

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042389.D
 Acq On : 18 Apr 2025 13:43
 Operator : SY/MD
 Sample : Q1726-04DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-5-03312025DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2025
 Supervised By :Mahesh Dadoda 04/21/2025

Quant Time: Apr 18 22:58:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	134501	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	412843	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	353048	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	286509	9.876	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
10) Heptane	4.981	43	4460m	0.154	ppbv	
13) Ethanol	1.722	45	9628	5.878	ppbv #	24
15) Acetone	1.839	43	207223	9.411	ppbv	100
19) Isopropyl Alcohol	1.887	45	7883	0.644	ppbv #	1
44) 2,2,4-Trimethylpentane	4.648	57	22870m	0.297	ppbv	
53) Toluene	6.936	91	47465	0.888	ppbv	99
58) Ethyl Benzene	9.361	91	12921m	0.185	ppbv	
59) m/p-Xylene	9.532	91	37128	0.659	ppbv	98
60) o-Xylene	9.966	91	14405	0.254	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	7150	0.117	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	24212	0.338	ppbv #	59

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

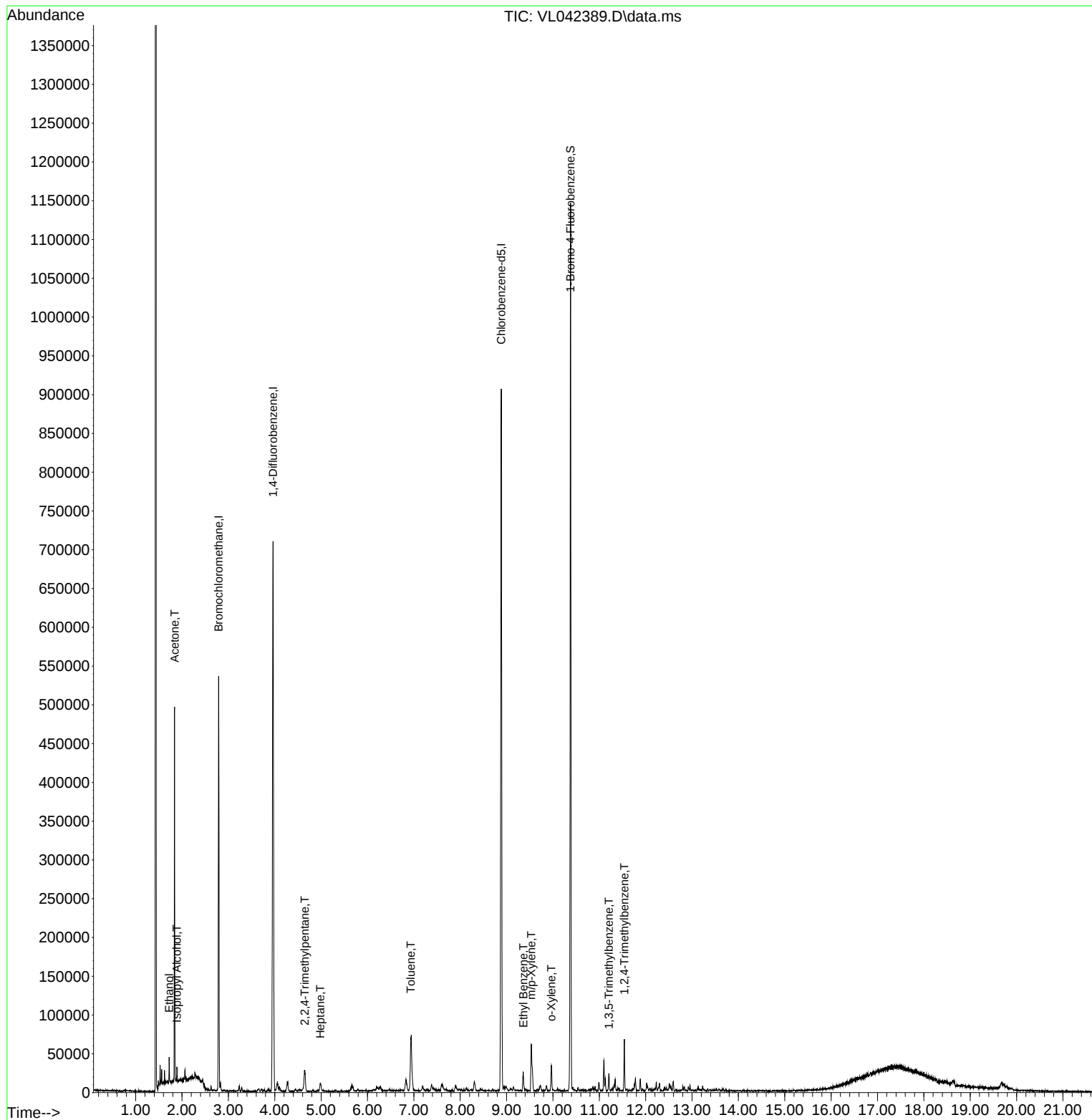
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
Data File : VL042389.D
Acq On : 18 Apr 2025 13:43
Operator : SY/MD
Sample : Q1726-04DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

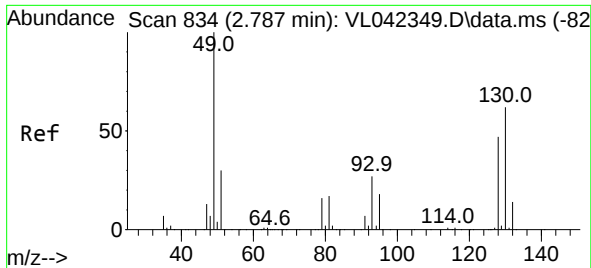
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL2

Quant Time: Apr 18 22:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

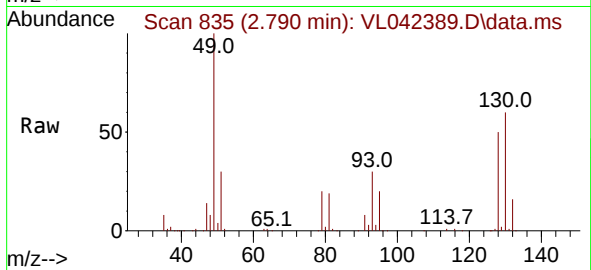
Reviewed By : Semsettin Yesilyurt 04/21/2025
Supervised By : Mahesh Dadoda 04/21/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

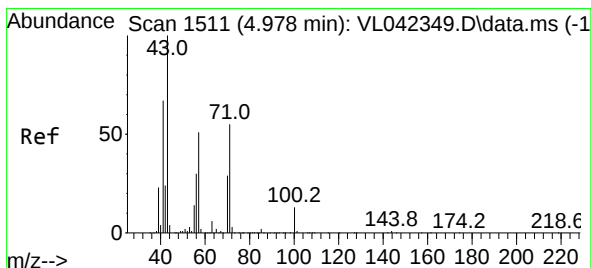
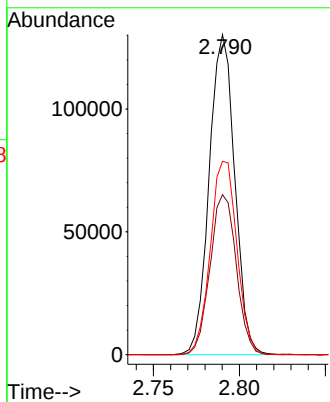
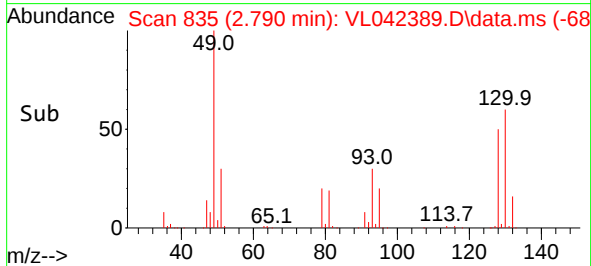
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL2



Tgt Ion: 49 Resp: 13450
Ion Ratio Lower Upper
49 100
128 51.5 22.8 68.4
130 63.0 29.3 88.0

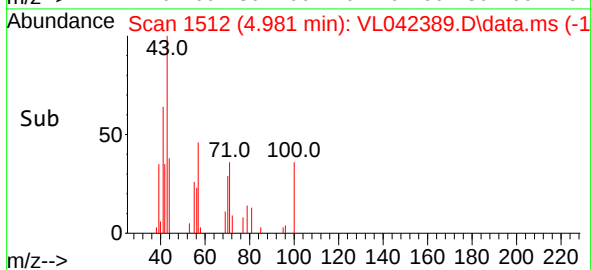
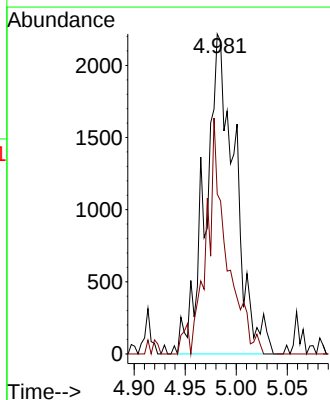
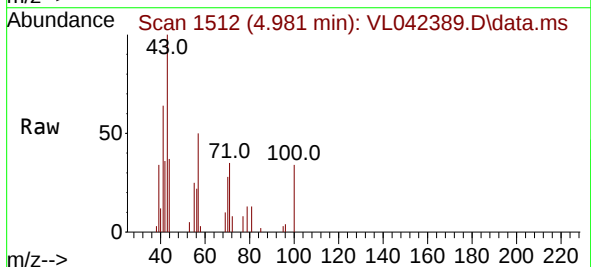
Manual Integrations
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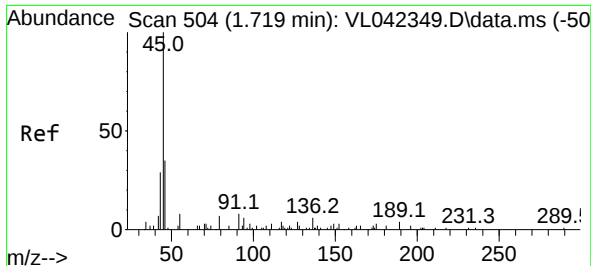
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#10
Heptane
Concen: 0.154 ppbv m
RT: 4.981 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

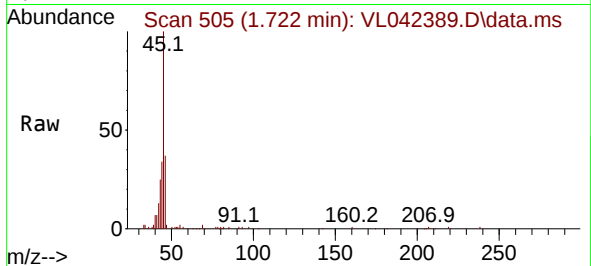
Tgt Ion: 43 Resp: 4460
Ion Ratio Lower Upper
43 100
57 50.9 39.9 59.9





#13
Ethanol
Concen: 5.878 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

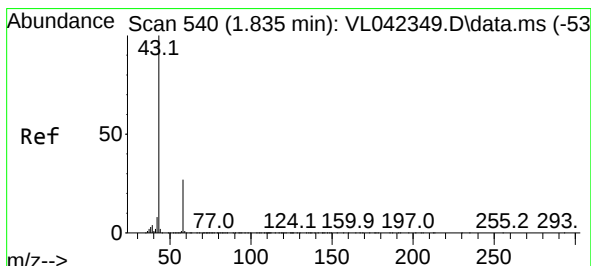
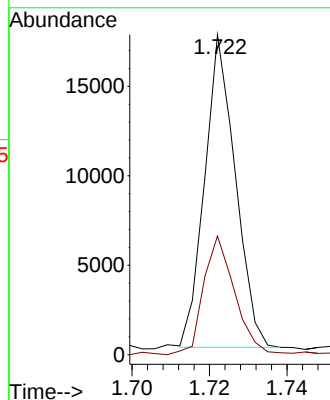
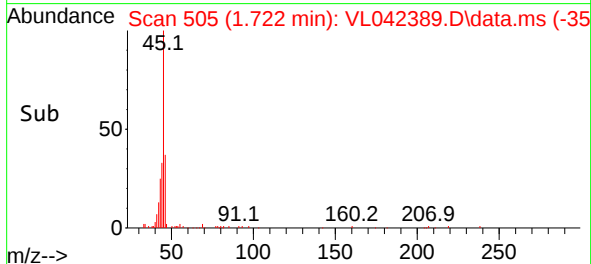
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL2



Tgt Ion: 45 Resp: 9628
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

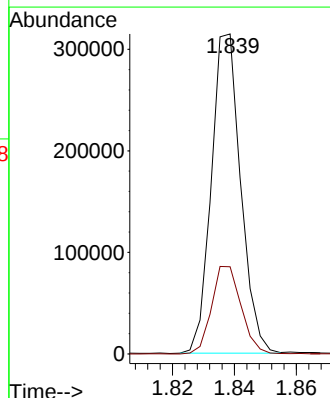
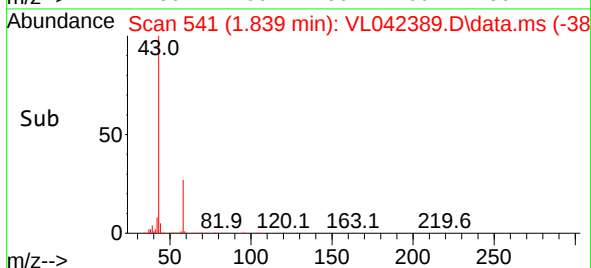
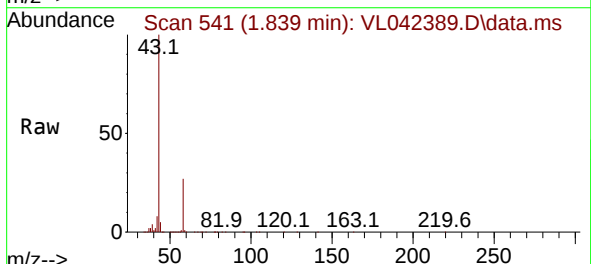
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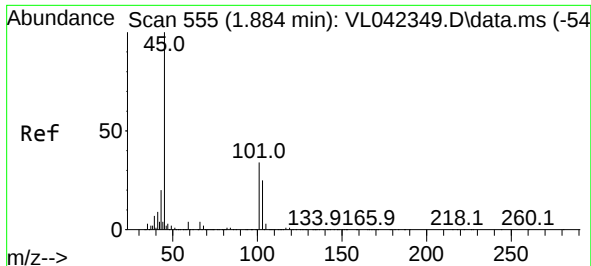
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#15
Acetone
Concen: 9.411 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

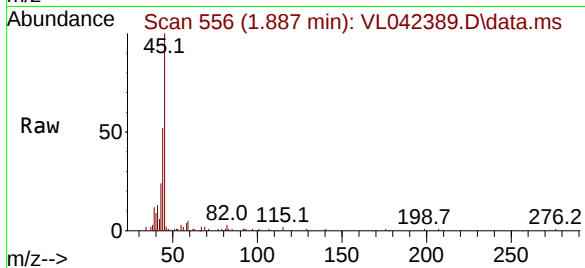
Tgt Ion: 43 Resp: 207223
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.644 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

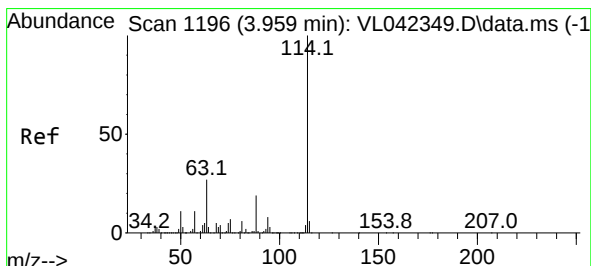
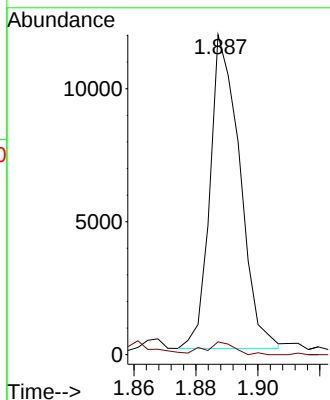
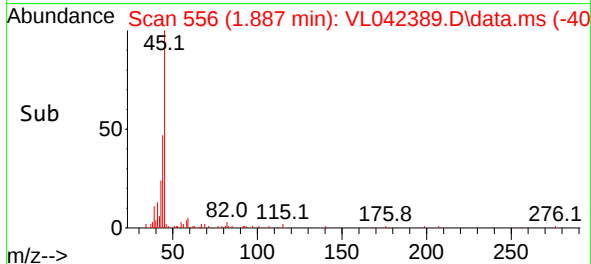
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL2



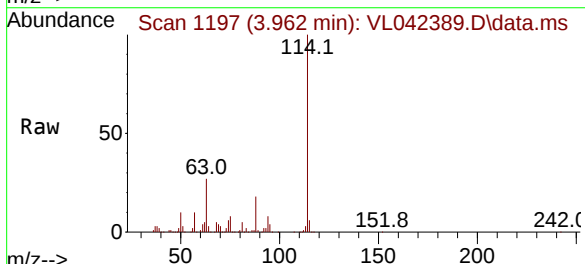
Tgt Ion: 45 Resp: 788
Ion Ratio Lower Upper
45 100
58 733.5 34.5 51.7

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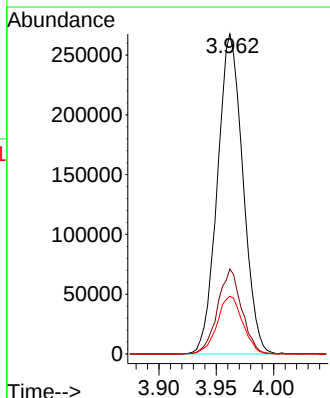
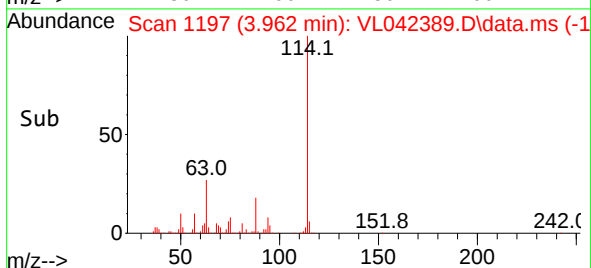
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025

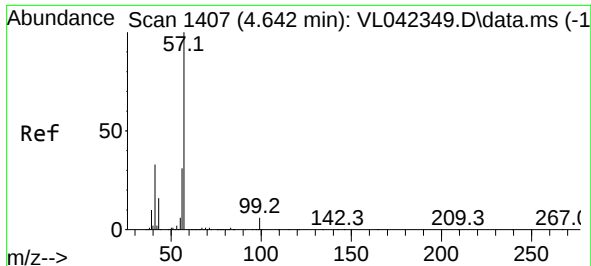


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43



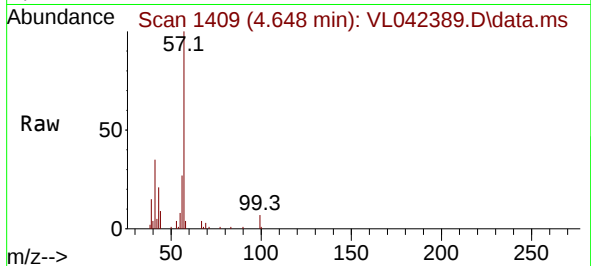
Tgt Ion:114 Resp: 412843
Ion Ratio Lower Upper
114 100
63 25.2 21.8 32.6
88 18.1 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.297 ppbv m
RT: 4.648 min Scan# 1407
Delta R.T. 0.006 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

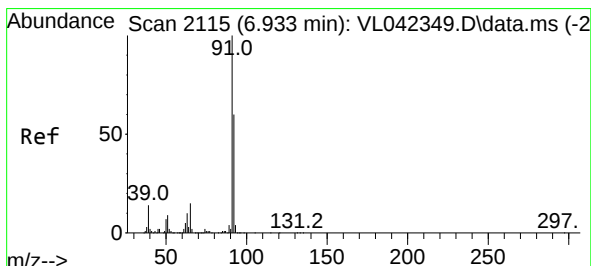
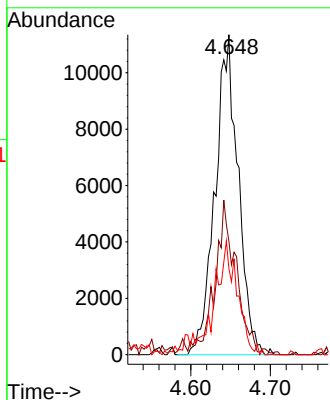
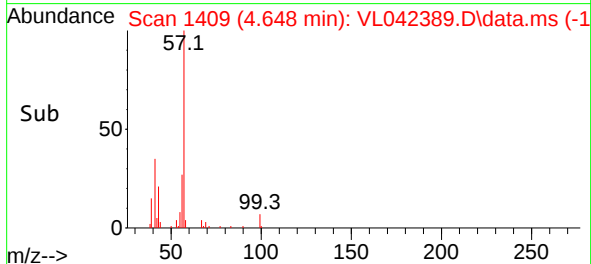
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL2



Tgt Ion: 57 Resp: 22870
Ion Ratio Lower Upper
57 100
41 46.4 27.2 40.8
56 0.0 25.7 38.5

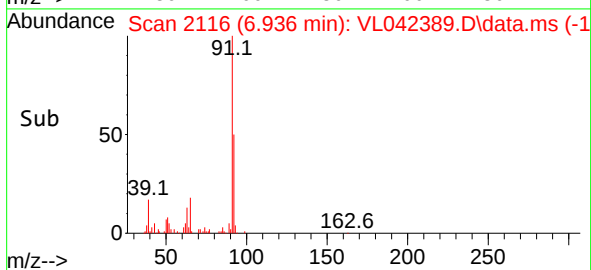
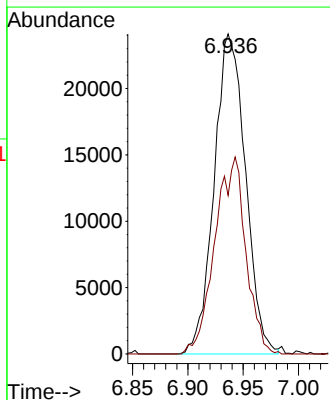
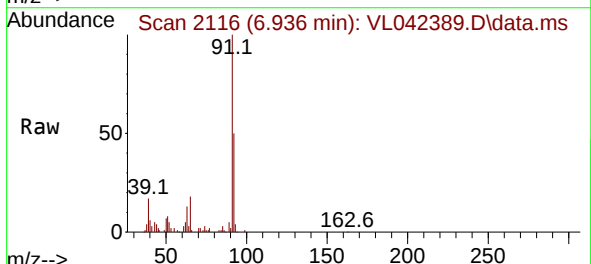
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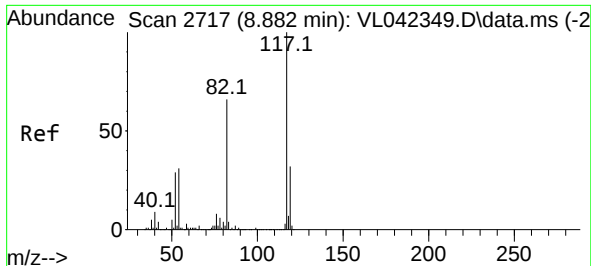
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#53
Toluene
Concen: 0.888 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

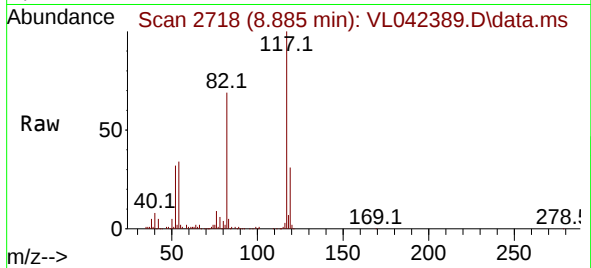
Tgt Ion: 91 Resp: 47465
Ion Ratio Lower Upper
91 100
92 61.0 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

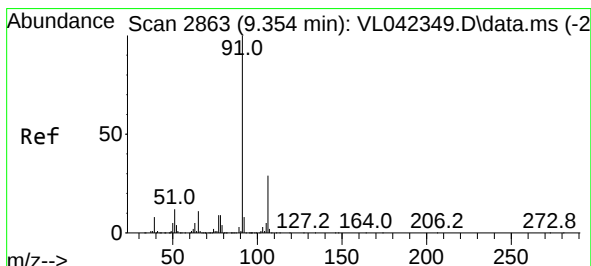
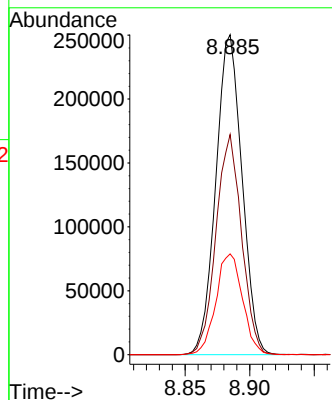
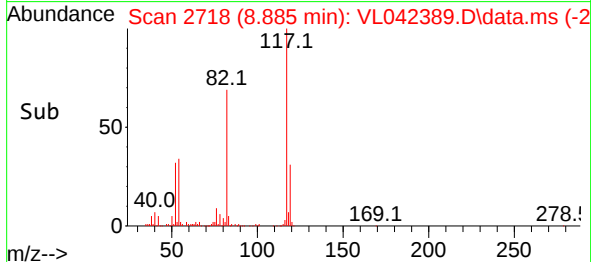
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL2



Tgt Ion: 117 Resp: 353048
Ion Ratio Lower Upper
117 100
82 67.1 57.8 86.6
119 32.1 25.2 37.8

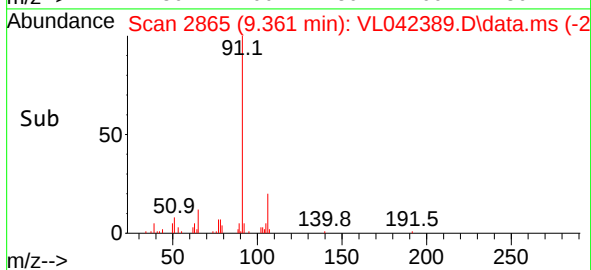
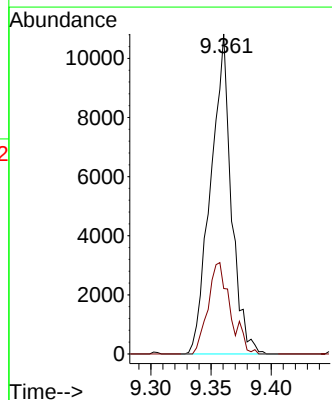
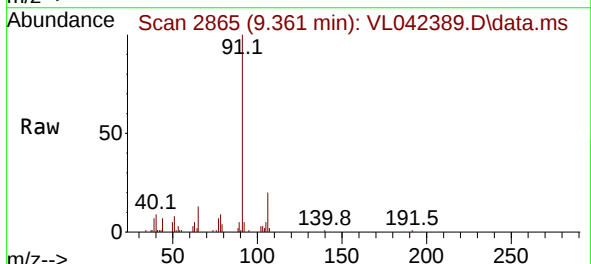
Manual Integrations
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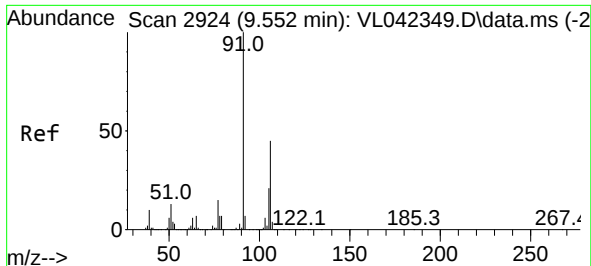
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#58
Ethyl Benzene
Concen: 0.185 ppbv m
RT: 9.361 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

Tgt Ion: 91 Resp: 12921
Ion Ratio Lower Upper
91 100
106 20.5 23.0 34.4#





#59

m/p-Xylene

Concen: 0.659 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL042389.D

Acq: 18 Apr 2025 13:43

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-5-03312025DL2

Tgt Ion: 91 Resp: 37128

Ion Ratio Lower Upper

91 100

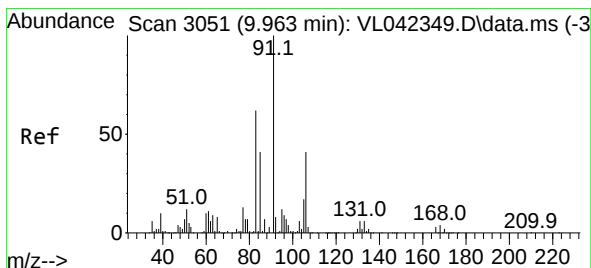
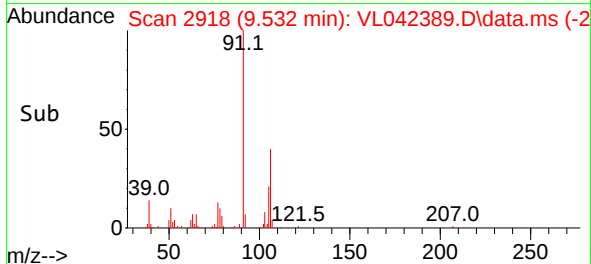
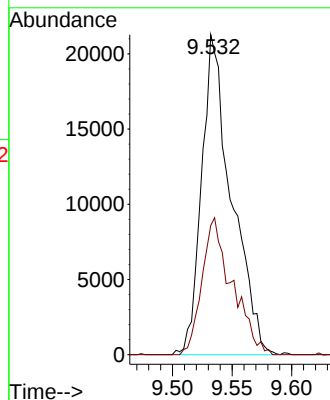
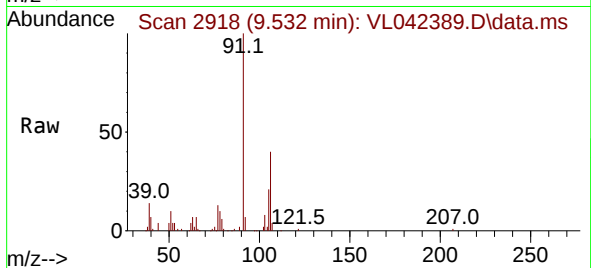
106 43.2 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2025

Supervised By :Mahesh Dadoda 04/21/2025



#60

o-Xylene

Concen: 0.254 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042389.D

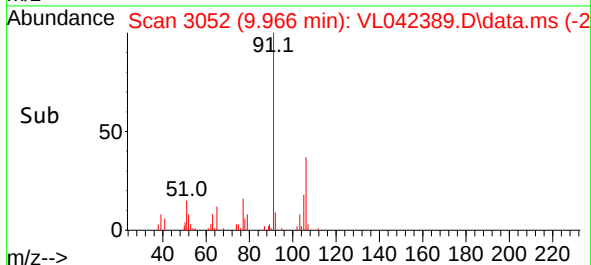
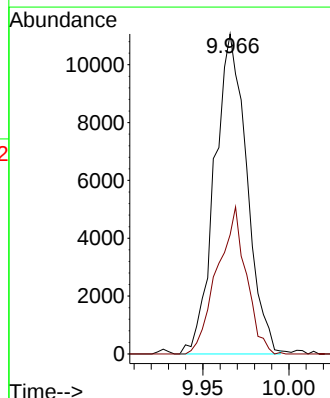
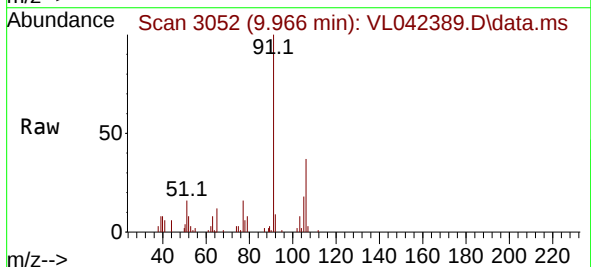
Acq: 18 Apr 2025 13:43

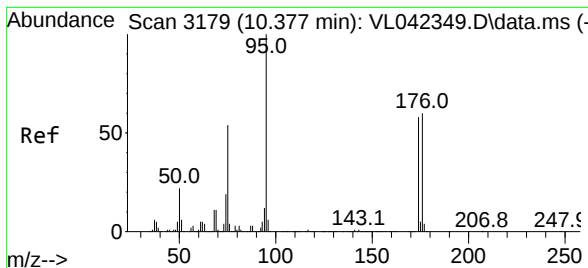
Tgt Ion: 91 Resp: 14405

Ion Ratio Lower Upper

91 100

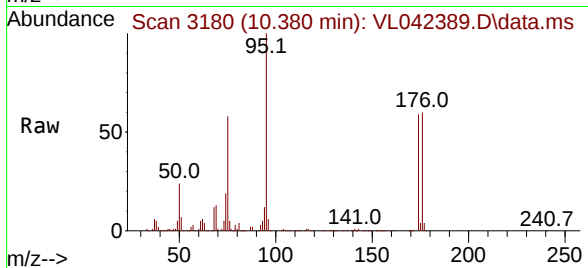
106 41.4 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.876 ppbv
RT: 10.380 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

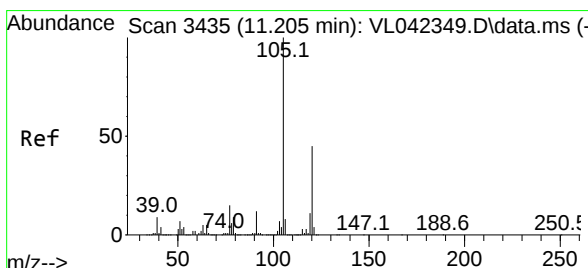
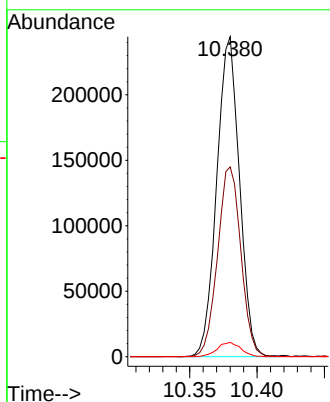
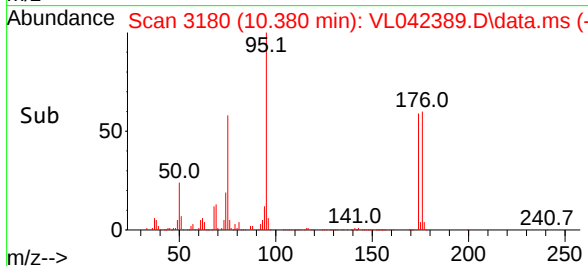
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL2



Tgt Ion: 95 Resp: 286509
Ion Ratio Lower Upper
95 100
174 60.9 48.5 72.7
175 4.6 3.7 5.5

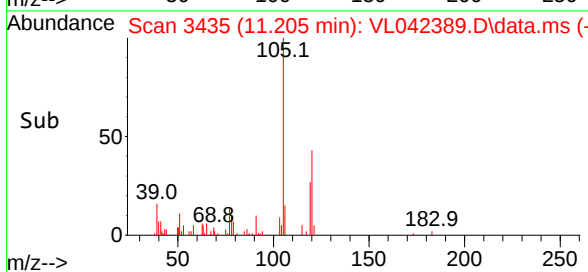
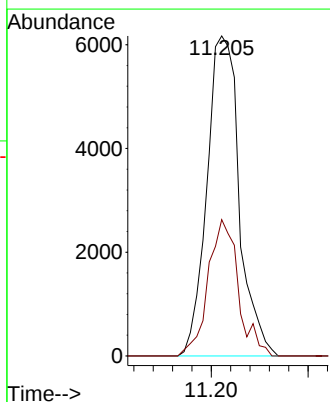
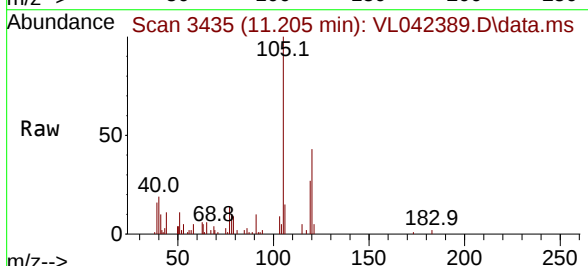
Manual Integrations
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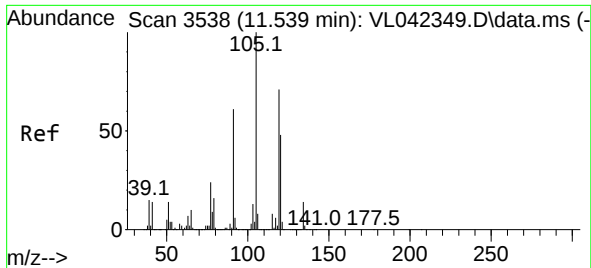
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#73
1,3,5-Trimethylbenzene
Concen: 0.117 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. -0.000 min
Lab File: VL042389.D
Acq: 18 Apr 2025 13:43

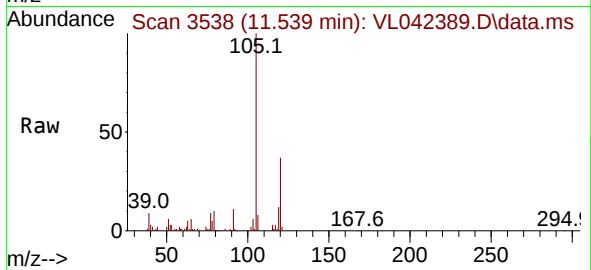
Tgt Ion:105 Resp: 7150
Ion Ratio Lower Upper
105 100
120 42.6 35.6 53.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.338 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. -0.000 min
 Lab File: VL042389.D
 Acq: 18 Apr 2025 13:43

Instrument : MSVOA_L
 ClientSampleId :
 IA-B2-5-03312025DL2



Tgt Ion:	105	Resp:	2421
Ion	Ratio	Lower	Upper
105	100		
120	37.1	38.1	57.1
91	11.2	48.8	73.2
77	9.1	19.0	28.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2025
 Supervised By :Mahesh Dadoda 04/21/2025

