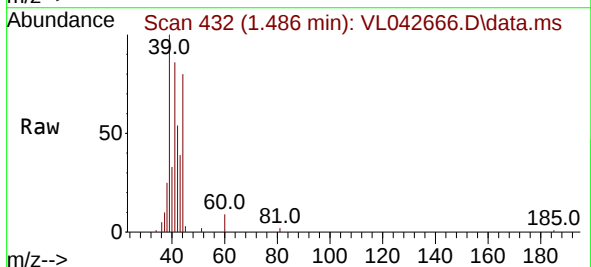
Manual Integrations
APPROVED

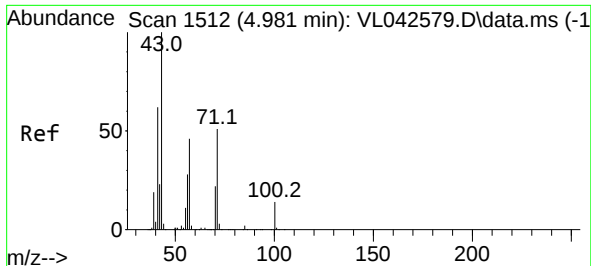
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#9
Propene
Concen: 0.585 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

Tgt Ion: 41 Resp: 4428
Ion Ratio Lower Upper
41 100
42 20.2 53.3 79.9#





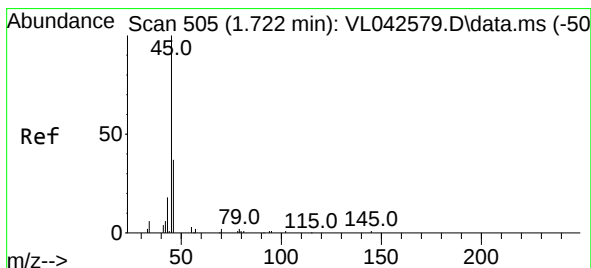
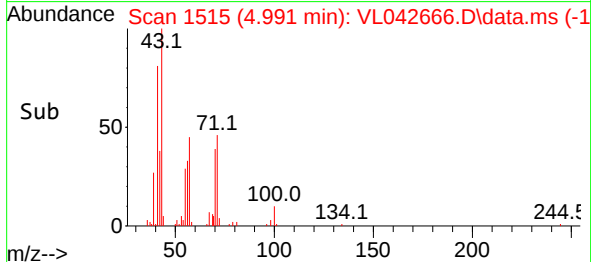
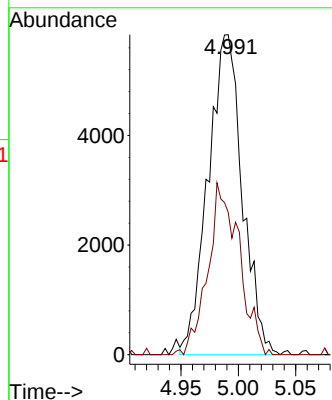
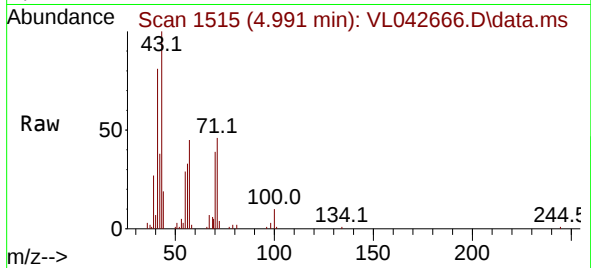
#10
Heptane
Concen: 0.568 ppbv
RT: 4.991 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 12119
Ion Ratio Lower Upper
43 100
57 49.0 38.9 58.3

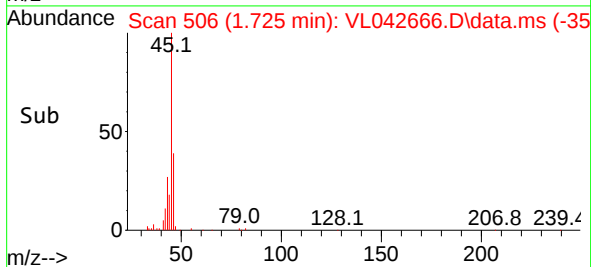
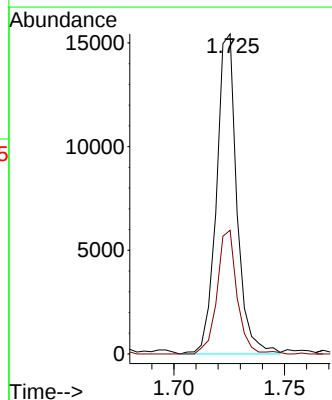
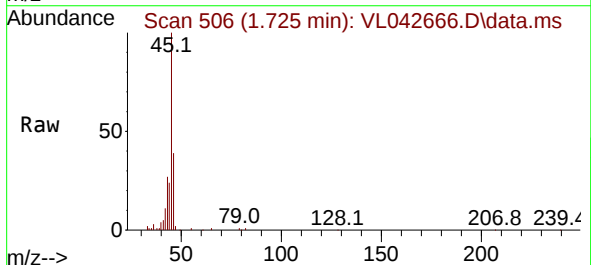
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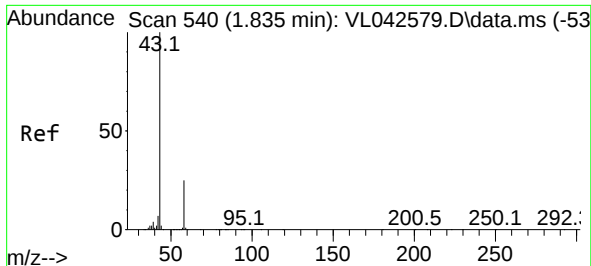
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#13
Ethanol
Concen: 10.977 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

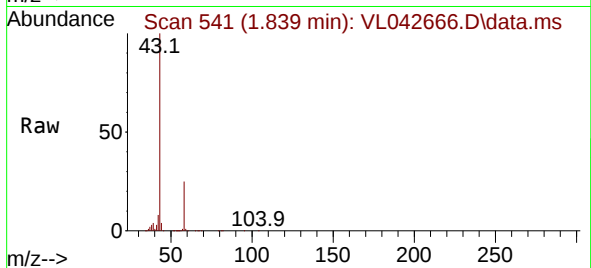
Tgt Ion: 45 Resp: 9902
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#





#15
Acetone
Concen: 11.308 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

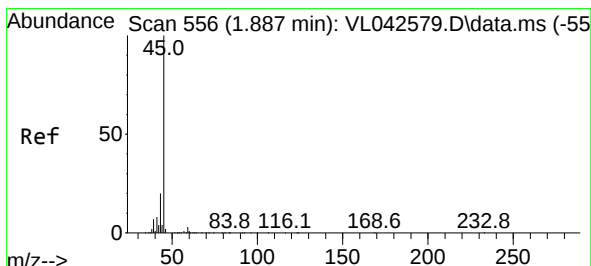
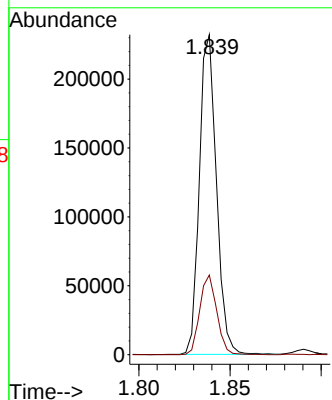
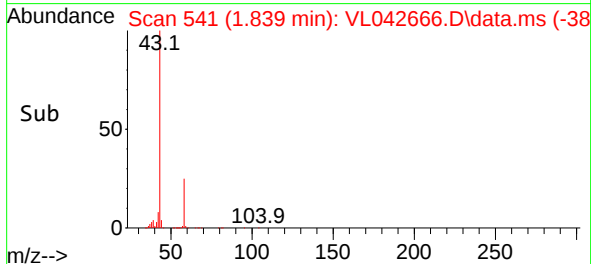
Instrument :
MSVOA_L
ClientSampleId :
SV1



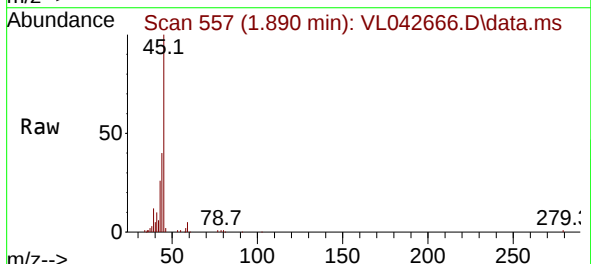
Tgt Ion: 43 Resp: 15123
Ion Ratio Lower Upper
43 100
58 24.9 21.0 31.4

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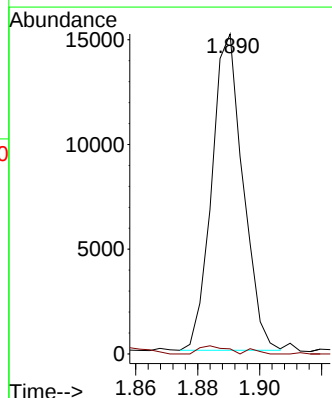
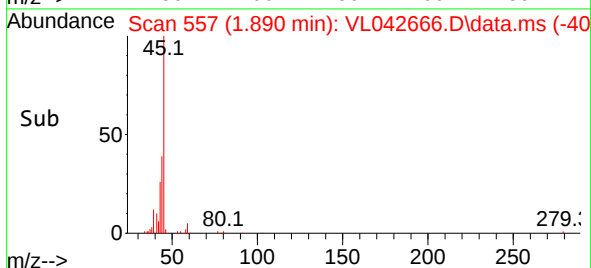
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

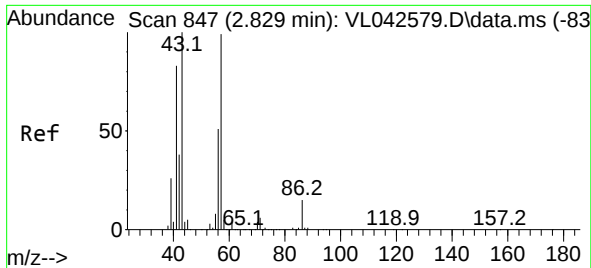


#19
Isopropyl Alcohol
Concen: 1.322 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30



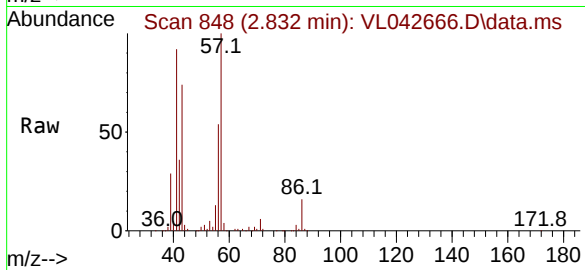
Tgt Ion: 45 Resp: 10569
Ion Ratio Lower Upper
45 100
58 356.0 29.4 44.2#





#26
Hexane
Concen: 3.541 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

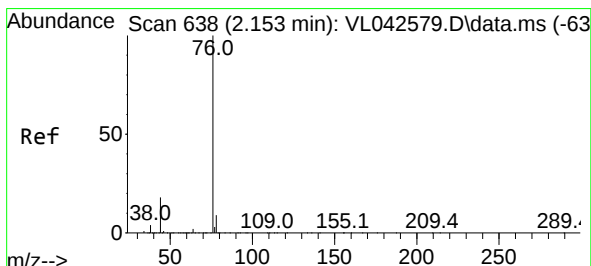
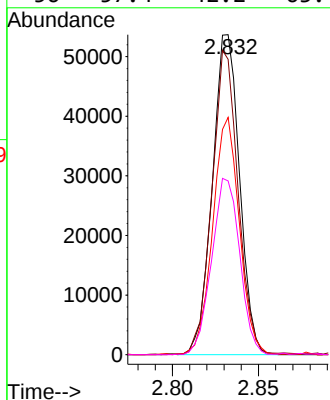
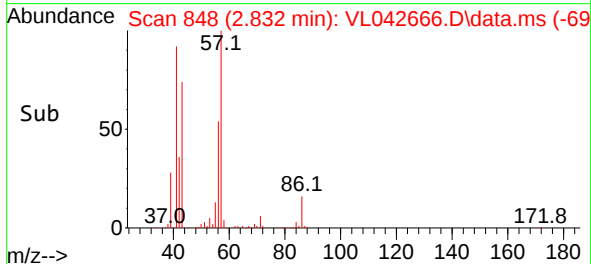
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 58892
Ion Ratio Lower Upper
57 100
41 92.6 70.6 106.0
43 73.3 181.1 271.7
56 57.4 42.2 63.4

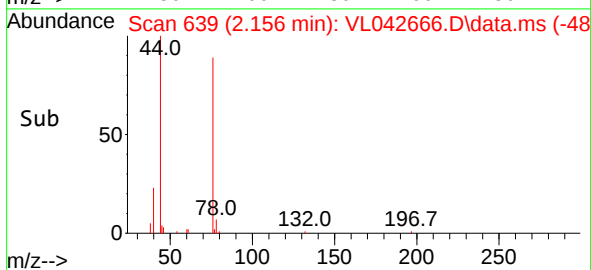
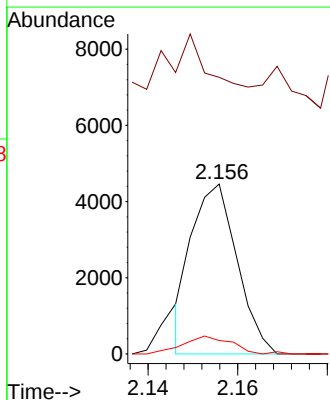
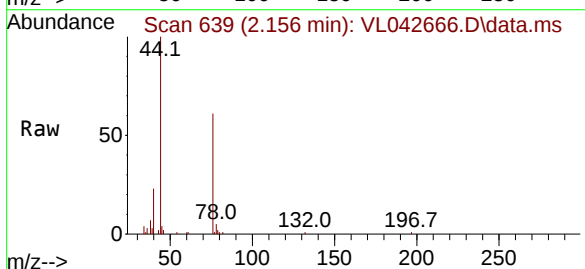
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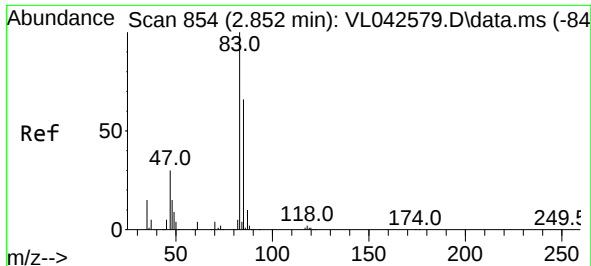
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#27
Carbon Disulfide
Concen: 0.246 ppbv m
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

Tgt Ion: 76 Resp: 3144
Ion Ratio Lower Upper
76 100
44 464.8 21.3 31.9#
78 12.4 9.4 14.0





#29

Chloroform

Concen: 0.209 ppbv m

RT: 2.852 min Scan# 8

Delta R.T. -0.000 min

Lab File: VL042666.D

Acq: 23 Jun 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 451

Ion Ratio Lower Upper

83 100

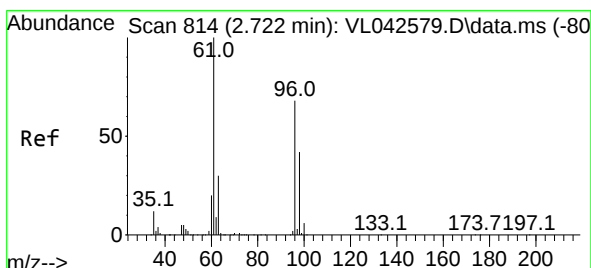
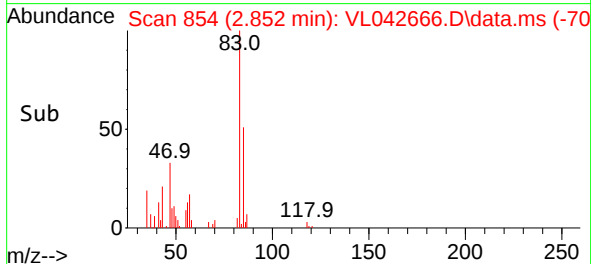
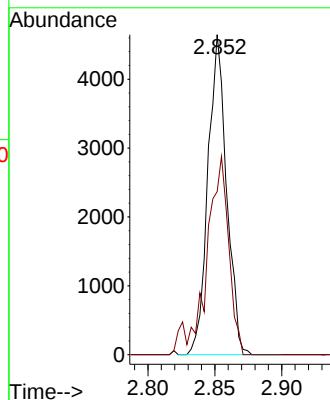
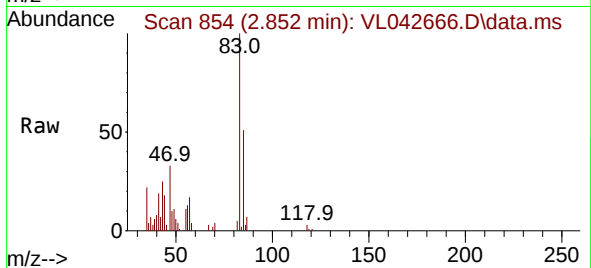
85 51.0 52.8 79.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 06/24/2025



#31

cis-1,2-Dichloroethene

Concen: 0.737 ppbv

RT: 2.725 min Scan# 815

Delta R.T. 0.003 min

Lab File: VL042666.D

Acq: 23 Jun 2025 11:30

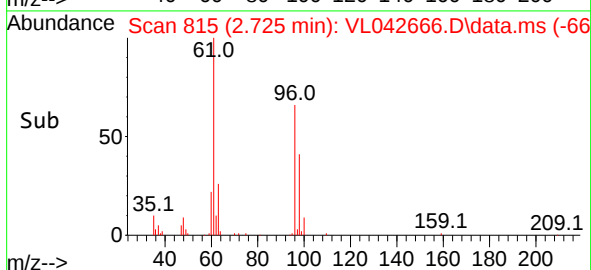
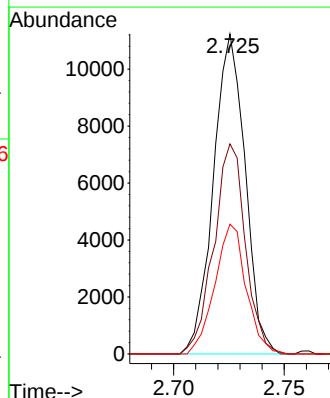
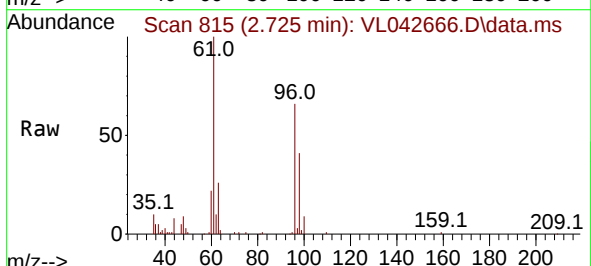
Tgt Ion: 61 Resp: 11210

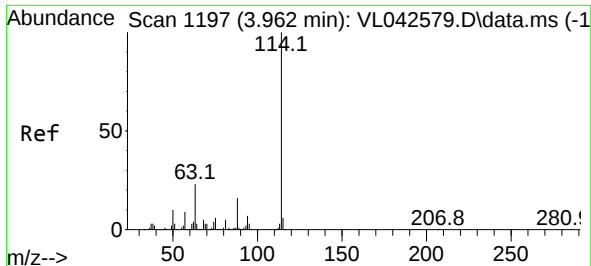
Ion Ratio Lower Upper

61 100

96 65.6 54.5 81.7

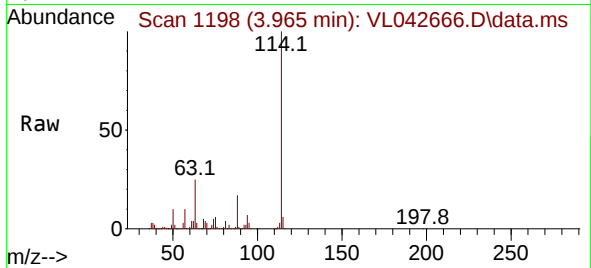
98 40.6 33.4 50.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

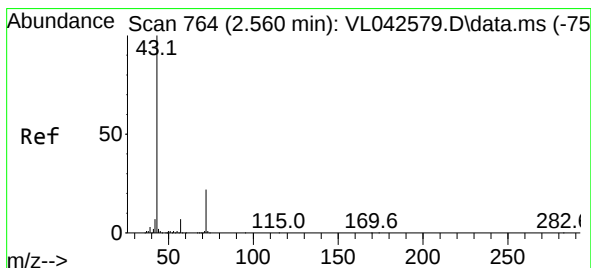
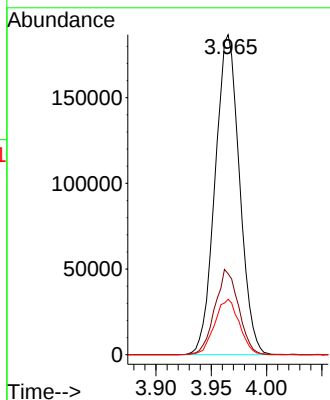
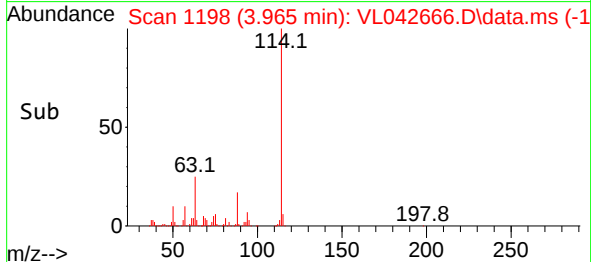
Instrument :
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ClientSampleId :
SV1



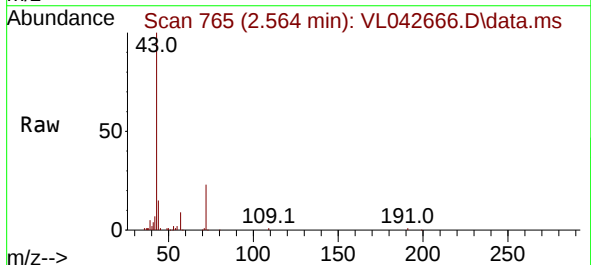
Tgt Ion:114 Resp: 28644
Ion Ratio Lower Upper
114 100
63 25.9 19.0 28.6
88 17.6 13.6 20.4

Manual Integrations
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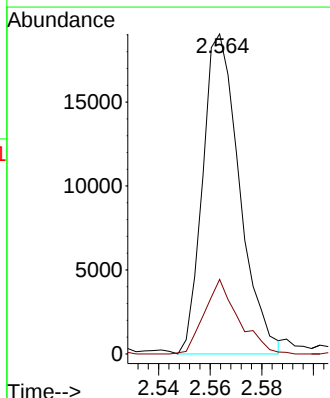
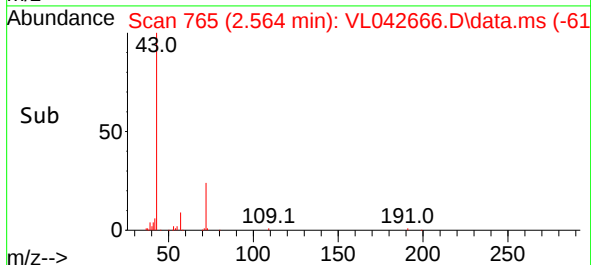
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

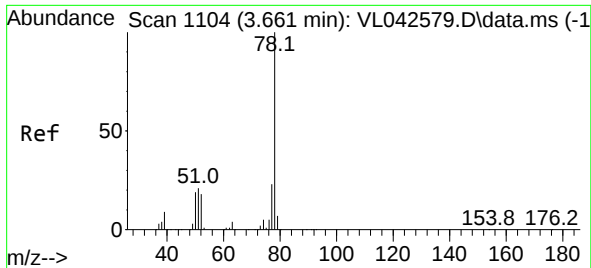


#34
2-Butanone
Concen: 0.925 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30



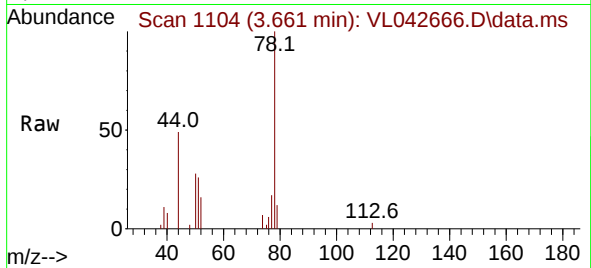
Tgt Ion: 43 Resp: 18897
Ion Ratio Lower Upper
43 100
72 21.7 17.7 26.5





#36
Benzene
Concen: 0.111 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

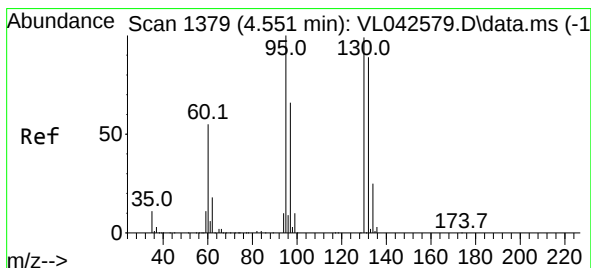
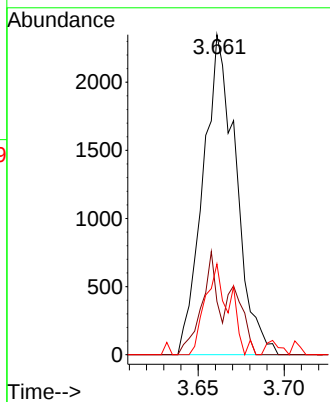
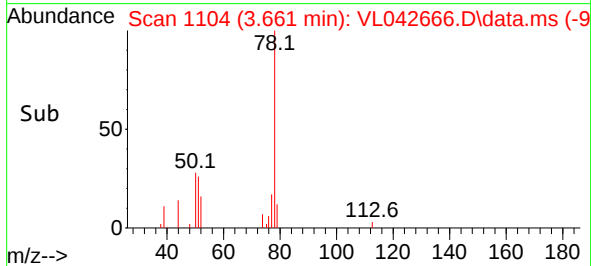
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 312
Ion Ratio Lower Upper
78 100
77 16.7 18.2 27.2
50 28.4 15.2 22.8

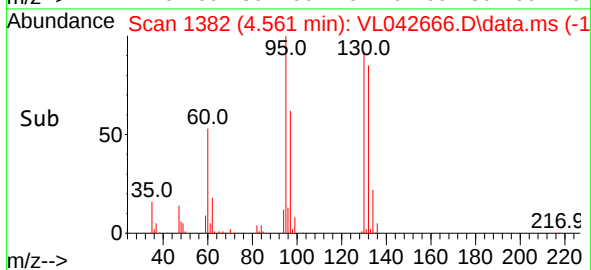
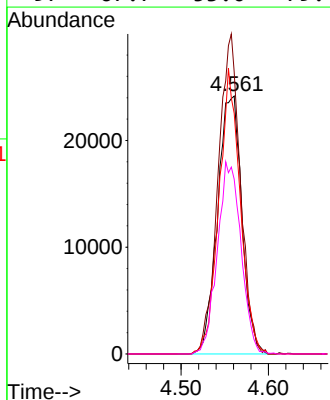
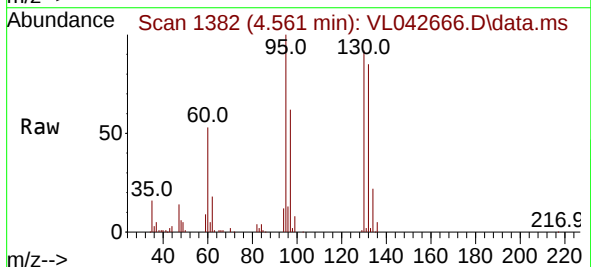
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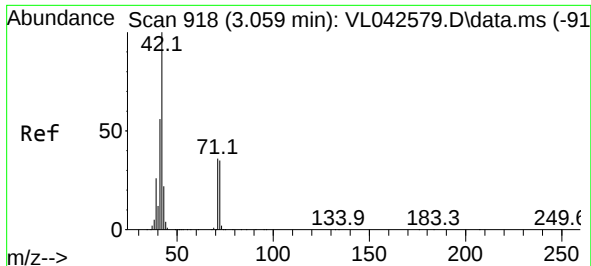
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#38
Trichloroethene
Concen: 3.883 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.010 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

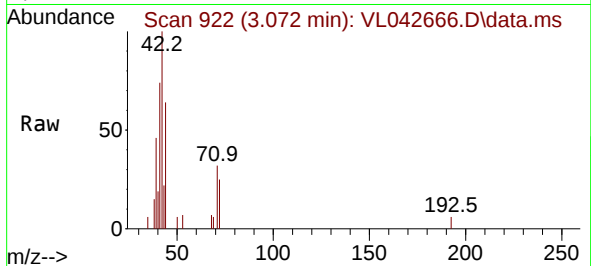
Tgt Ion:130 Resp: 46552
Ion Ratio Lower Upper
130 100
95 109.2 80.6 121.0
132 93.2 71.8 107.6
97 67.7 53.0 79.4





#41
Tetrahydrofuran
Concen: 0.115 ppbv m
RT: 3.072 min Scan# 918
Delta R.T. 0.013 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

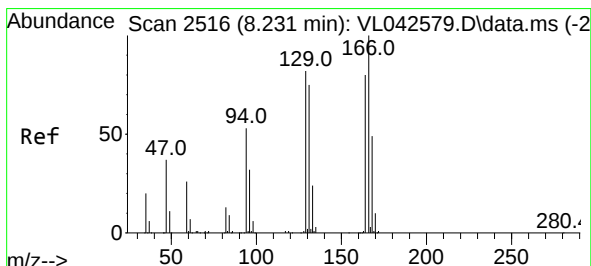
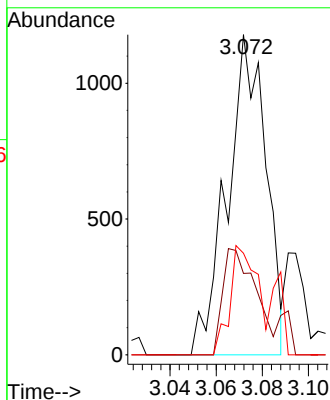
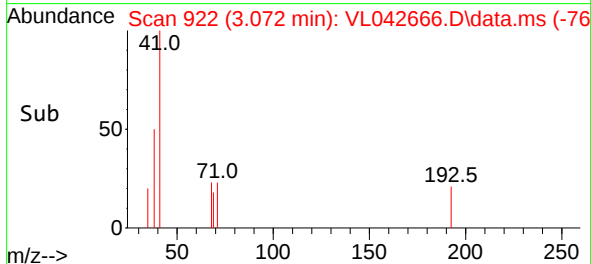
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 42 Resp: 137
Ion Ratio Lower Upper
42 100
72 32.6 28.9 43.3
71 31.8 28.5 42.7

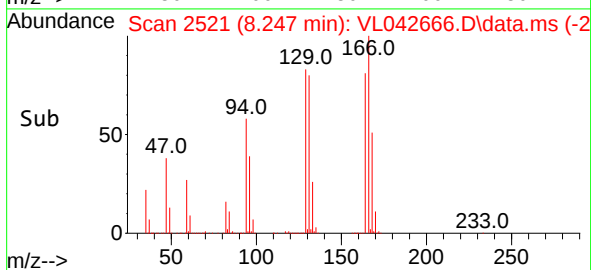
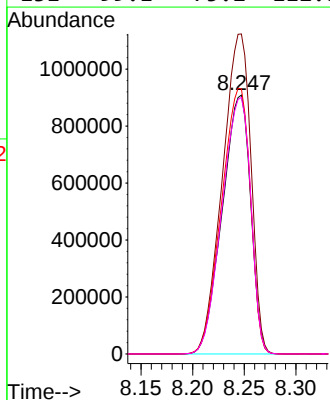
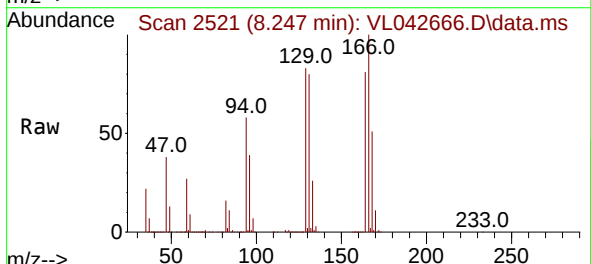
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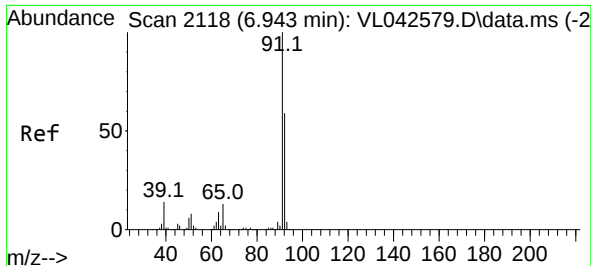
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#52
Tetrachloroethene
Concen: 164.307 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.016 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

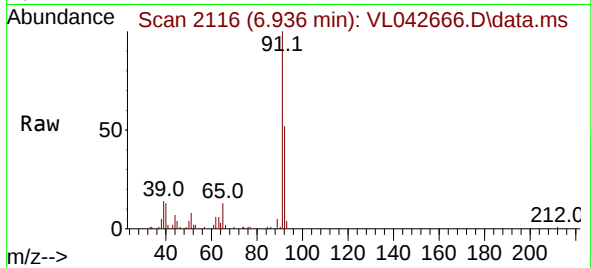
Tgt Ion:164 Resp: 1731852
Ion Ratio Lower Upper
164 100
166 123.6 100.0 150.0
129 102.4 82.2 123.4
131 99.1 75.2 112.8





#53
Toluene
Concen: 0.708 ppbv
RT: 6.936 min Scan# 2118
Delta R.T. -0.006 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

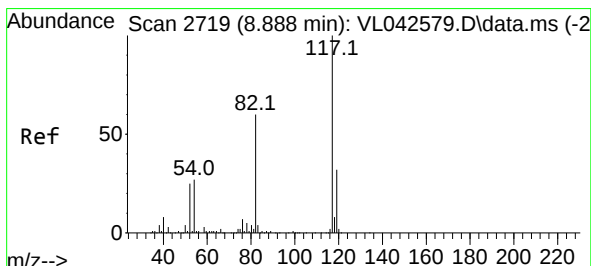
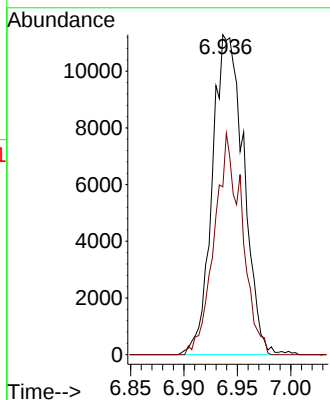
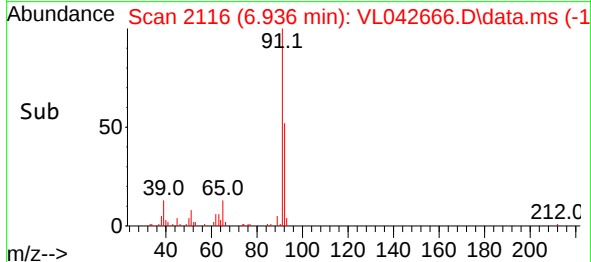
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 23079
Ion Ratio Lower Upper
91 100
92 60.8 48.2 72.4

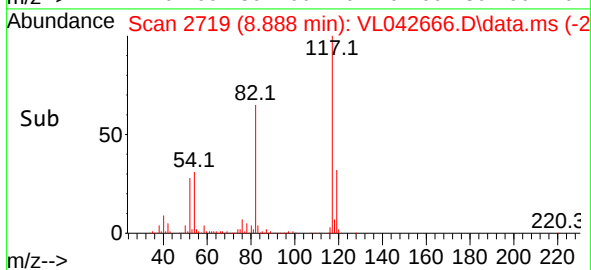
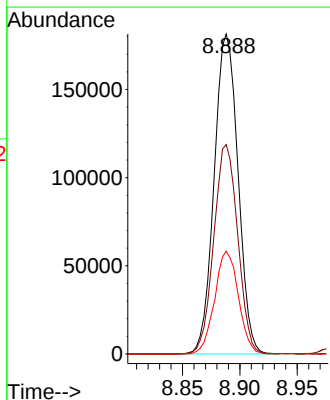
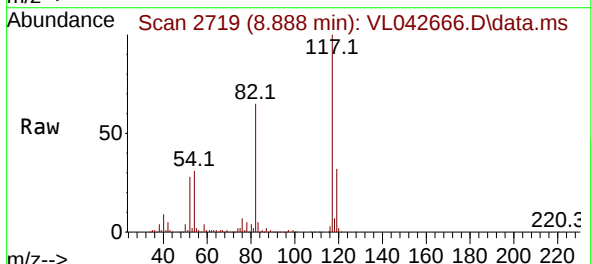
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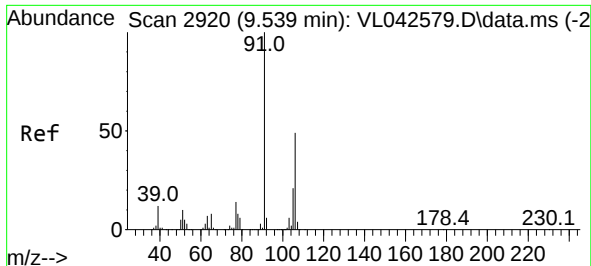
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

Tgt Ion:117 Resp: 262633
Ion Ratio Lower Upper
117 100
82 65.7 51.2 76.8
119 32.1 26.3 39.5





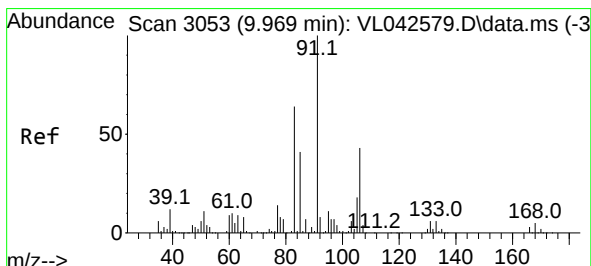
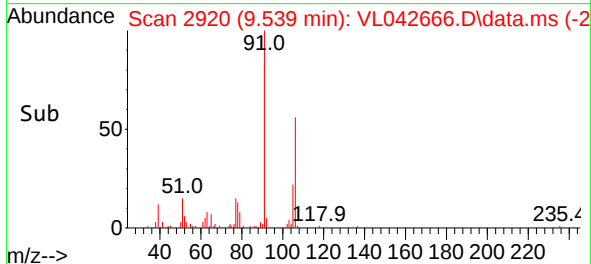
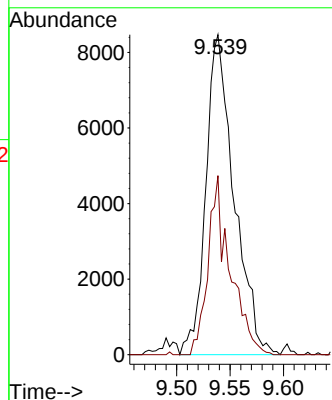
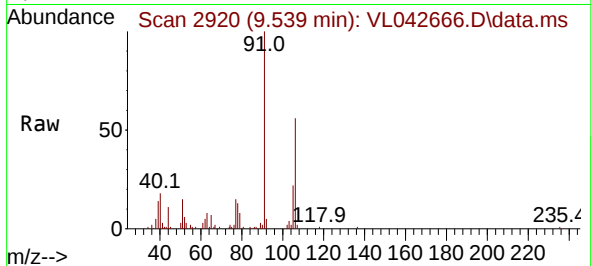
#59
m/p-Xylene
Concen: 0.444 ppbv
RT: 9.539 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 1556
Ion Ratio Lower Upper
91 100
106 43.9 38.8 58.2

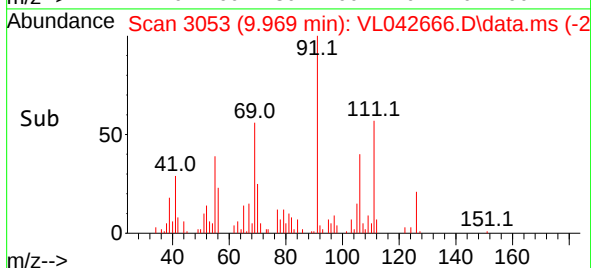
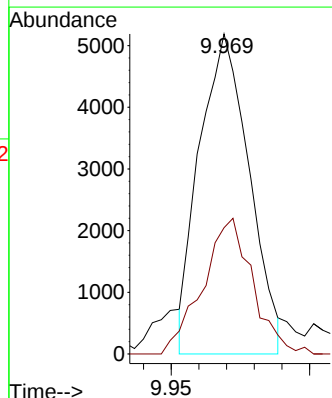
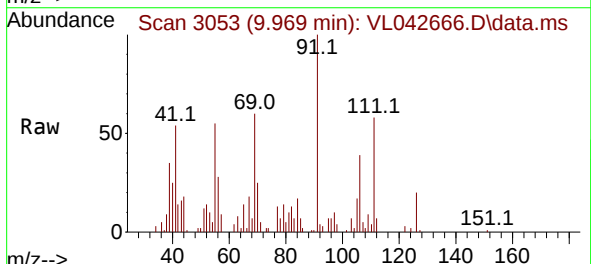
Manual Integrations
APPROVED

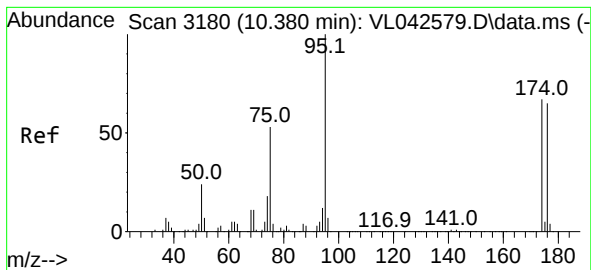
Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#60
o-Xylene
Concen: 0.185 ppbv m
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

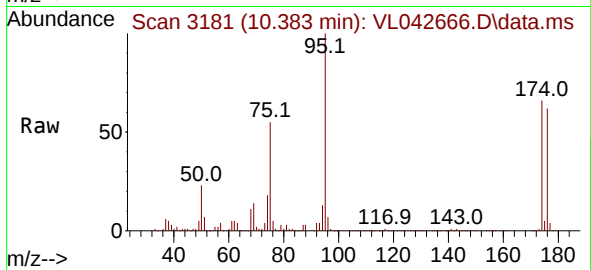
Tgt Ion: 91 Resp: 6477
Ion Ratio Lower Upper
91 100
106 42.4 22.9 68.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.372 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

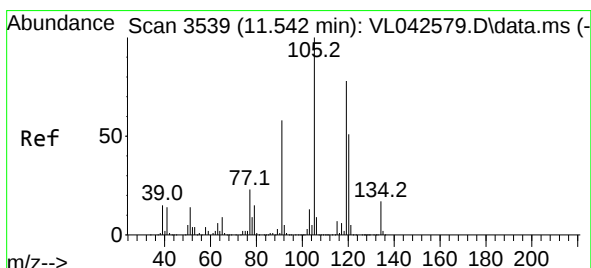
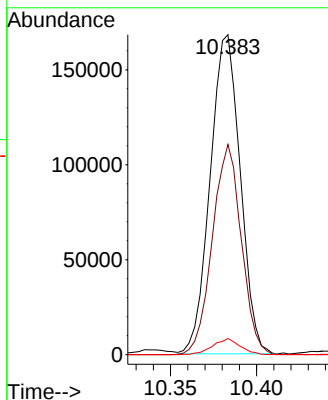
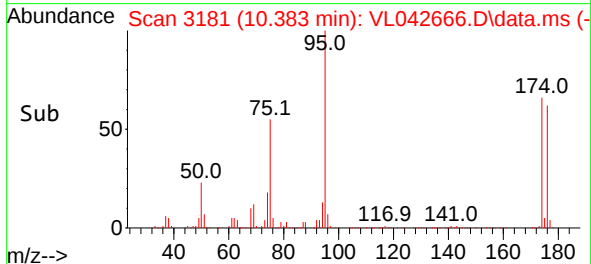
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 95 Resp: 204200
Ion Ratio Lower Upper
95 100
174 63.5 53.1 79.7
175 4.6 4.2 6.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.113 ppbv m
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042666.D
Acq: 23 Jun 2025 11:30

Tgt Ion:105 Resp: 4509
Ion Ratio Lower Upper
105 100
120 32.1 40.8 61.2#
91 18.9 46.8 70.2#
77 15.1 18.2 27.2#

