

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042544.D
 Acq On : 14 May 2025 15:54
 Operator : SY/MD
 Sample : Q2037-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:36:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	137653	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.962	114	397066	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	349633	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	293760	9.656	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.476	51	3300m	0.145	ppbv	
15) Acetone	1.839	43	23132	1.043	ppbv	98
20) Methylene Chloride	2.065	84	2692	0.351	ppbv #	85
26) Hexane	2.826	57	9406	0.593	ppbv #	37
34) 2-Butanone	2.560	43	9156	0.350	ppbv	96
53) Toluene	6.943	91	7444m	0.216	ppbv	
58) Ethyl Benzene	9.357	91	5927	0.124	ppbv	91
59) m/p-Xylene	9.532	91	14563	0.344	ppbv #	100
60) o-Xylene	9.969	91	10124	0.245	ppbv	98
64) n-propylbenzene	10.989	120	3141m	0.199	ppbv	
72) 4-Ethyltoluene	11.128	105	6298	0.123	ppbv #	58
73) 1,3,5-Trimethylbenzene	11.205	105	9651	0.216	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	17344	0.316	ppbv #	65

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

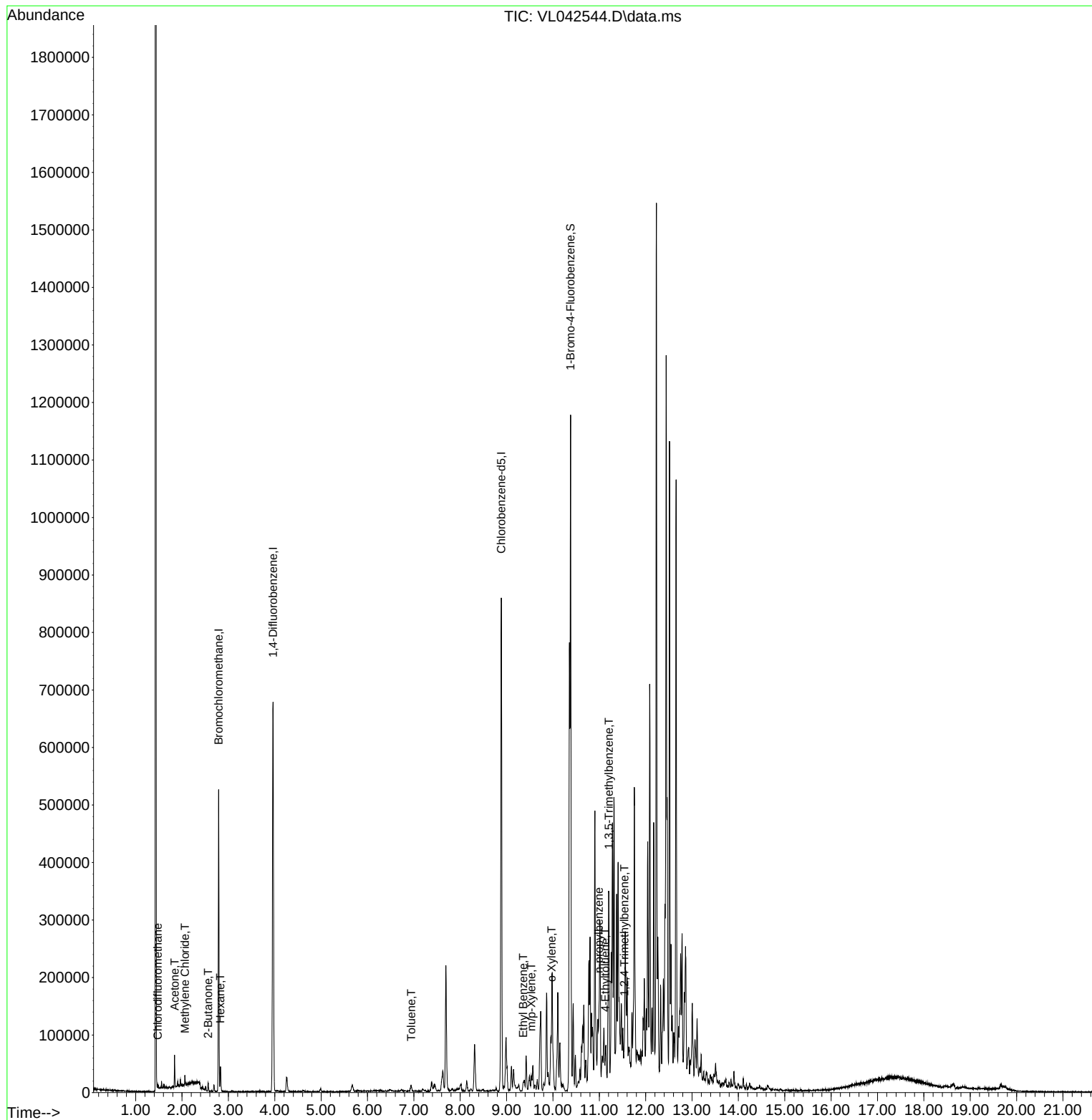
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
Data File : VL042544.D
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Misc : 400mL/MSVOA_L
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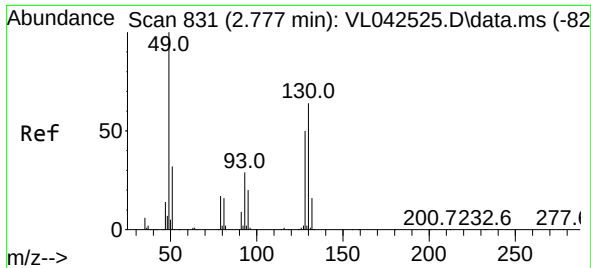
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:36:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue May 13 02:07:03 2025
Response via : Initial Calibration





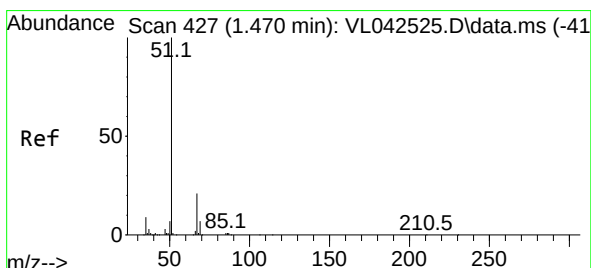
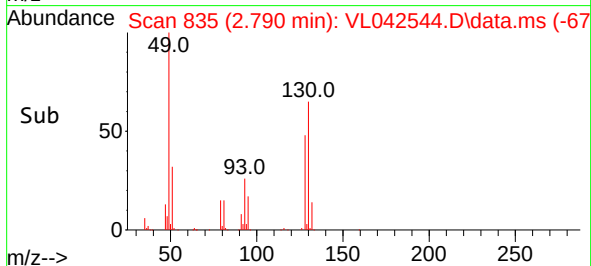
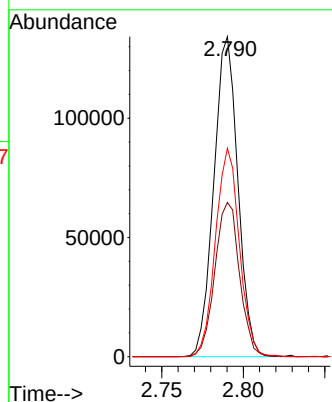
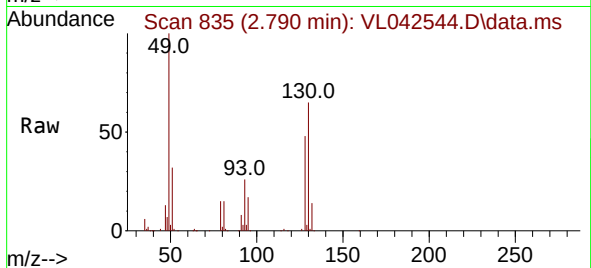
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 13765
Ion Ratio Lower Upper
49 100
128 49.5 24.9 74.6
130 64.7 32.5 97.5

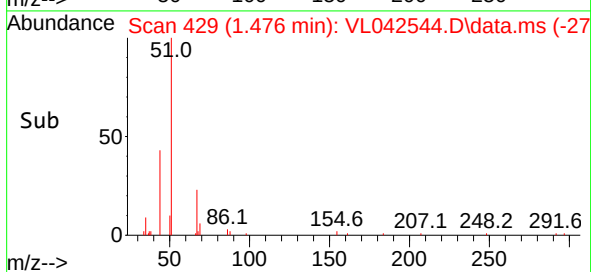
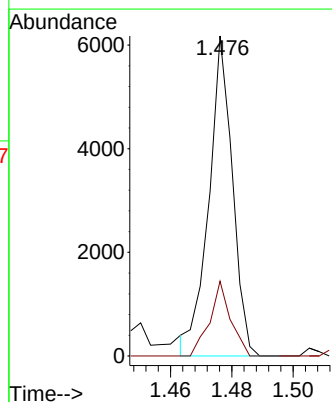
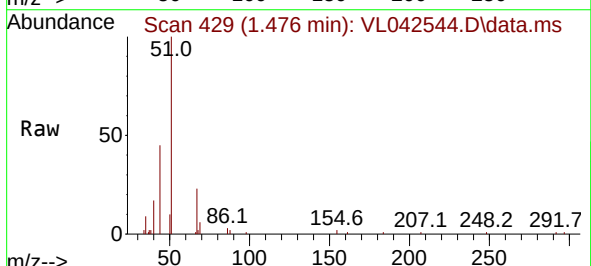
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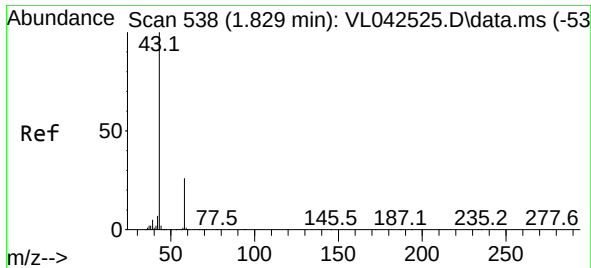
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#3
Chlorodifluoromethane
Concen: 0.145 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. 0.006 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Tgt Ion: 51 Resp: 3300
Ion Ratio Lower Upper
51 100
67 20.6 17.4 26.0





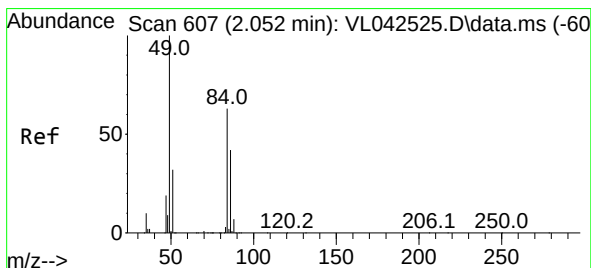
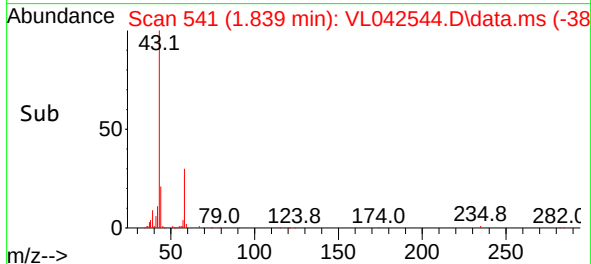
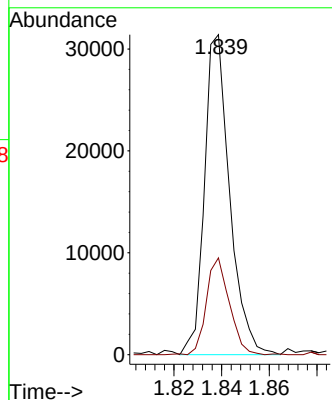
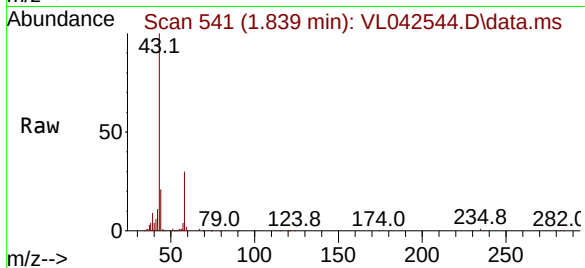
#15
Acetone
Concen: 1.043 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.010 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
58 27.8 21.3 31.9

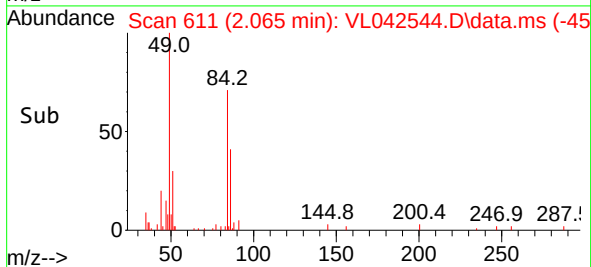
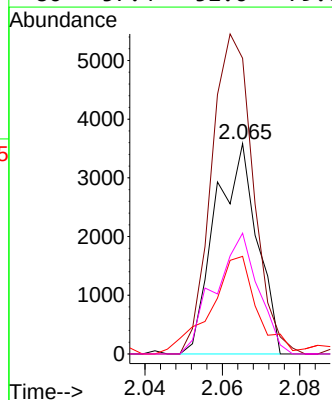
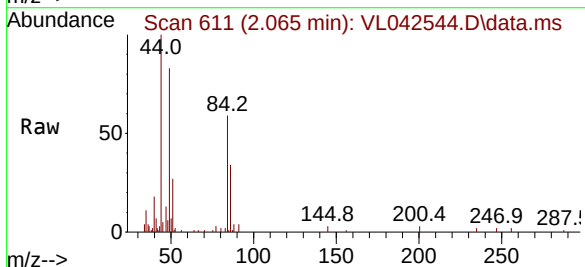
Manual Integrations
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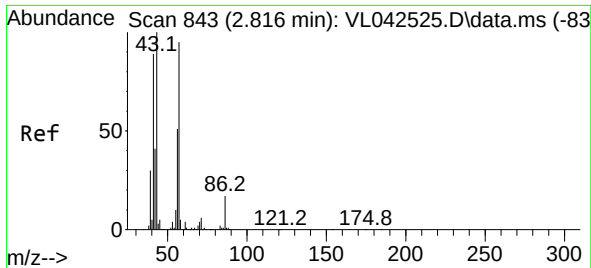
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#20
Methylene Chloride
Concen: 0.351 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

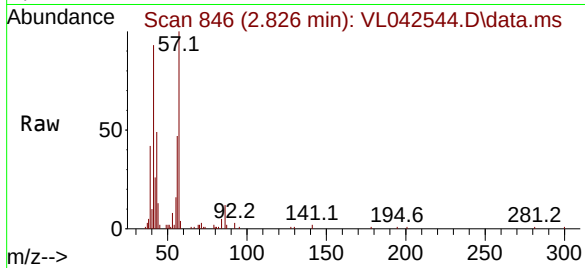
Tgt Ion: 84 Resp: 2692
Ion Ratio Lower Upper
84 100
49 140.5 128.2 192.4
51 39.1 41.7 62.5#
86 57.4 52.6 79.0





#26
Hexane
Concen: 0.593 ppbv
RT: 2.826 min Scan# 843
Delta R.T. 0.010 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

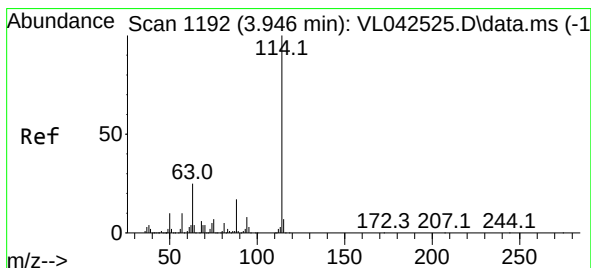
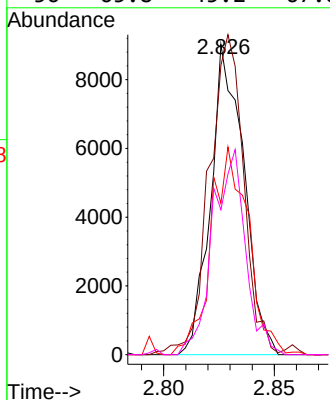
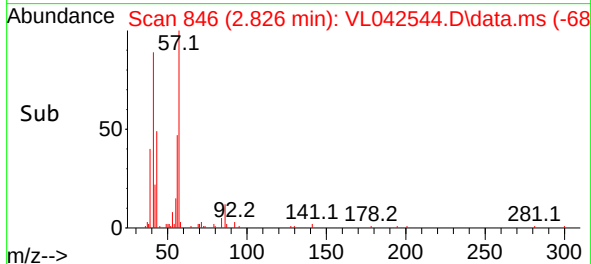
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



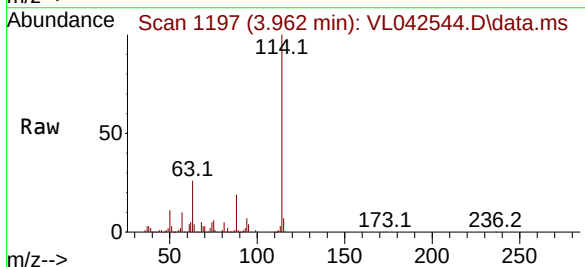
Tgt Ion: 57 Resp: 9400
Ion Ratio Lower Upper
57 100
41 108.4 76.1 114.1
43 77.1 188.9 283.3
56 65.8 45.2 67.8

Manual Integrations
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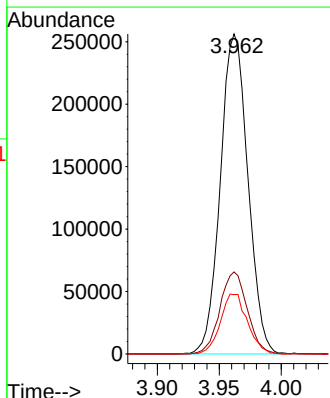
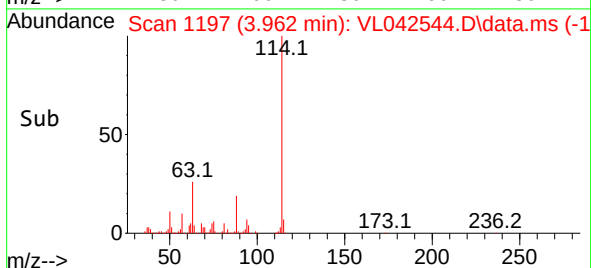
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

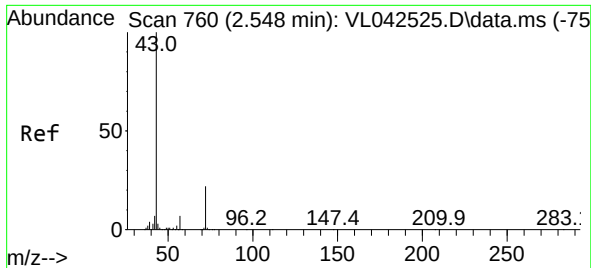


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.016 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54



Tgt Ion:114 Resp: 397066
Ion Ratio Lower Upper
114 100
63 25.5 20.4 30.6
88 18.4 14.5 21.7





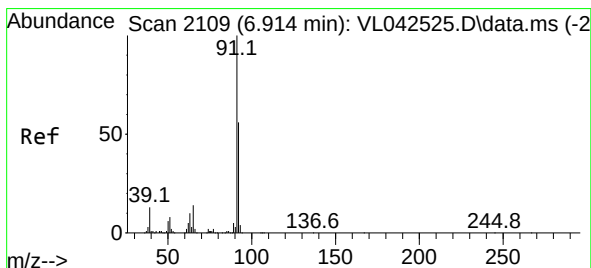
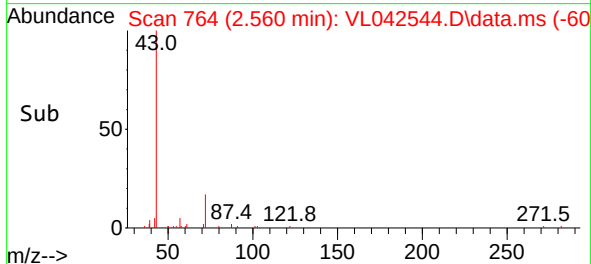
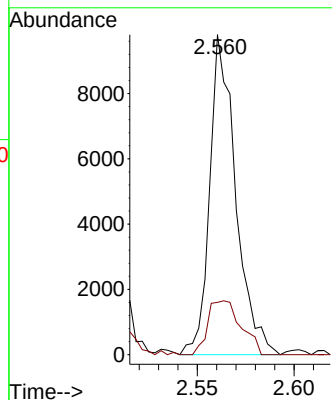
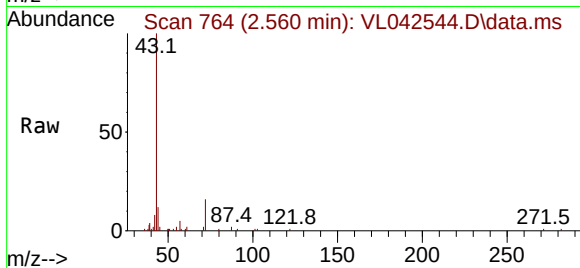
#34
2-Butanone
Concen: 0.350 ppbv
RT: 2.560 min Scan# 760
Delta R.T. 0.013 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 9150
Ion Ratio Lower Upper
43 100
72 21.6 18.7 28.1

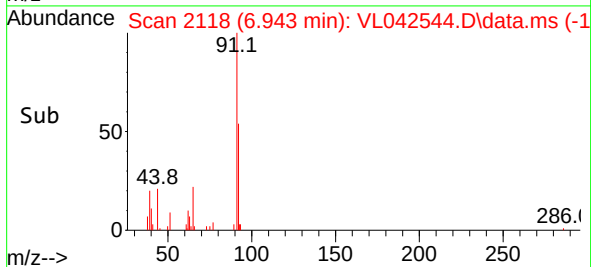
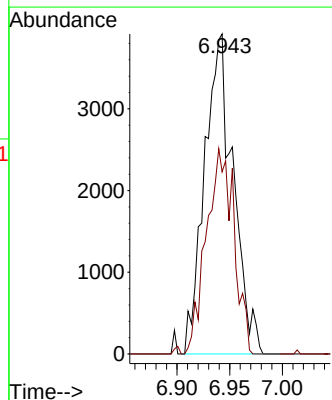
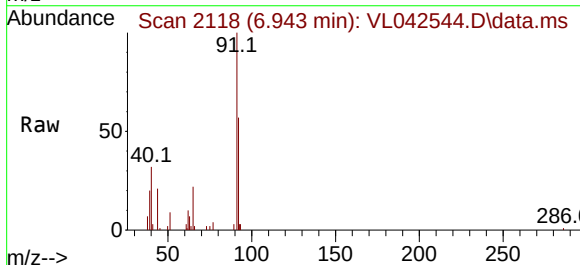
Manual Integrations
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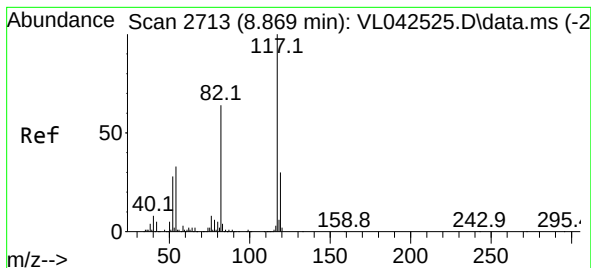
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#53
Toluene
Concen: 0.216 ppbv m
RT: 6.943 min Scan# 2118
Delta R.T. 0.029 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Tgt Ion: 91 Resp: 7444
Ion Ratio Lower Upper
91 100
92 61.9 47.8 71.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2713

Delta R.T. 0.016 min

Lab File: VL042544.D

Acq: 14 May 2025 15:54

Instrument :

MSVOA_L

ClientSampleId :

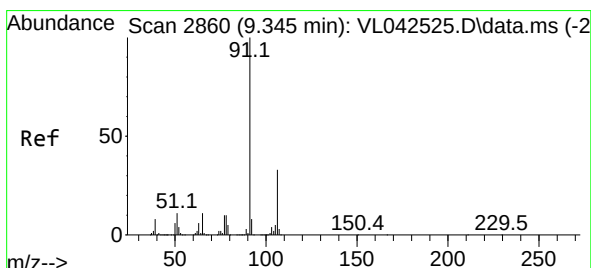
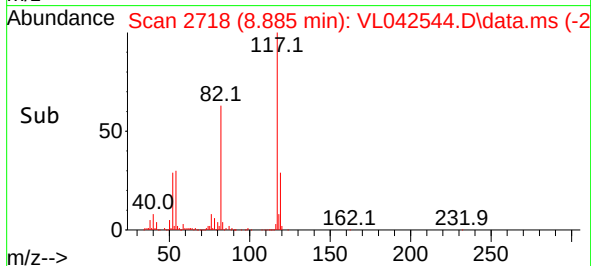
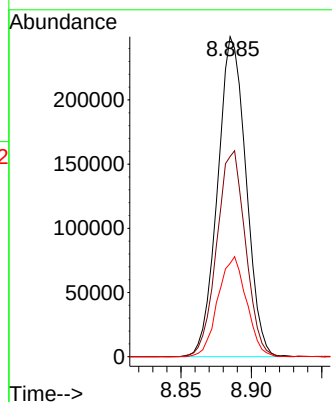
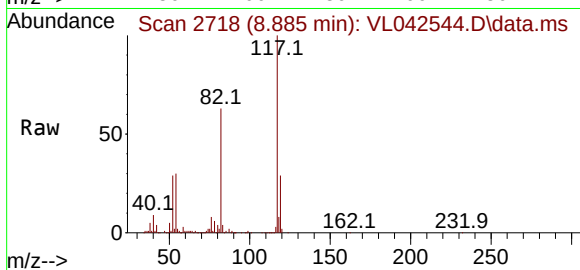
SV1DL

Tgt Ion:	117	Resp:	34963
Ion Ratio	Lower	Upper	
117	100		
82	65.2	55.0	82.4
119	31.5	25.8	38.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#58

Ethyl Benzene

Concen: 0.124 ppbv

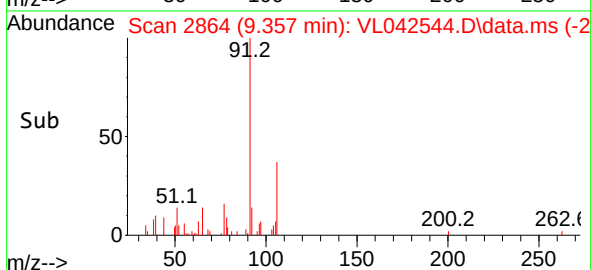
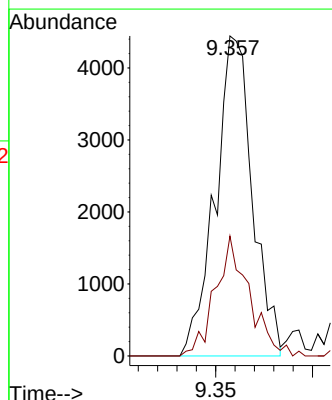
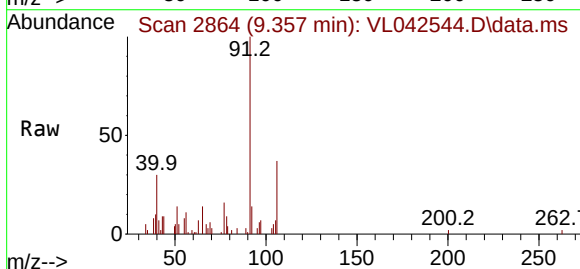
RT: 9.357 min Scan# 2864

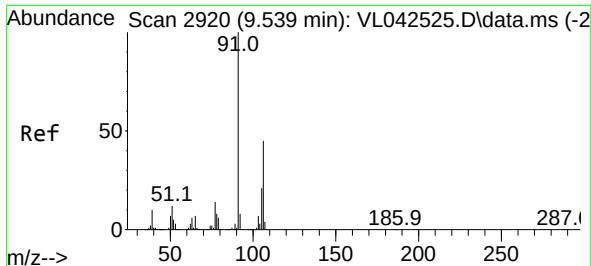
Delta R.T. 0.013 min

Lab File: VL042544.D

Acq: 14 May 2025 15:54

Tgt Ion:	91	Resp:	5927
Ion Ratio	Lower	Upper	
91	100		
106	37.5	26.0	39.0





#59

m/p-Xylene

Concen: 0.344 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.007 min

Lab File: VL042544.D

Acq: 14 May 2025 15:54

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 91 Resp: 1456

Ion Ratio Lower Upper

91 100

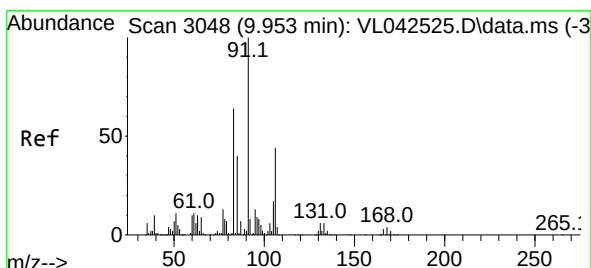
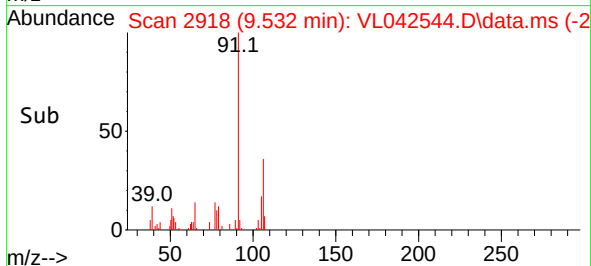
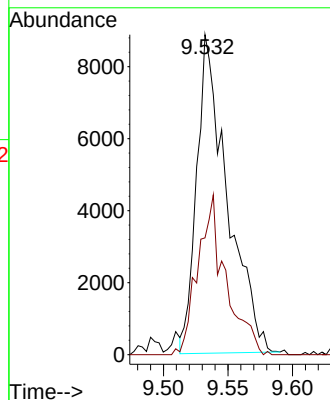
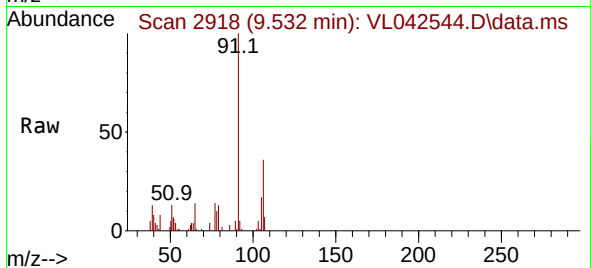
106 45.9 0.0 0.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#60

o-Xylene

Concen: 0.245 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.016 min

Lab File: VL042544.D

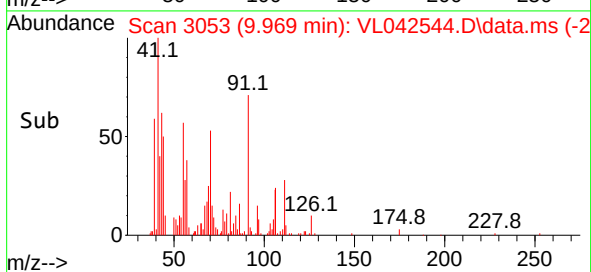
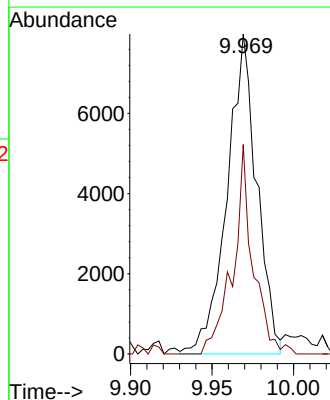
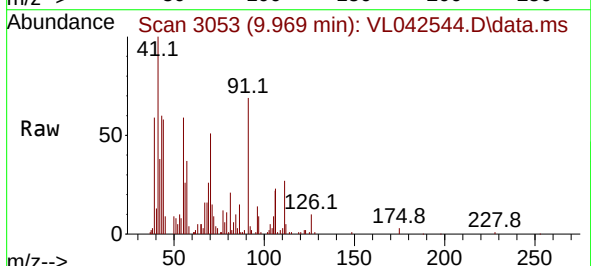
Acq: 14 May 2025 15:54

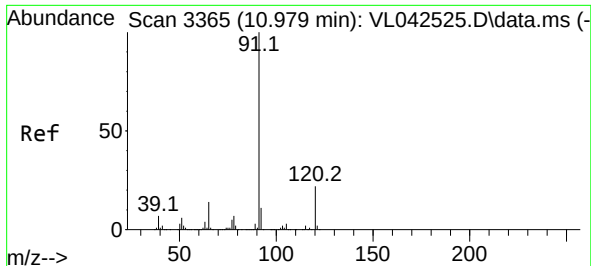
Tgt Ion: 91 Resp: 10124

Ion Ratio Lower Upper

91 100

106 44.2 21.6 64.6





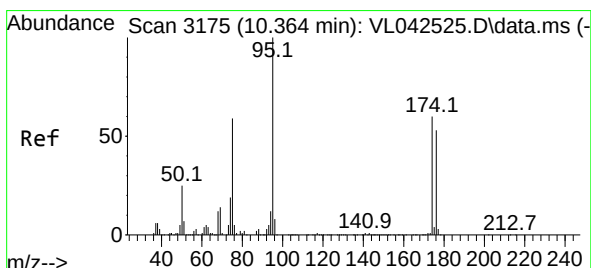
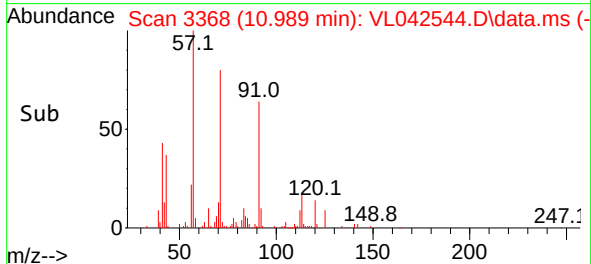
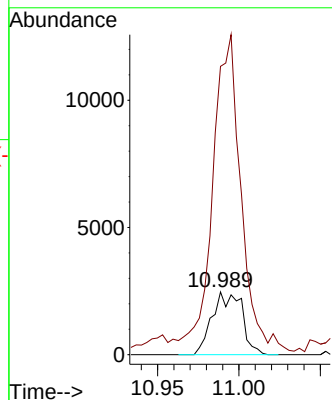
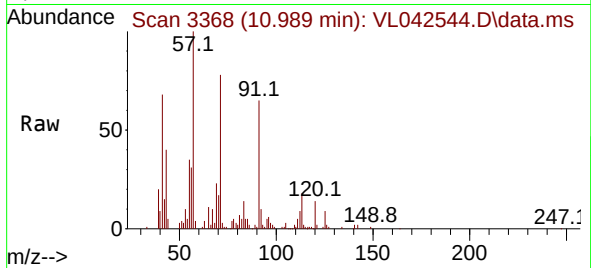
#64
n-propylbenzene
Concen: 0.199 ppbv m
RT: 10.989 min Scan# 314
Delta R.T. 0.010 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:120 Resp: 314
Ion Ratio Lower Upper
120 100
91 508.9 377.7 566.5

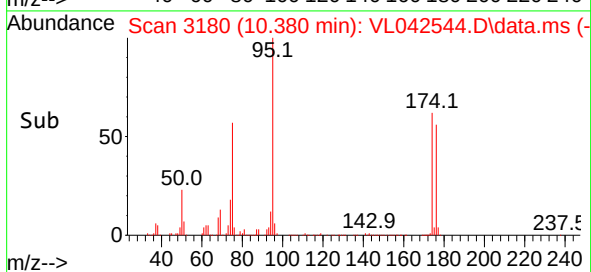
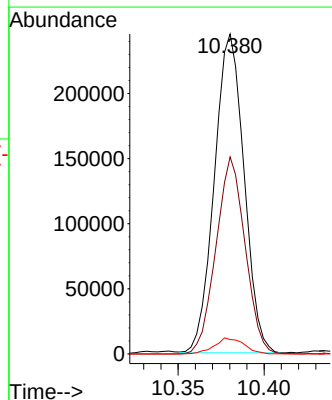
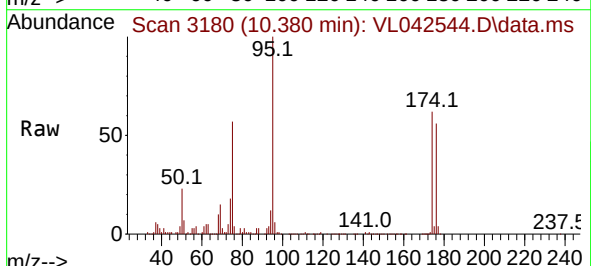
Manual Integrations
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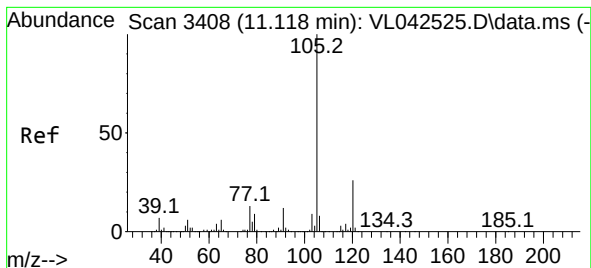
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.656 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.016 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Tgt Ion: 95 Resp: 293760
Ion Ratio Lower Upper
95 100
174 60.5 48.0 72.0
175 5.0 3.5 5.3





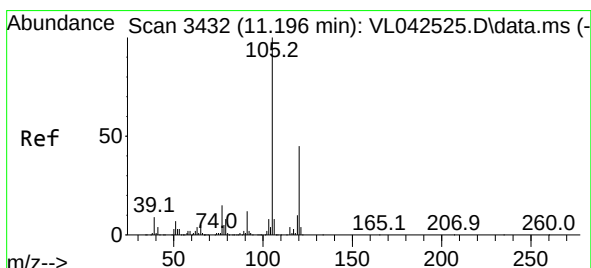
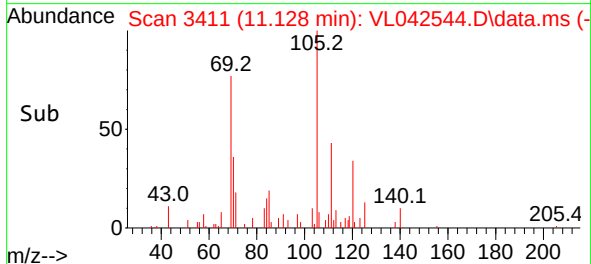
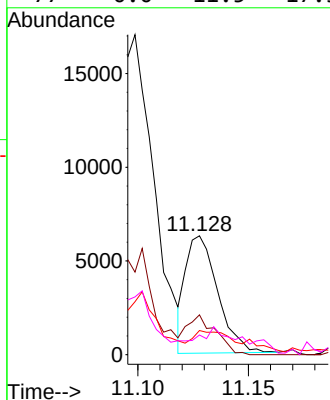
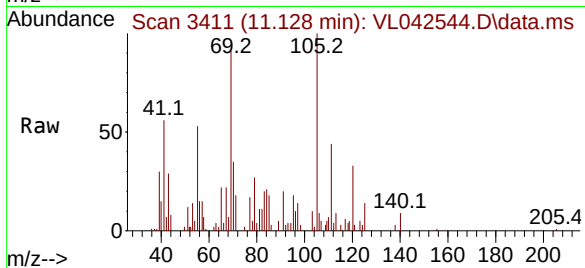
#72
4-Ethyltoluene
Concen: 0.123 ppbv
RT: 11.128 min Scan# 3408
Delta R.T. 0.010 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:105 Resp: 6298
Ion Ratio Lower Upper
105 100
120 0.0 22.9 34.3
91 22.9 10.9 16.3
77 0.0 11.5 17.3#

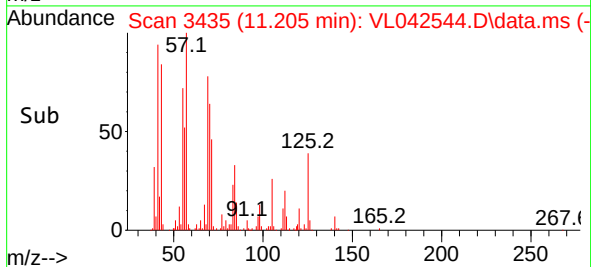
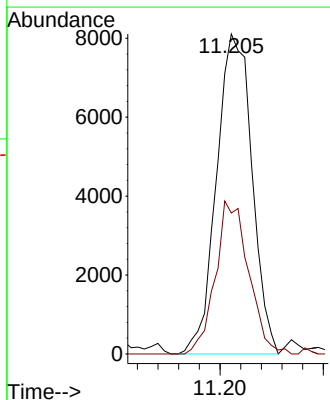
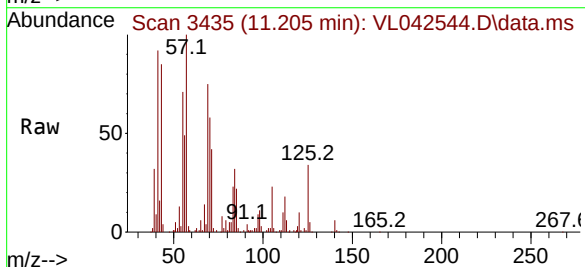
Manual Integrations
APPROVED

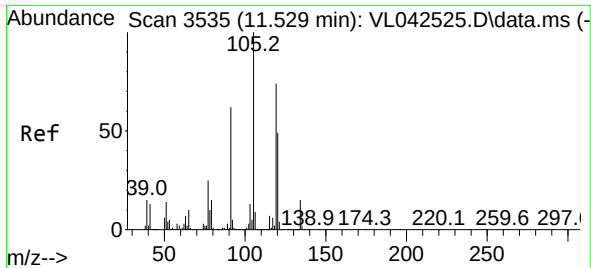
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#73
1,3,5-Trimethylbenzene
Concen: 0.216 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. 0.010 min
Lab File: VL042544.D
Acq: 14 May 2025 15:54

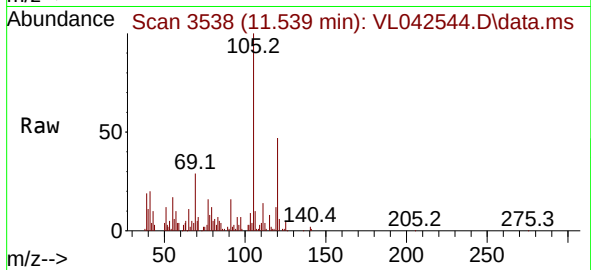
Tgt Ion:105 Resp: 9651
Ion Ratio Lower Upper
105 100
120 44.1 36.0 54.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.316 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.010 min
 Lab File: VL042544.D
 Acq: 14 May 2025 15:54

Instrument : MSVOA_L
 ClientSampleId : SV1DL



Tgt Ion:	105	Resp:	17344
Ion Ratio	Lower	Upper	
105	100		
120	46.1	39.0	58.6
91	13.9	49.4	74.2
77	9.6	19.8	29.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

