

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042379.D
 Acq On : 18 Apr 2025 03:03
 Operator : SY/MD
 Sample : Q1726-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 04:41:12 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	2.784	49	92518	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	260556	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	221578	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	188260	10.339	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	1792	0.253	ppbv #	15
10) Heptane	4.972	43	9319m	0.468	ppbv	
13) Ethanol	1.719	45	18982	16.847	ppbv	84
15) Acetone	1.832	43	401815	26.530	ppbv	100
19) Isopropyl Alcohol	1.887	45	15229	1.810	ppbv #	1
36) Benzene	3.651	78	3444m	0.123	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	51174m	1.054	ppbv	
53) Toluene	6.930	91	98263	2.914	ppbv	98
58) Ethyl Benzene	9.354	91	27028	0.616	ppbv	93
59) m/p-Xylene	9.526	91	79744	2.255	ppbv	100
60) o-Xylene	9.963	91	29832	0.838	ppbv	96
64) n-propylbenzene	10.986	120	2879m	0.219	ppbv	
72) 4-Ethyltoluene	11.125	105	12986	0.298	ppbv #	63
73) 1,3,5-Trimethylbenzene	11.202	105	15149	0.394	ppbv	94
74) 1,2,4-Trimethylbenzene	11.536	105	50354	1.122	ppbv #	62

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

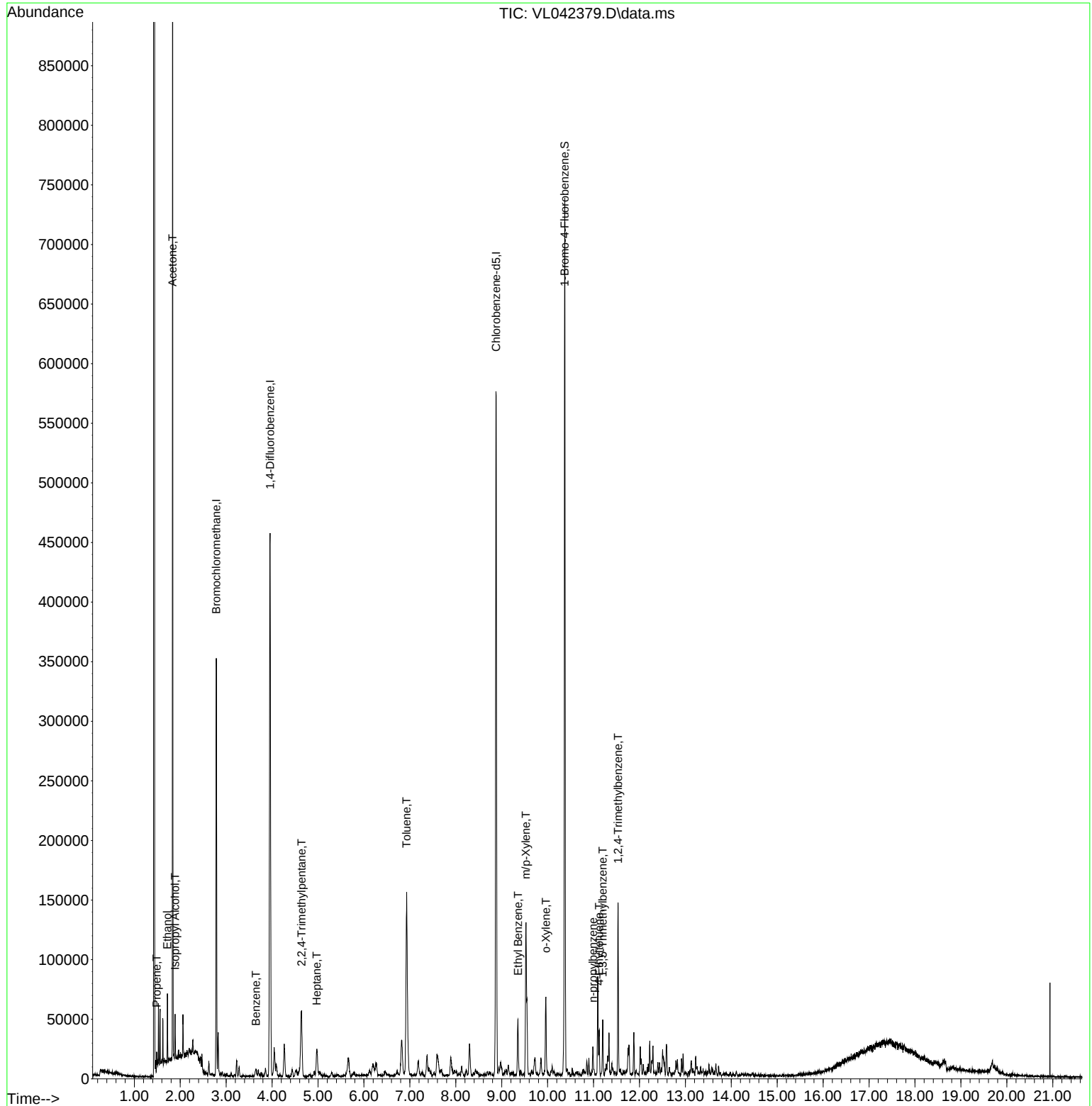
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042379.D
Acq On : 18 Apr 2025 03:03
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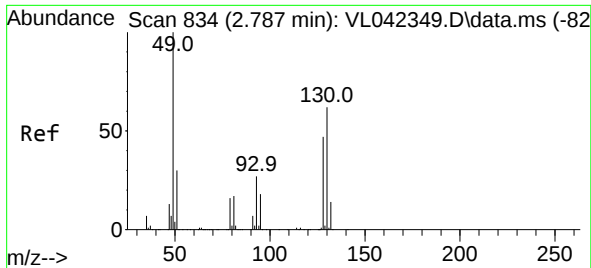
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL

Quant Time: Apr 18 04:41:12 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

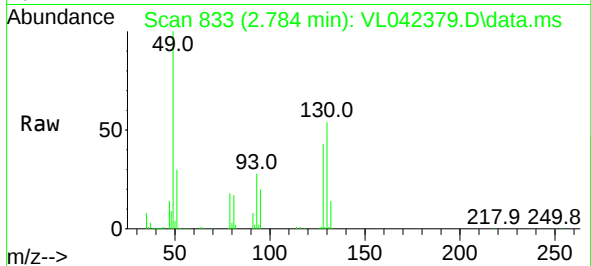
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

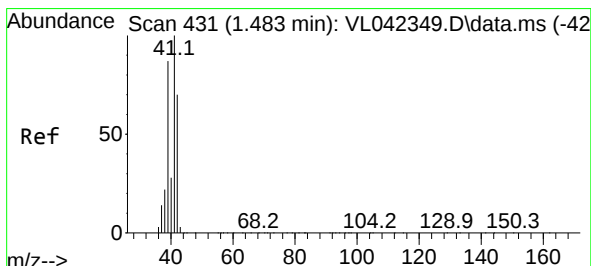
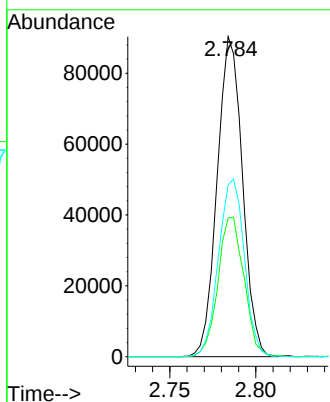
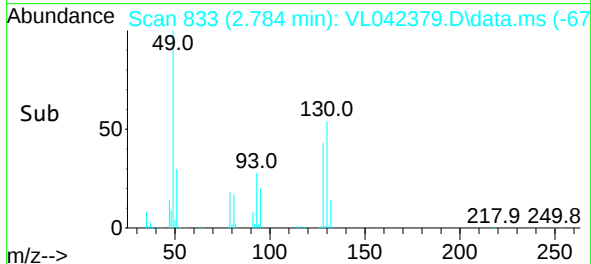
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL



Tgt Ion: 49 Resp: 92518
Ion Ratio Lower Upper
49 100
128 44.8 22.8 68.4
130 56.6 29.3 88.0

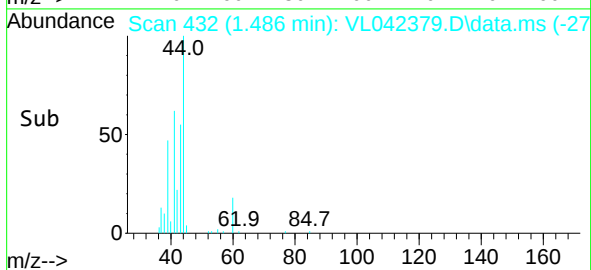
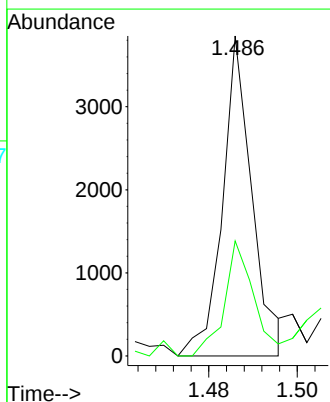
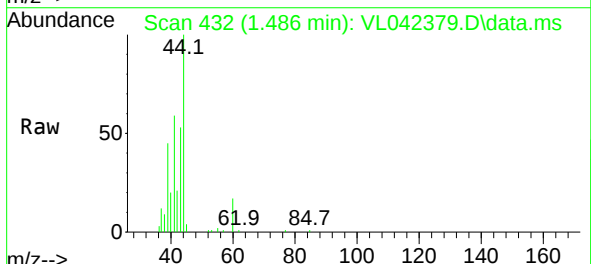
Manual Integrations
APPROVED

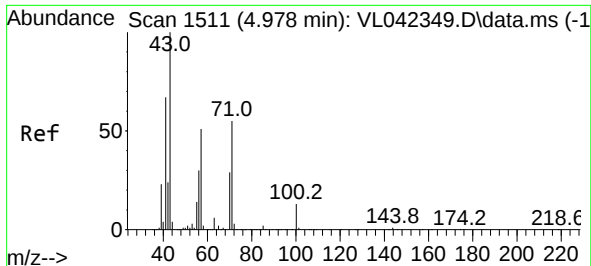
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#9
Propene
Concen: 0.253 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

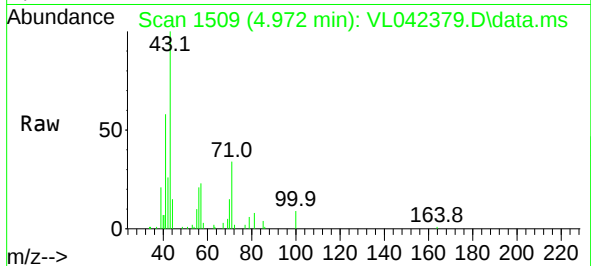
Tgt Ion: 41 Resp: 1792
Ion Ratio Lower Upper
41 100
42 0.0 56.2 84.4#





#10
Heptane
Concen: 0.468 ppbv m
RT: 4.972 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

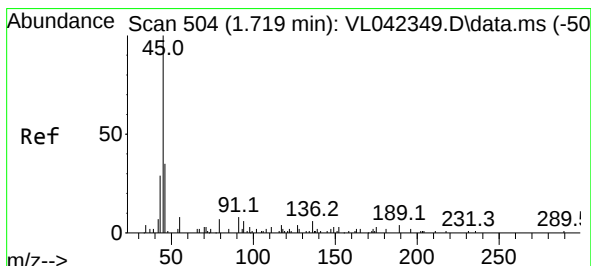
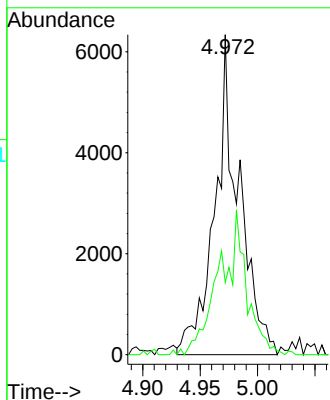
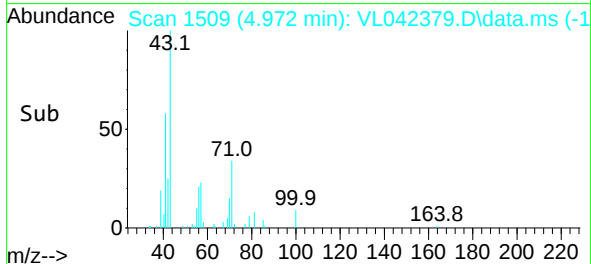
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IA-B2-5-03312025DL



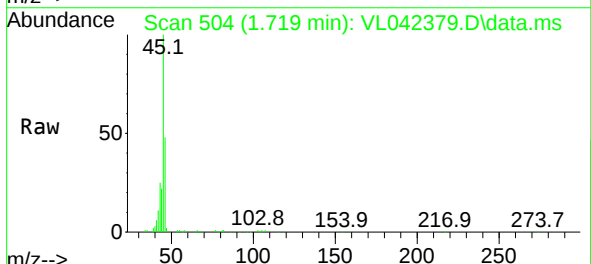
Tgt Ion: 43 Resp: 9319
Ion Ratio Lower Upper
43 100
57 0.0 39.9 59.9

Manual Integrations
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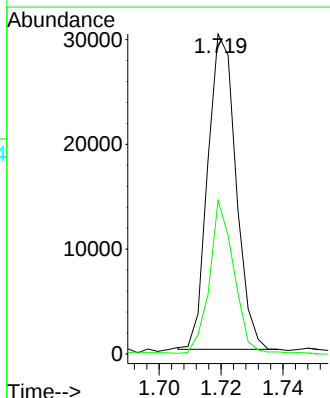
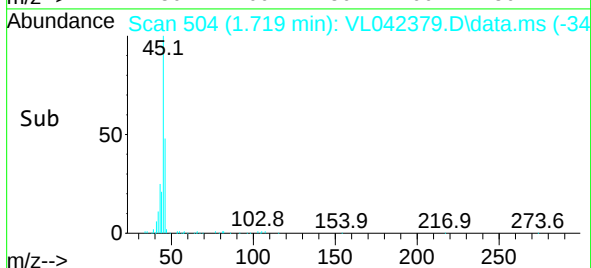
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

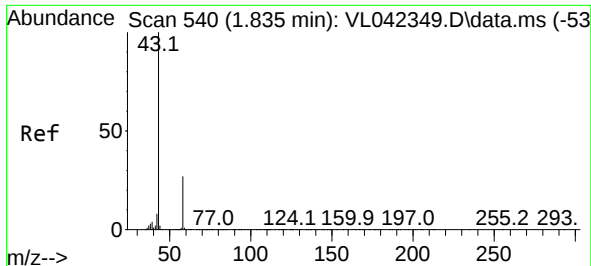


#13
Ethanol
Concen: 16.847 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03



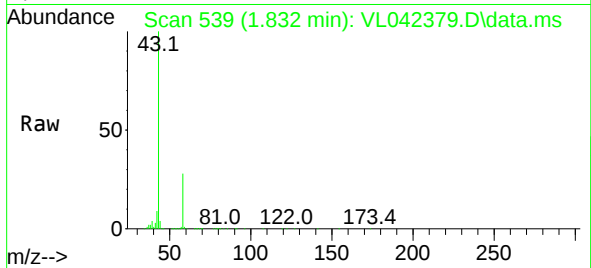
Tgt Ion: 45 Resp: 18982
Ion Ratio Lower Upper
45 100
46 43.4 21.9 87.7





#15
Acetone
Concen: 26.530 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

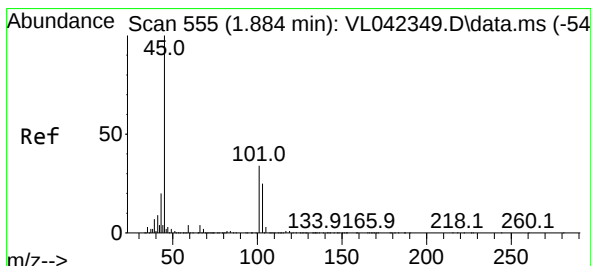
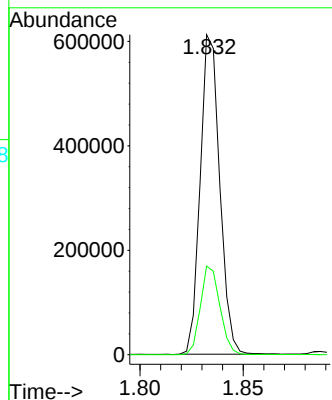
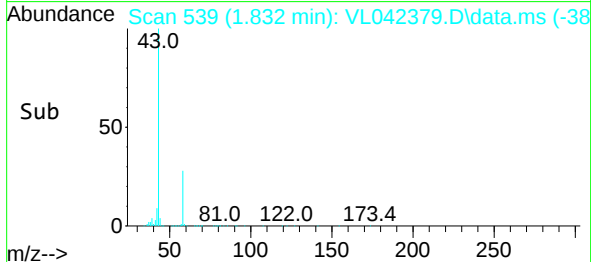
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL



Tgt Ion: 43 Resp: 401815
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6

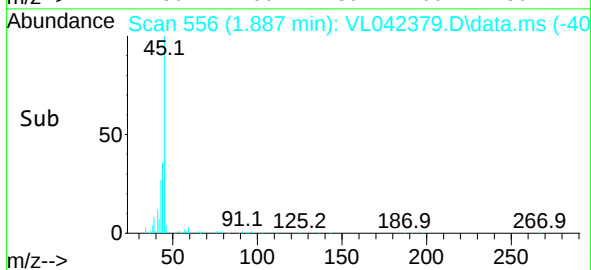
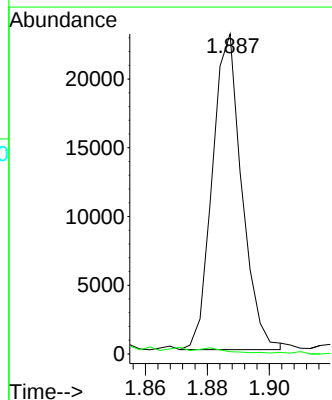
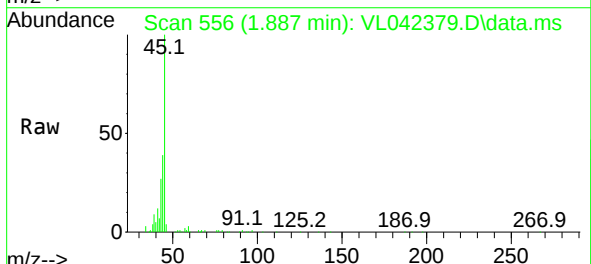
Manual Integrations
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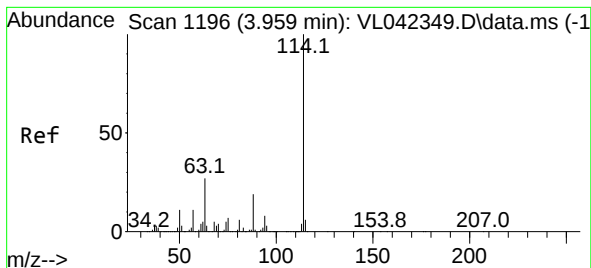
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#19
Isopropyl Alcohol
Concen: 1.810 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

Tgt Ion: 45 Resp: 15229
Ion Ratio Lower Upper
45 100
58 737.4 34.5 51.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.003 min

Lab File: VL042379.D

Acq: 18 Apr 2025 03:03

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-5-03312025DL

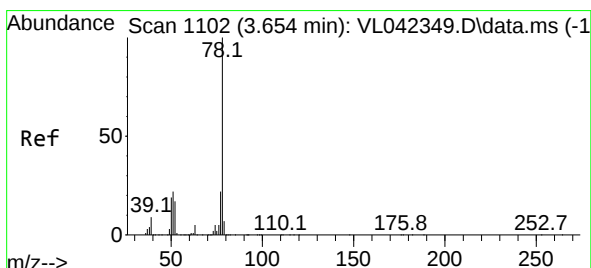
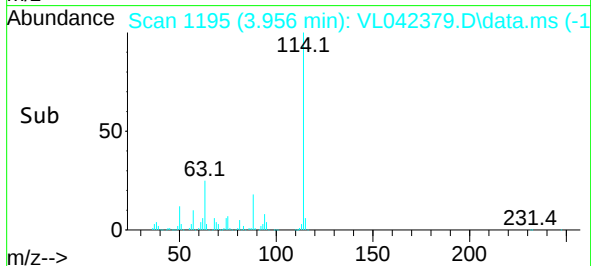
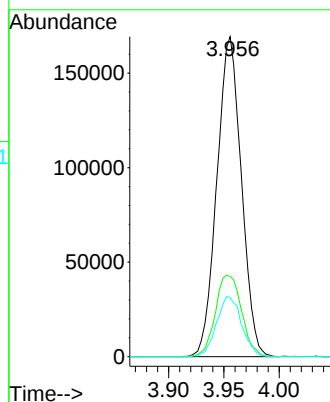
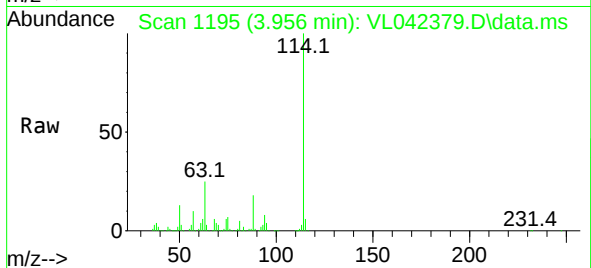
Tgt Ion:114	Resp: 26055
Ion Ratio	Lower Upper
114 100	
63 27.2	21.8 32.6
88 19.2	15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#36

Benzene

Concen: 0.123 ppbv m

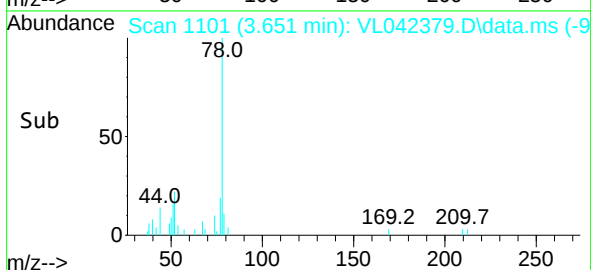
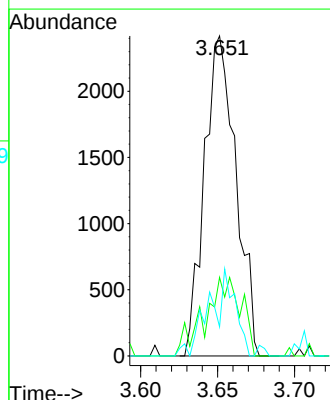
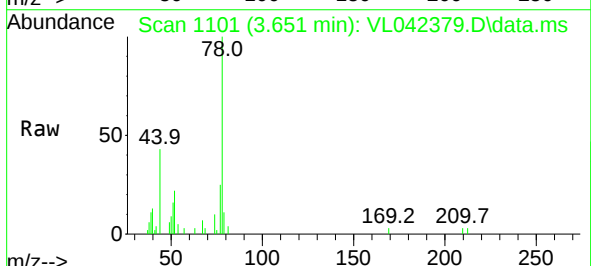
RT: 3.651 min Scan# 1101

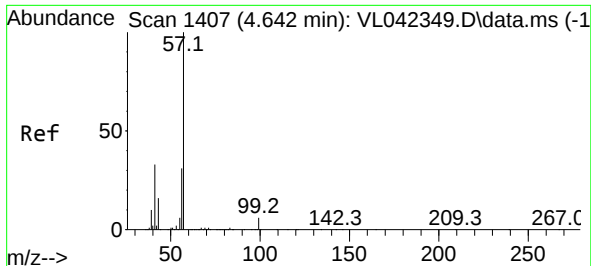
Delta R.T. -0.003 min

Lab File: VL042379.D

Acq: 18 Apr 2025 03:03

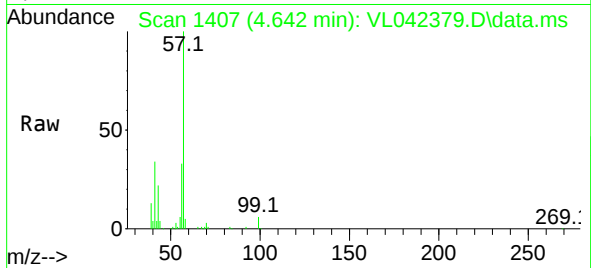
Tgt Ion: 78	Resp: 3444
Ion Ratio	Lower Upper
78 100	
77 24.5	17.4 26.0
50 9.1	15.5 23.3#





#44
2,2,4-Trimethylpentane
Concen: 1.054 ppbv m
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

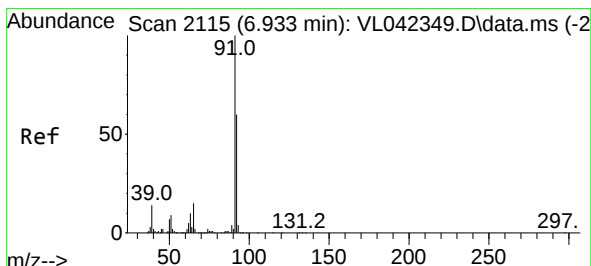
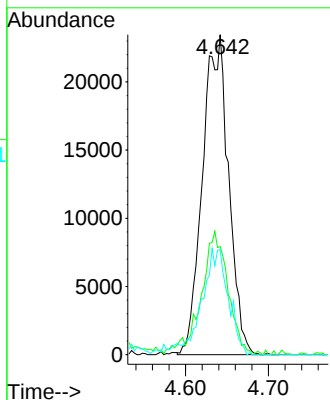
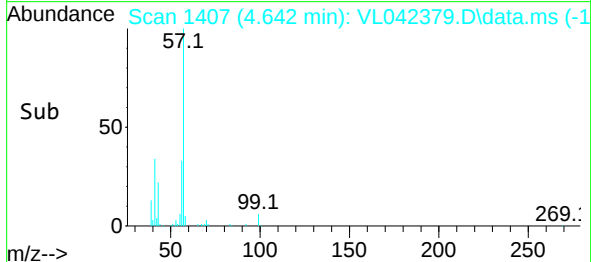
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL



Tgt Ion: 57 Resp: 51174
Ion Ratio Lower Upper
57 100
41 40.1 27.2 40.8
56 35.0 25.7 38.5

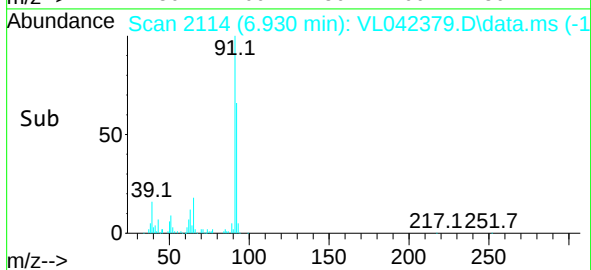
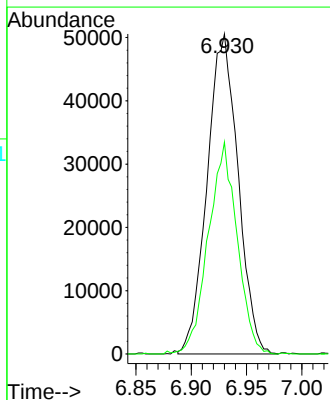
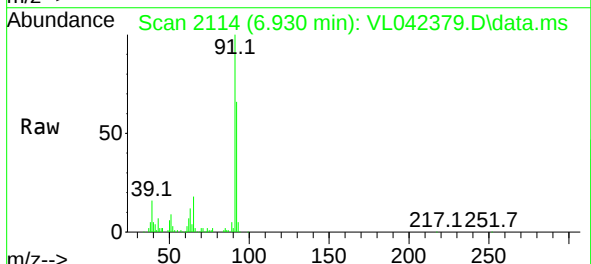
Manual Integrations
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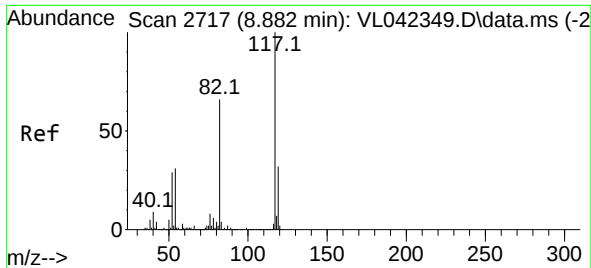
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#53
Toluene
Concen: 2.914 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

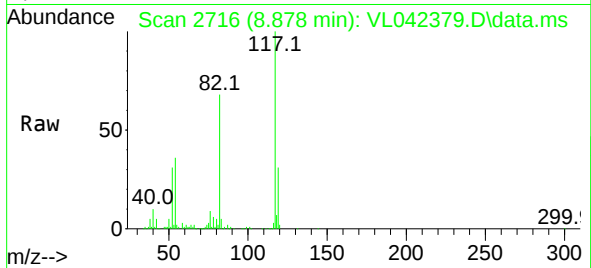
Tgt Ion: 91 Resp: 98263
Ion Ratio Lower Upper
91 100
92 61.9 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

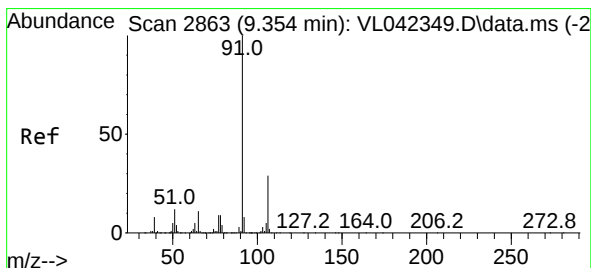
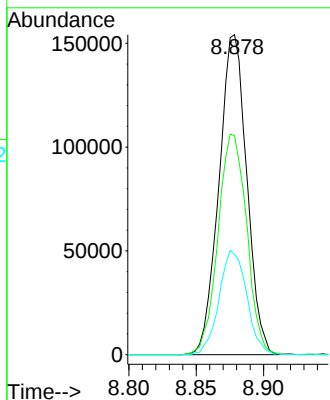
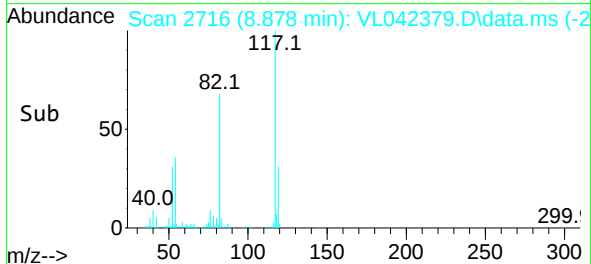
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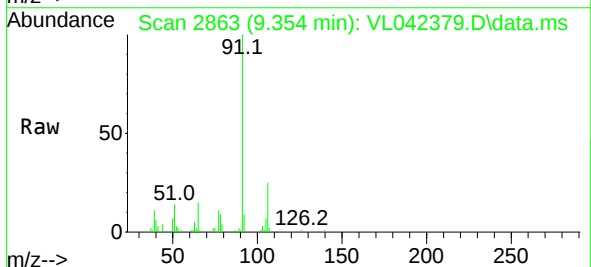
Tgt Ion:117 Resp: 221578
Ion Ratio Lower Upper
117 100
82 70.9 57.8 86.6
119 32.4 25.2 37.8

Manual Integrations
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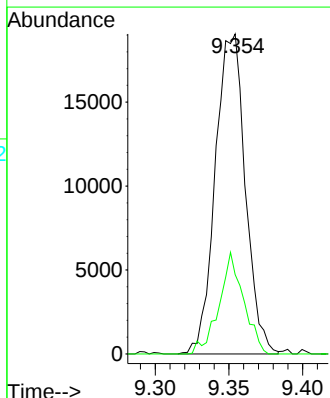
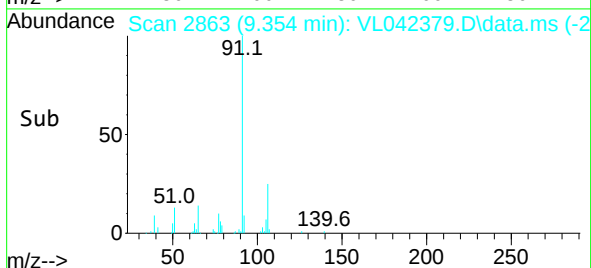
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

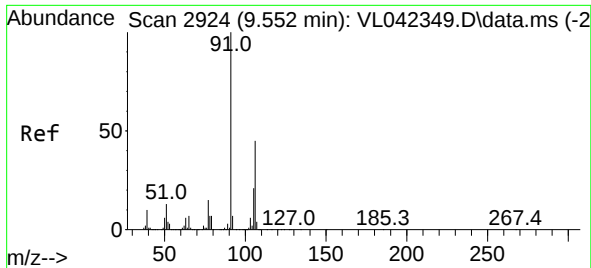


#58
Ethyl Benzene
Concen: 0.616 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03



Tgt Ion: 91 Resp: 27028
Ion Ratio Lower Upper
91 100
106 24.8 23.0 34.4





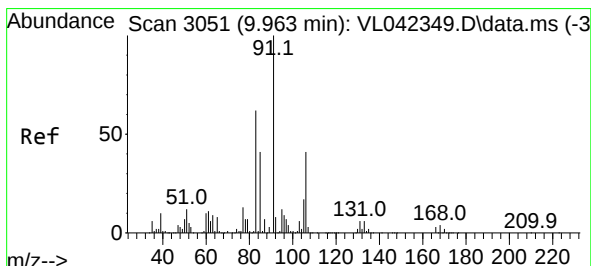
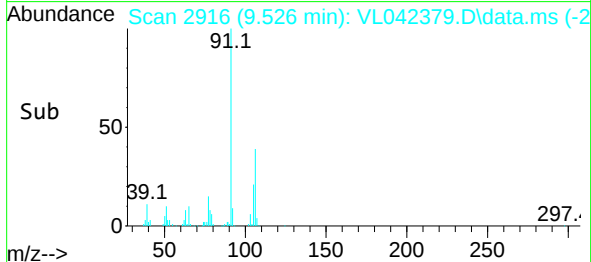
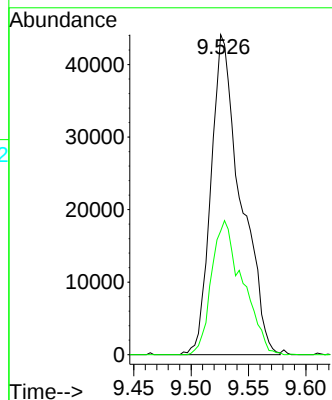
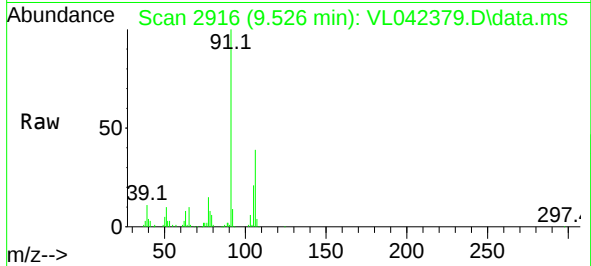
#59
m/p-Xylene
Concen: 2.255 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.026 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

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

Tgt Ion: 91 Resp: 79744
Ion Ratio Lower Upper
91 100
106 44.0 35.4 53.2

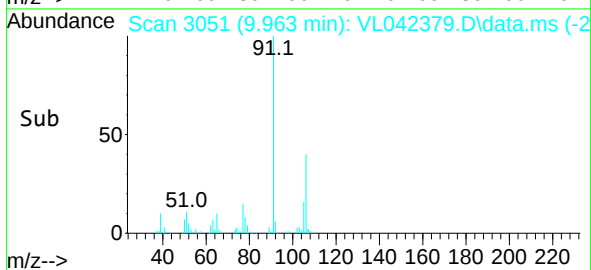
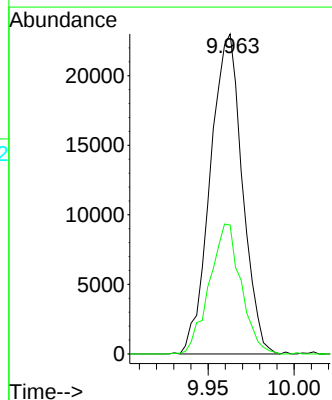
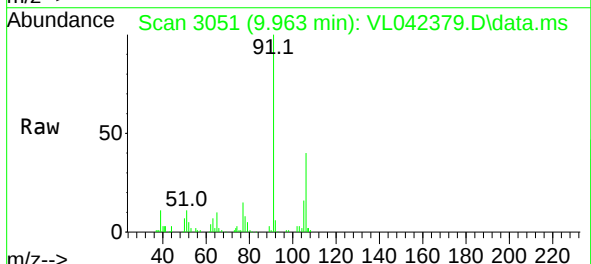
Manual Integrations
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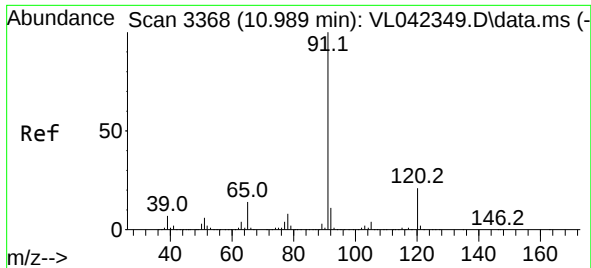
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#60
o-Xylene
Concen: 0.838 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

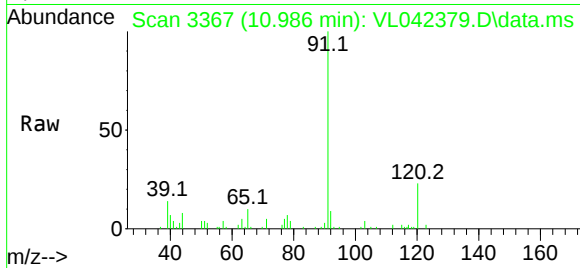
Tgt Ion: 91 Resp: 29832
Ion Ratio Lower Upper
91 100
106 40.0 21.1 63.4





#64
n-propylbenzene
Concen: 0.219 ppbv m
RT: 10.986 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

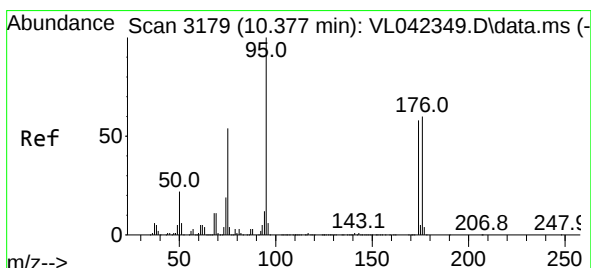
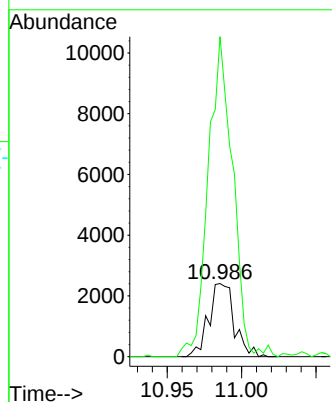
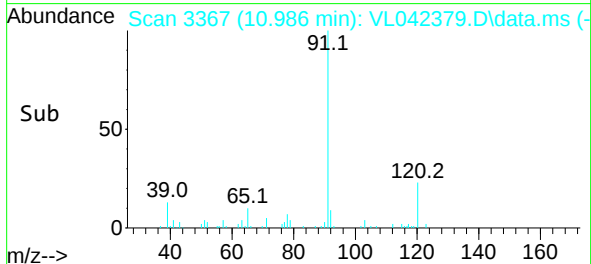
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL



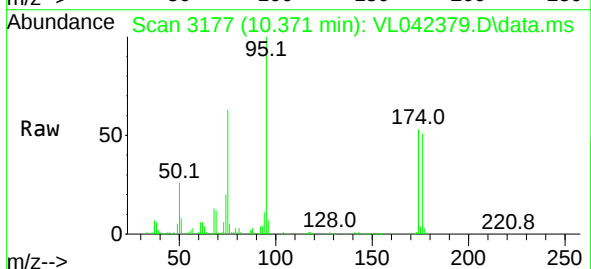
Tgt Ion:120 Resp: 2879
Ion Ratio Lower Upper
120 100
91 424.0 392.4 588.6

Manual Integrations
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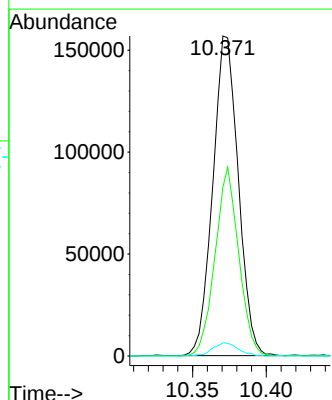
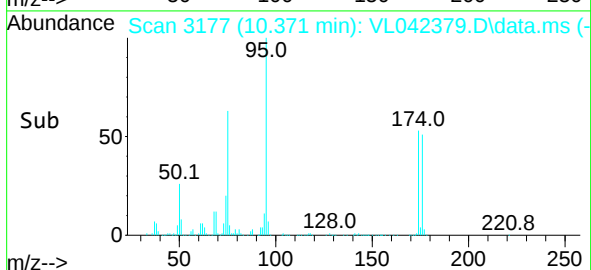
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

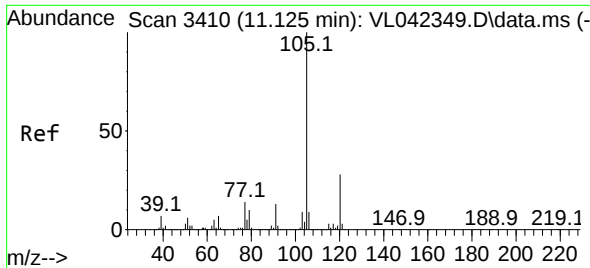


#68
1-Bromo-4-Fluorobenzene
Concen: 10.339 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.006 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03



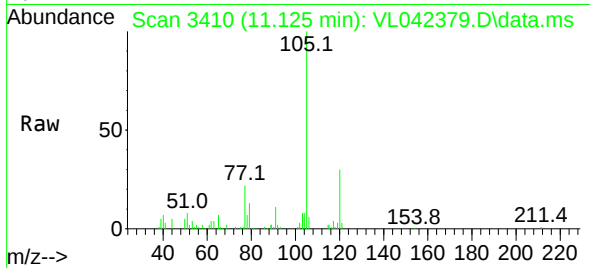
Tgt Ion: 95 Resp: 188260
Ion Ratio Lower Upper
95 100
174 54.8 48.5 72.7
175 4.2 3.7 5.5





#72
4-Ethyltoluene
Concen: 0.298 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03

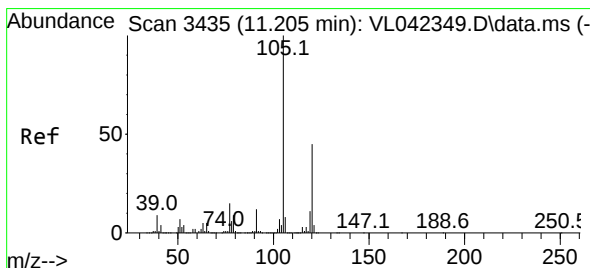
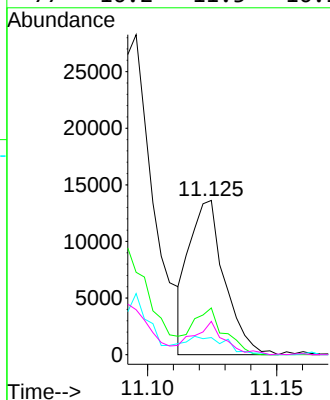
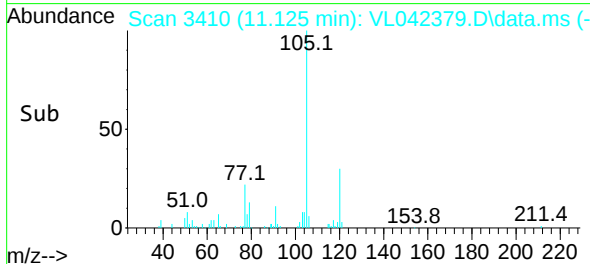
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-5-03312025DL



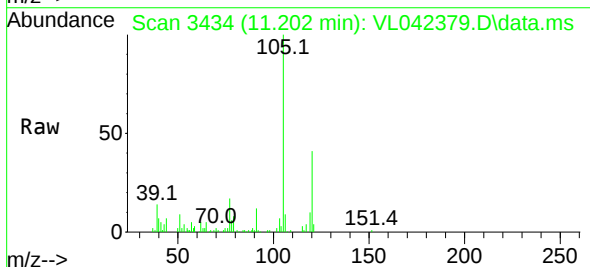
Tgt Ion:105 Resp: 12980
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8
91 0.0 10.4 15.6
77 16.2 11.3 16.9

Manual Integrations
APPROVED

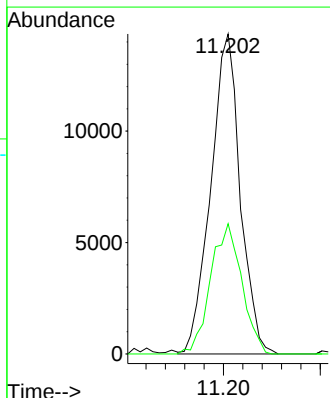
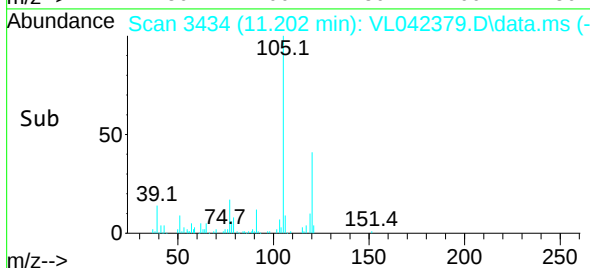
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

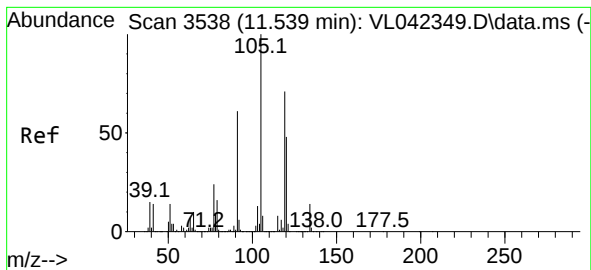


#73
1,3,5-Trimethylbenzene
Concen: 0.394 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. -0.003 min
Lab File: VL042379.D
Acq: 18 Apr 2025 03:03



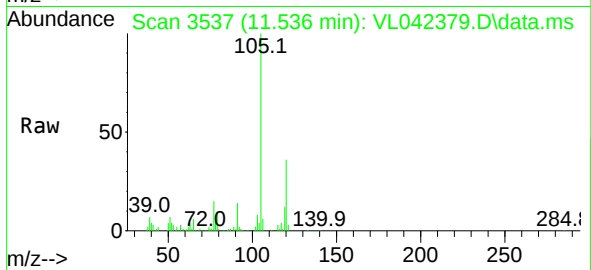
Tgt Ion:105 Resp: 15149
Ion Ratio Lower Upper
105 100
120 40.7 35.6 53.4





#74
 1,2,4-Trimethylbenzene
 Concen: 1.122 ppbv
 RT: 11.536 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL042379.D
 Acq: 18 Apr 2025 03:03

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



Tgt Ion:	105	Resp:	50354
Ion	Ratio	Lower	Upper
105	100		
120	35.9	38.1	57.1
91	13.7	48.8	73.2
77	15.4	19.0	28.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

