

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042474.D
 Acq On : 05 May 2025 13:11
 Operator : SY/MD
 Sample : Q1927-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P04-SC-SS01-20250428

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:41:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	71873	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	203294	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	175917	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	158342	9.708	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	6716	0.565	ppbv	97
3) Chlorodifluoromethane	1.476	51	5375m	0.427	ppbv	
9) Propene	1.486	41	995	0.242	ppbv #	68
11) Trichlorofluoromethane	1.878	101	3131	0.285	ppbv #	73
13) Ethanol	1.722	45	61821	74.066	ppbv	99
15) Acetone	1.836	43	111511	8.499	ppbv	100
17) tert-Butyl alcohol	2.043	59	48508	4.196	ppbv	97
19) Isopropyl Alcohol	1.887	45	18121	2.495	ppbv #	1
20) Methylene Chloride	2.062	84	2382	0.604	ppbv #	86
26) Hexane	2.826	57	1687m	0.184	ppbv	
27) Carbon Disulfide	2.153	76	7142	0.669	ppbv #	1
34) 2-Butanone	2.567	43	7445	0.506	ppbv	97
35) Carbon Tetrachloride	3.768	117	1540m	0.083	ppbv	
36) Benzene	3.658	78	2476m	0.129	ppbv	
53) Toluene	6.936	91	3301m	0.163	ppbv	
59) m/p-Xylene	9.542	91	4224m	0.171	ppbv	

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

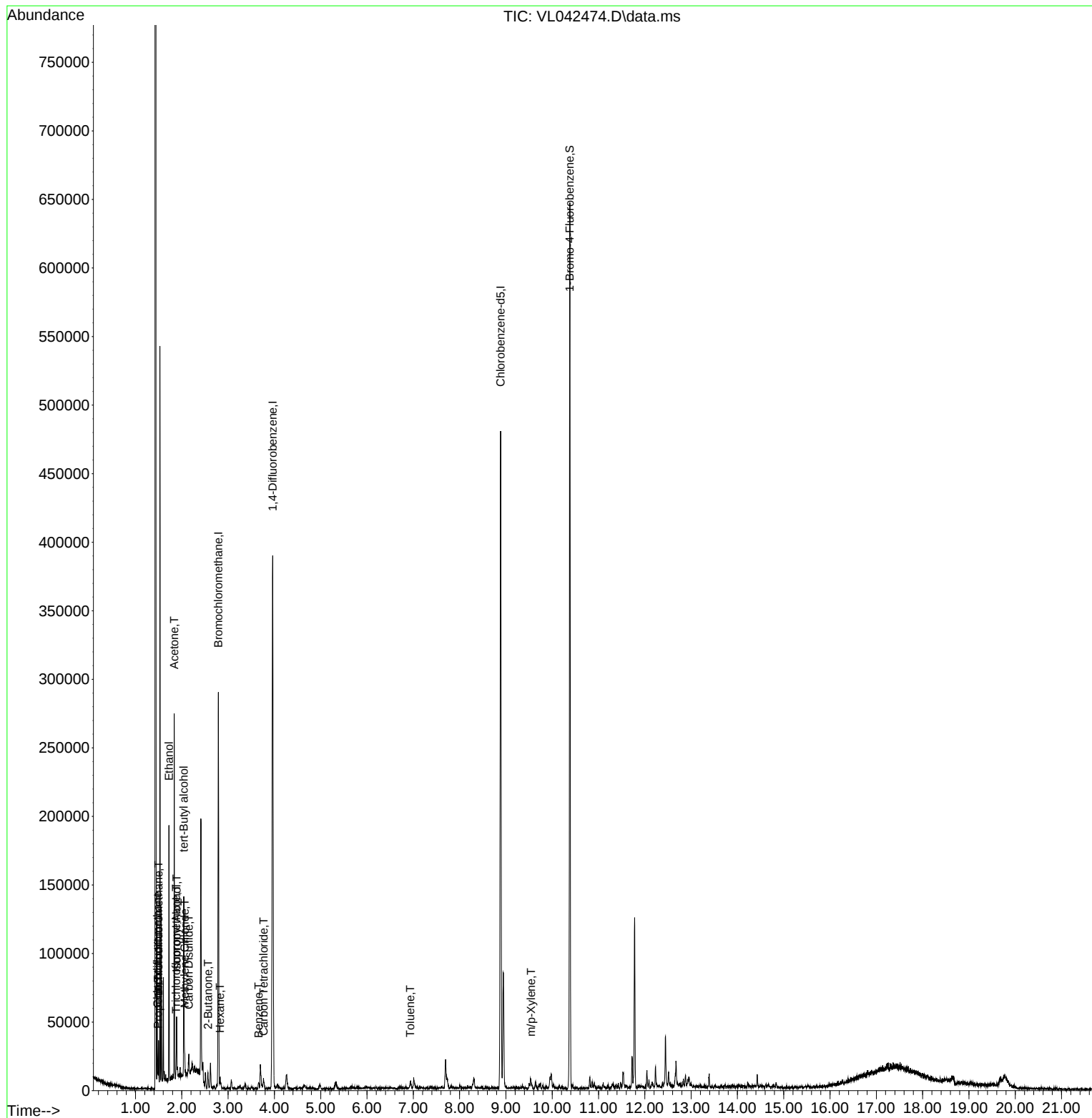
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042474.D
Acq On : 05 May 2025 13:11
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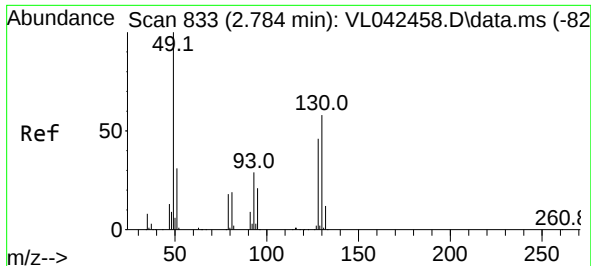
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428

Quant Time: May 06 01:41:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

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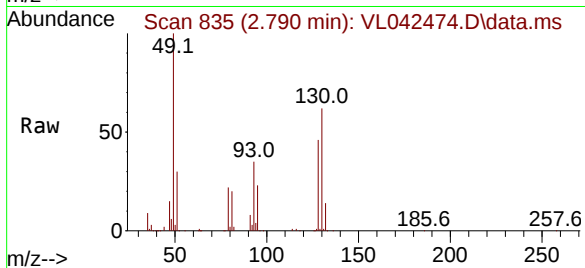
Reviewed By : Semsettin Yesilyurt 05/06/2025
Supervised By : Mahesh Dadoda 05/06/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

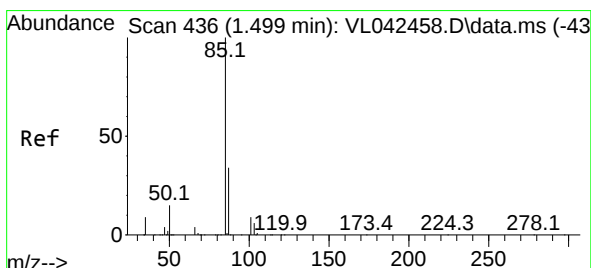
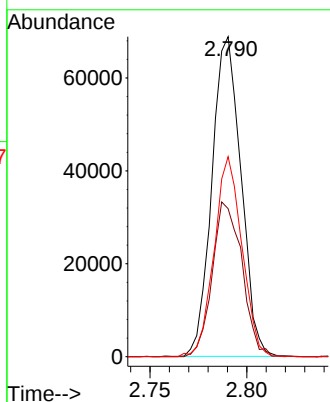
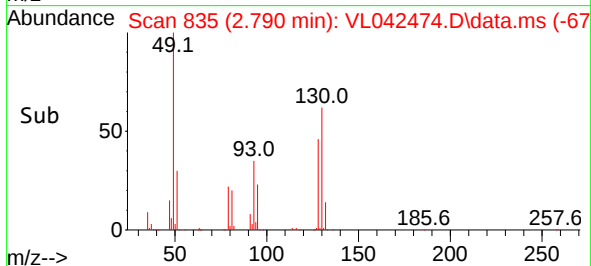
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428



Tgt Ion: 49 Resp: 7187
Ion Ratio Lower Upper
49 100
128 49.4 23.3 69.9
130 59.8 29.5 88.6

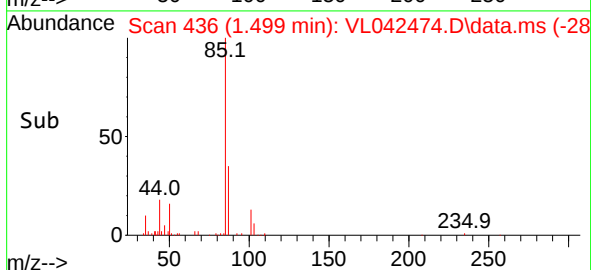
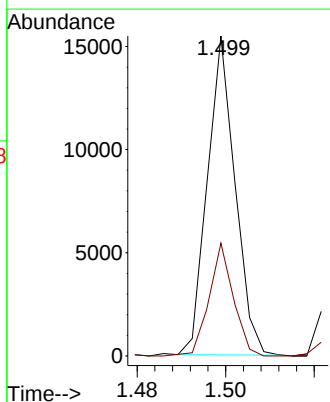
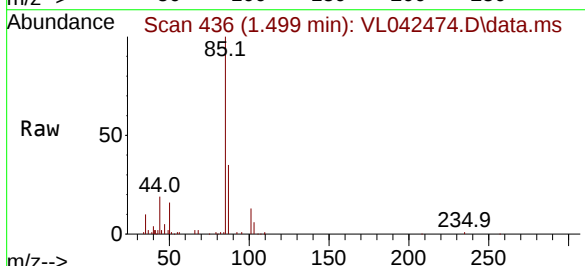
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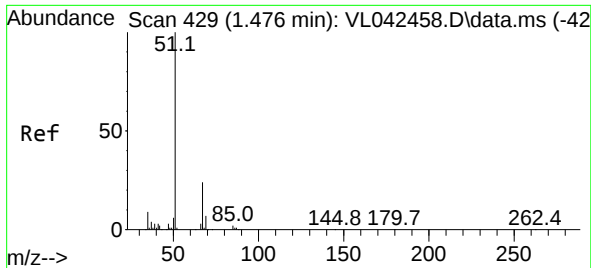
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 0.565 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

Tgt Ion: 85 Resp: 6716
Ion Ratio Lower Upper
85 100
87 35.4 26.9 40.3





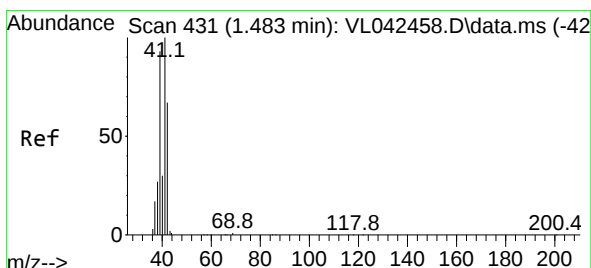
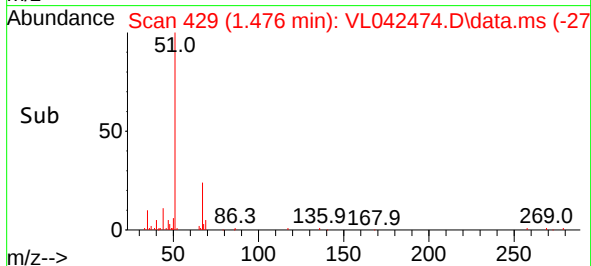
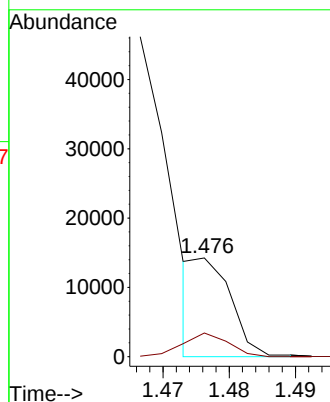
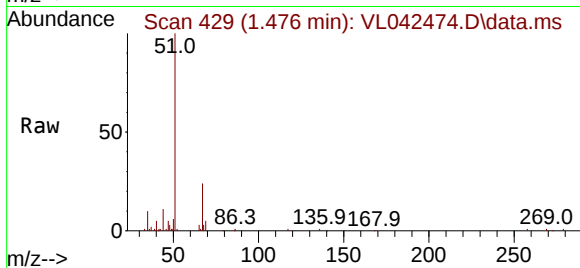
#3
Chlorodifluoromethane
Concen: 0.427 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428

Tgt Ion: 51 Resp: 5375
Ion Ratio Lower Upper
51 100
67 31.4 18.4 27.6

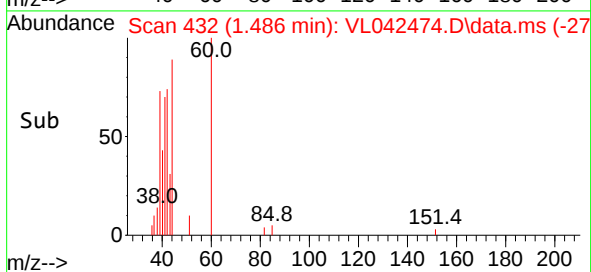
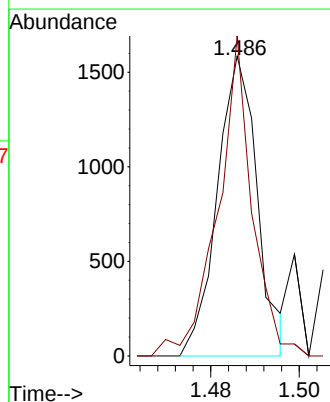
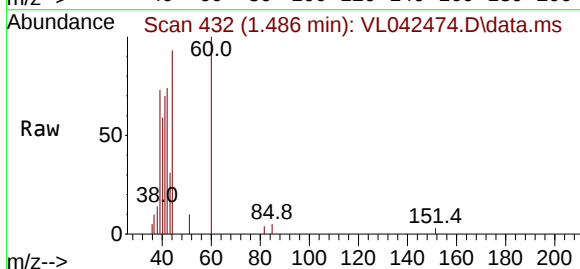
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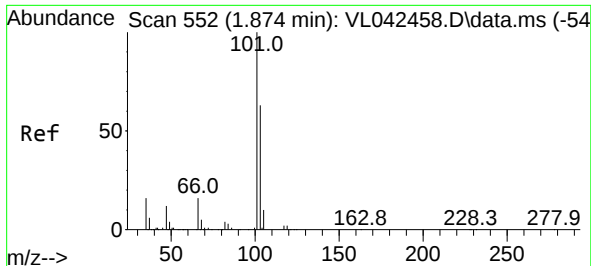
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#9
Propene
Concen: 0.242 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

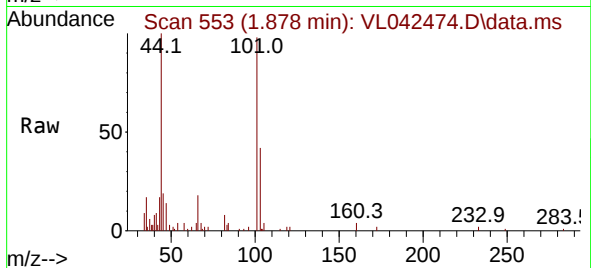
Tgt Ion: 41 Resp: 995
Ion Ratio Lower Upper
41 100
42 94.0 54.3 81.5





#11
Trichlorofluoromethane
Concen: 0.285 ppbv
RT: 1.878 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

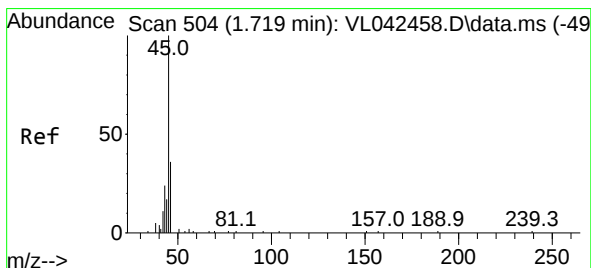
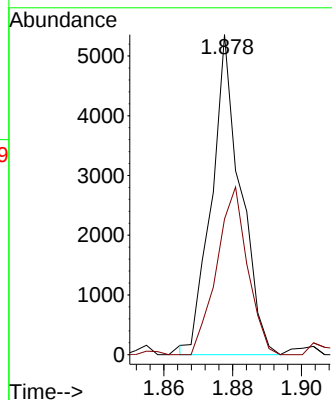
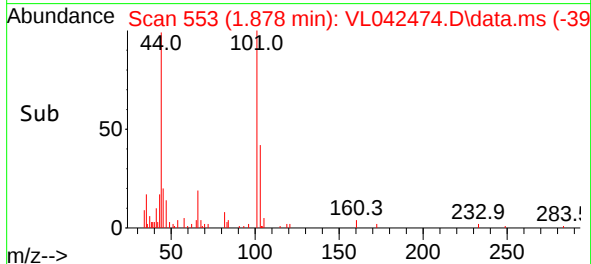
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428



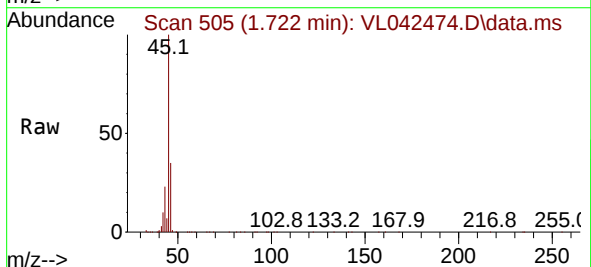
Tgt Ion:101 Resp: 313
Ion Ratio Lower Upper
101 100
103 42.4 50.6 76.0

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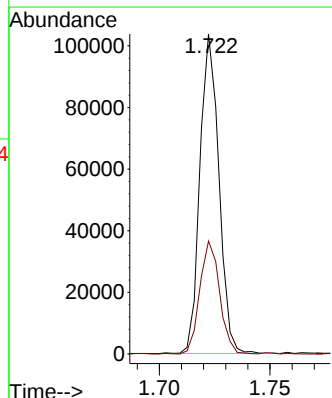
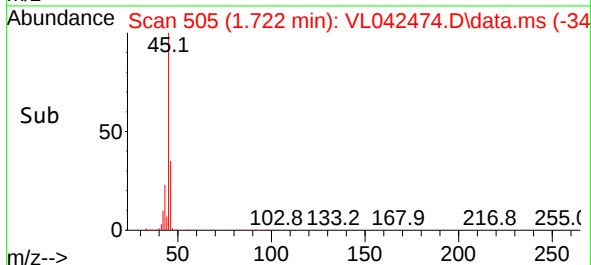
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

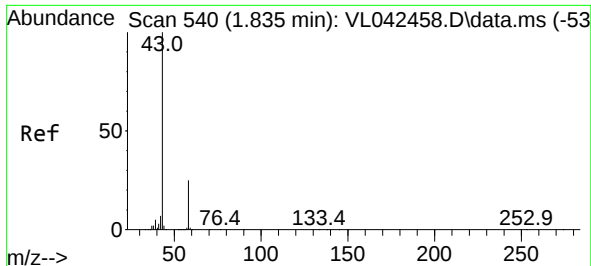


#13
Ethanol
Concen: 74.066 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11



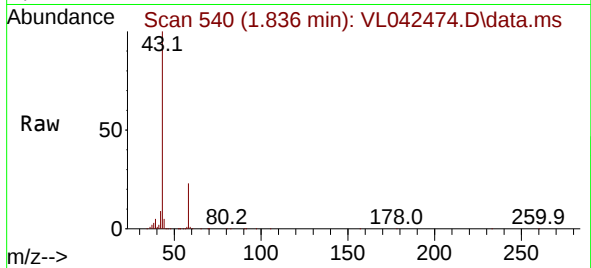
Tgt Ion: 45 Resp: 61821
Ion Ratio Lower Upper
45 100
46 37.3 15.3 61.1





#15
Acetone
Concen: 8.499 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

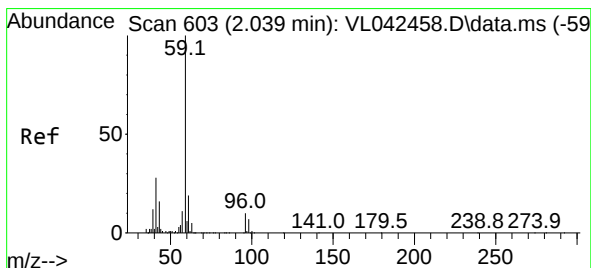
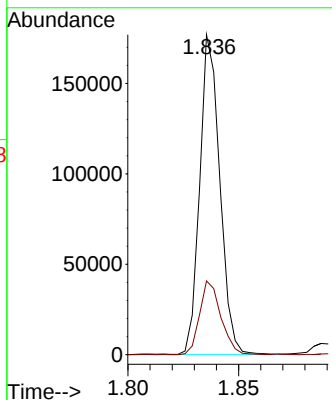
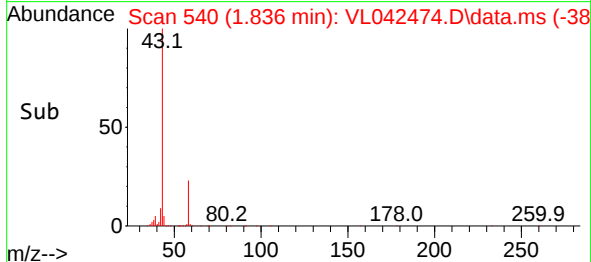
Instrument : MSVOA_L
ClientSampleId : EBR-P04-SC-SS01-20250428



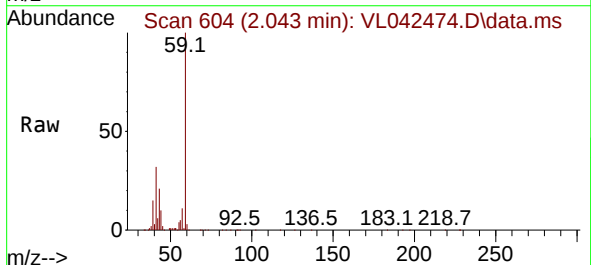
Tgt Ion: 43 Resp: 11151
Ion Ratio Lower Upper
43 100
58 24.6 19.8 29.8

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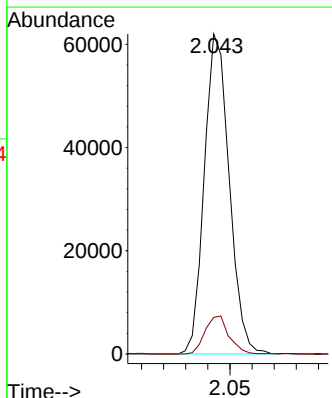
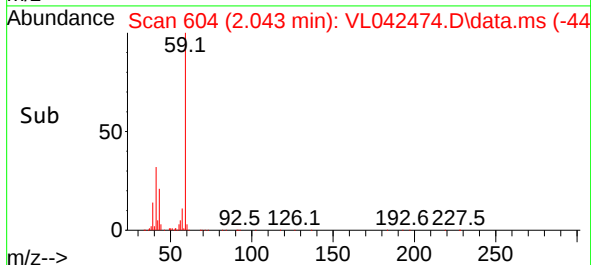
Reviewed By :Semsettin Yesilyurt 05/06/2025
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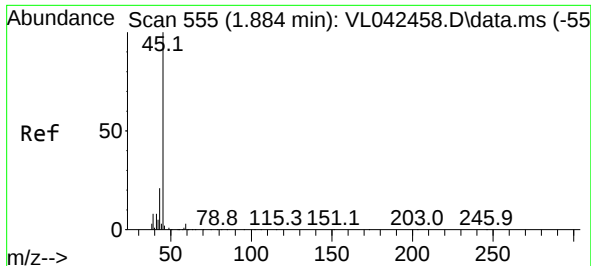


#17
tert-Butyl alcohol
Concen: 4.196 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11



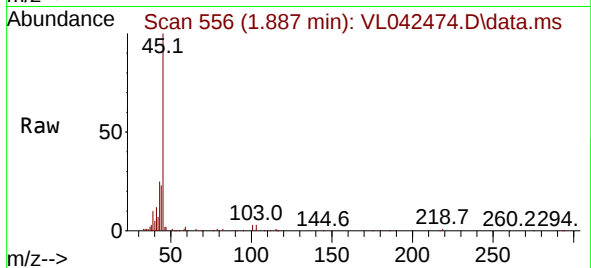
Tgt Ion: 59 Resp: 48508
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5





#19
Isopropyl Alcohol
Concen: 2.495 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

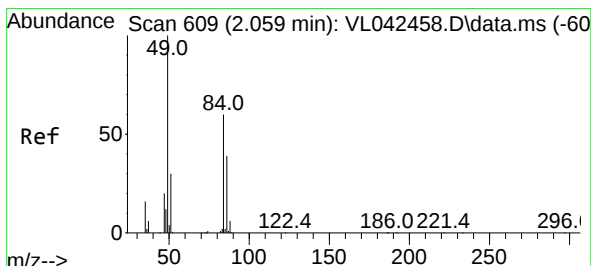
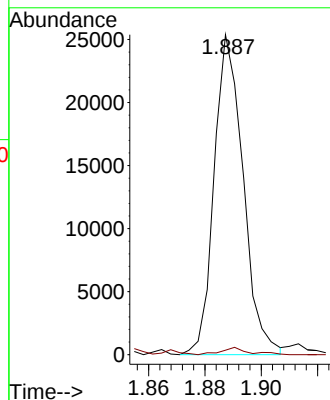
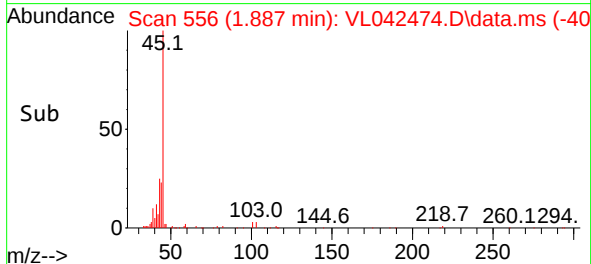
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428



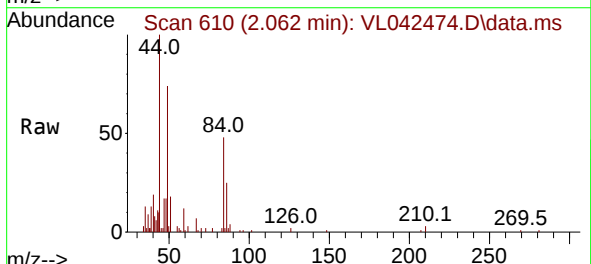
Tgt Ion: 45 Resp: 1812
Ion Ratio Lower Upper
45 100
58 151.4 1.6 2.4

Manual Integrations
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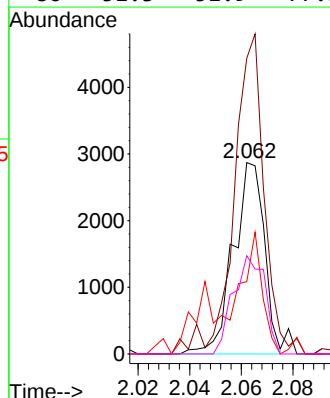
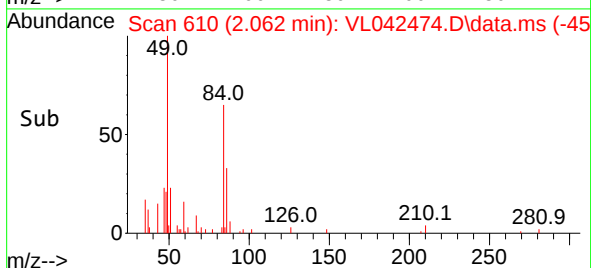
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

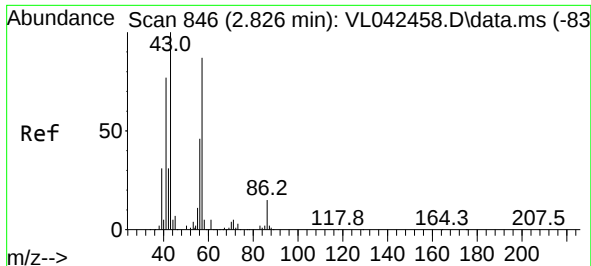


#20
Methylene Chloride
Concen: 0.604 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11



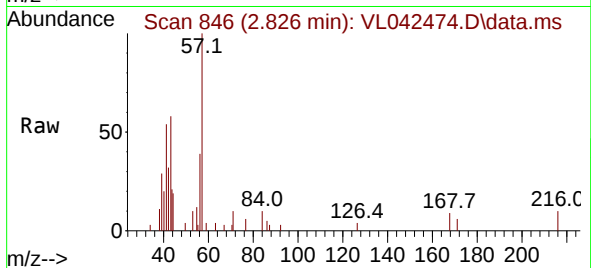
Tgt Ion: 84 Resp: 2382
Ion Ratio Lower Upper
84 100
49 152.9 133.9 200.9
51 37.7 41.0 61.6#
86 51.3 51.9 77.9#





#26
Hexane
Concen: 0.184 ppbv m
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

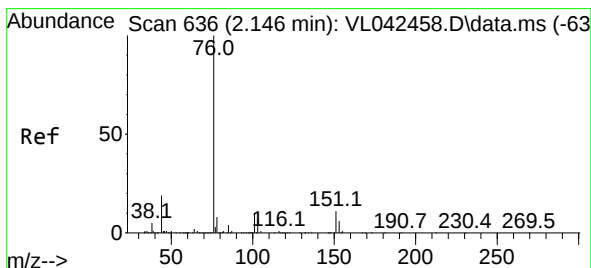
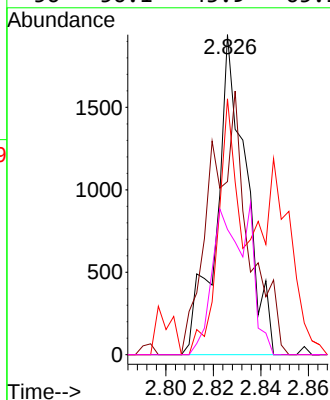
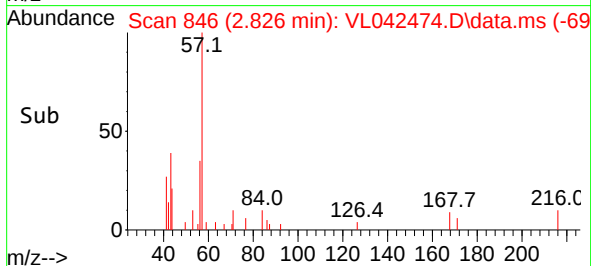
Instrument : MSVOA_L
ClientSampleId : EBR-P04-SC-SS01-20250428



Tgt Ion: 57 Resp: 168
Ion Ratio Lower Upper
57 100
41 104.7 77.8 116.8
43 129.6 187.0 280.6
56 56.1 43.9 65.9

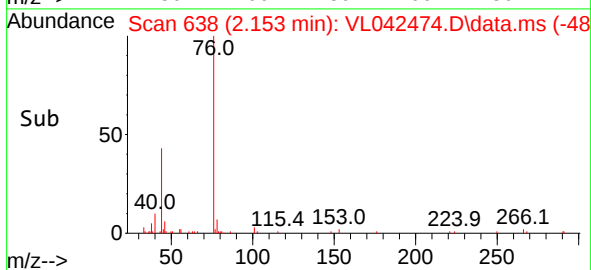
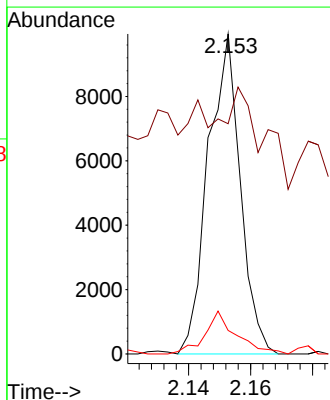
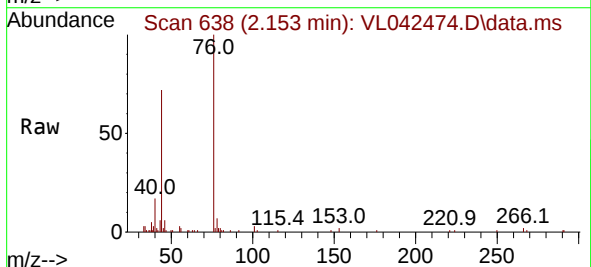
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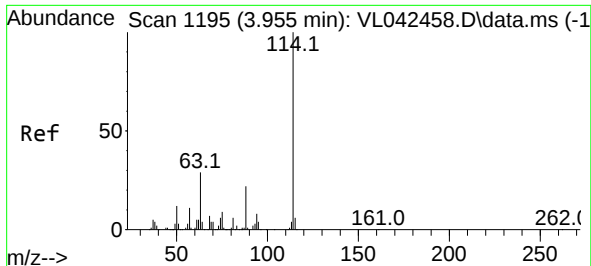
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#27
Carbon Disulfide
Concen: 0.669 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.007 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

Tgt Ion: 76 Resp: 7142
Ion Ratio Lower Upper
76 100
44 296.2 21.0 31.6#
78 14.2 8.6 13.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042474.D

Acq: 05 May 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

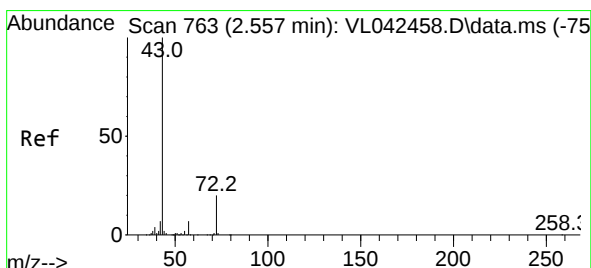
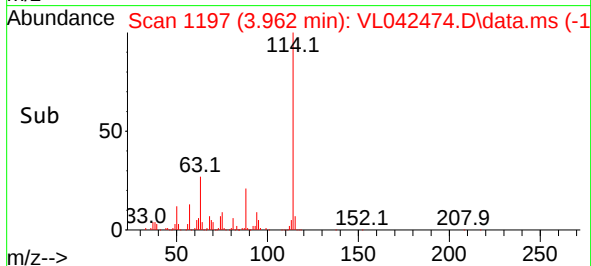
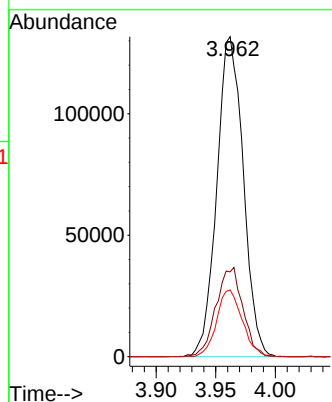
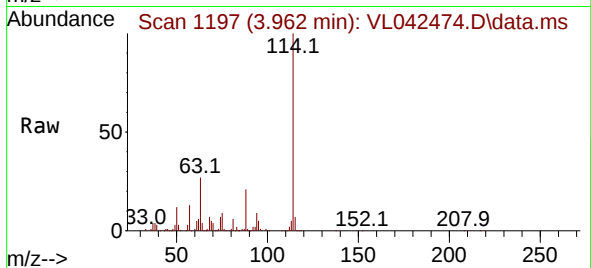
EBR-P04-SC-SS01-20250428

Tgt Ion:	114	Resp:	203294
Ion Ratio	Lower	Upper	
114	100		
63	28.2	23.1	34.7
88	20.3	16.1	24.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#34

2-Butanone

Concen: 0.506 ppbv

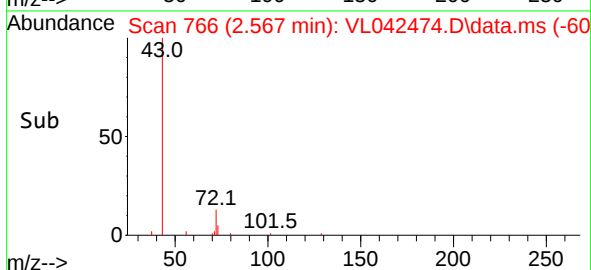
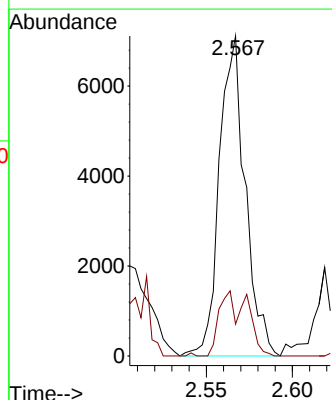
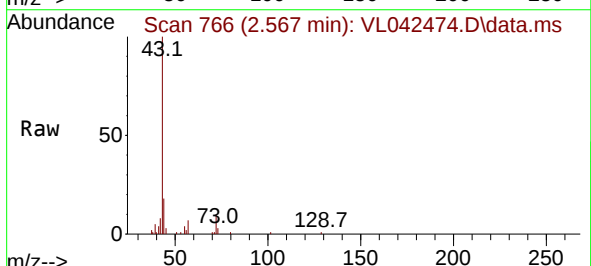
RT: 2.567 min Scan# 766

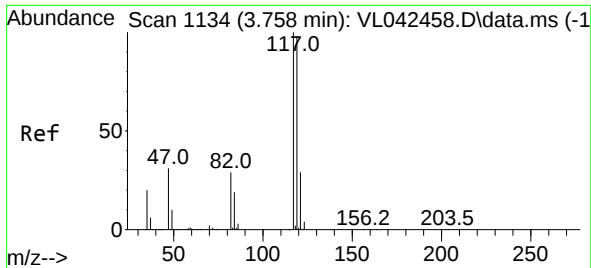
Delta R.T. 0.010 min

Lab File: VL042474.D

Acq: 05 May 2025 13:11

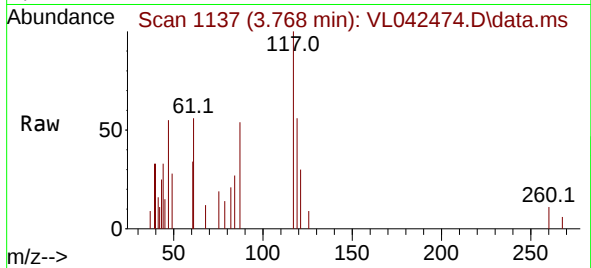
Tgt Ion:	43	Resp:	7445
Ion Ratio	Lower	Upper	
43	100		
72	22.1	16.7	25.1





#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 3.768 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

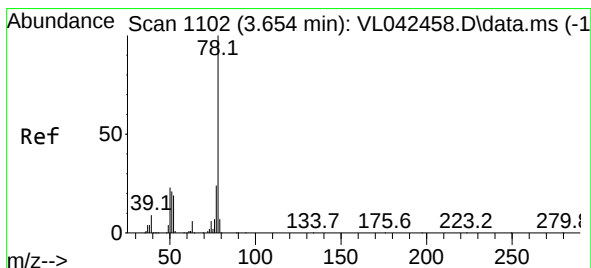
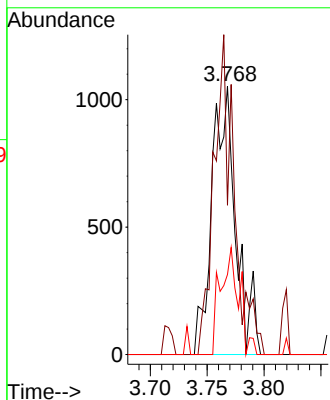
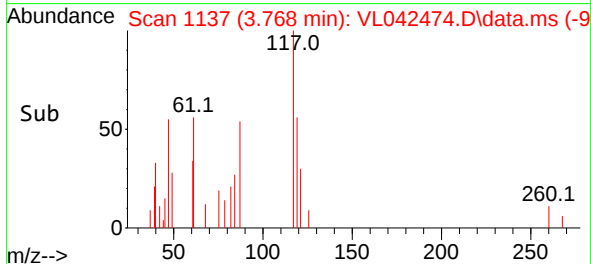
Instrument : MSVOA_L
ClientSampleId : EBR-P04-SC-SS01-20250428



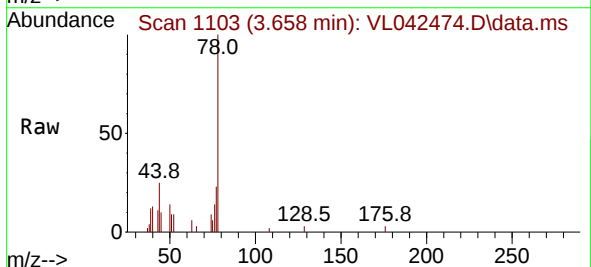
Tgt Ion: 117 Resp: 1540
Ion Ratio Lower Upper
117 100
119 55.7 78.1 117.1
121 29.8 23.0 34.6

Manual Integrations
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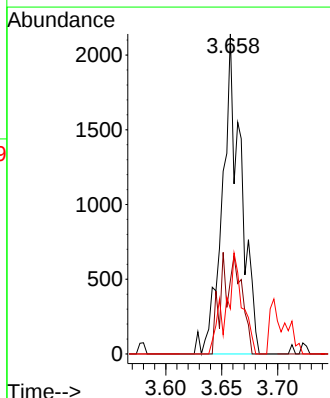
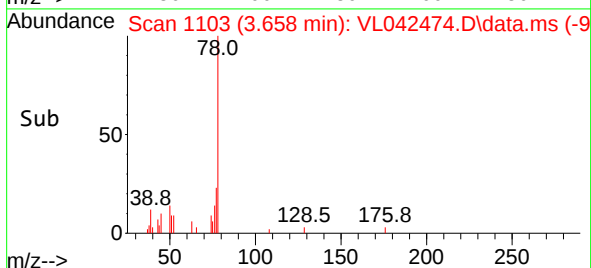
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

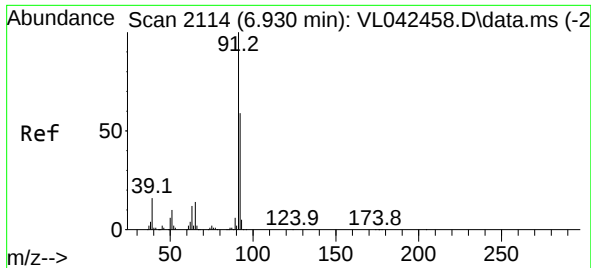


#36
Benzene
Concen: 0.129 ppbv m
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11



Tgt Ion: 78 Resp: 2476
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3
50 14.2 18.4 27.6#





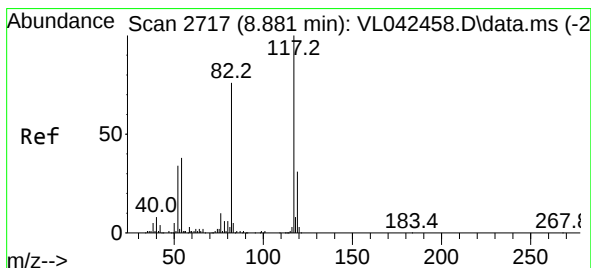
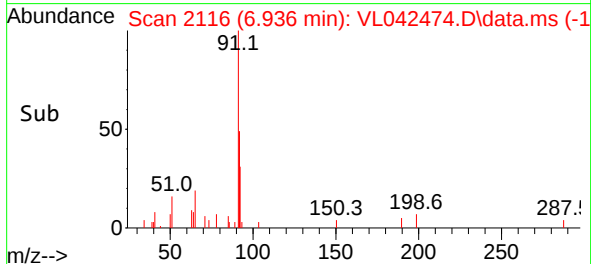
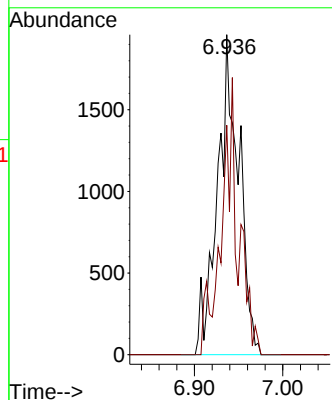
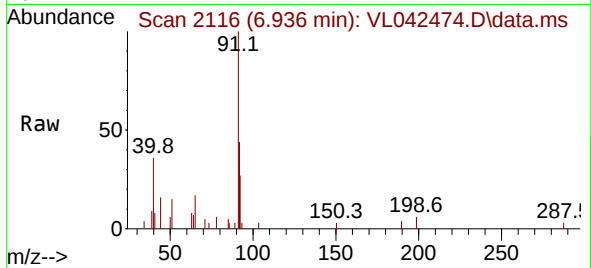
#53
Toluene
Concen: 0.163 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. 0.007 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428

Tgt Ion: 91 Resp: 330
Ion Ratio Lower Upper
91 100
92 67.5 47.9 71.9

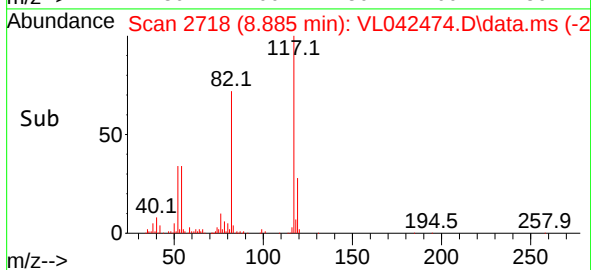
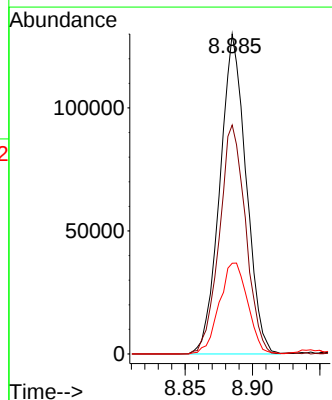
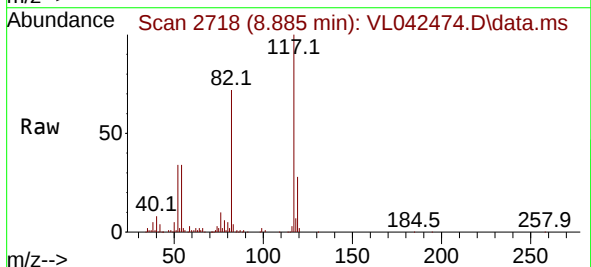
Manual Integrations
APPROVED

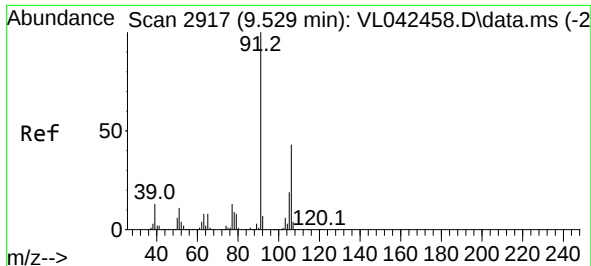
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042474.D
Acq: 05 May 2025 13:11

Tgt Ion:117 Resp: 175917
Ion Ratio Lower Upper
117 100
82 72.0 63.5 95.3
119 30.7 25.8 38.8





#59

m/p-Xylene

Concen: 0.171 ppbv m

RT: 9.542 min Scan# 2917

Delta R.T. 0.013 min

Lab File: VL042474.D

Acq: 05 May 2025 13:11

Instrument :

MSVOA_L

ClientSampleId :

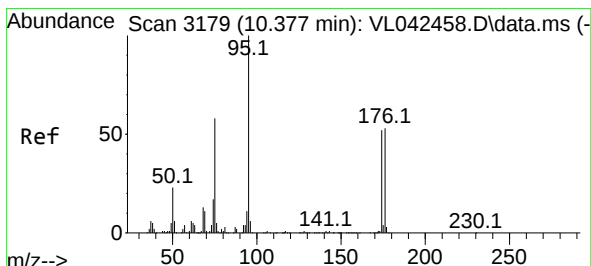
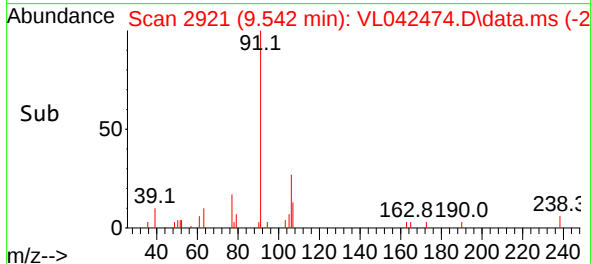
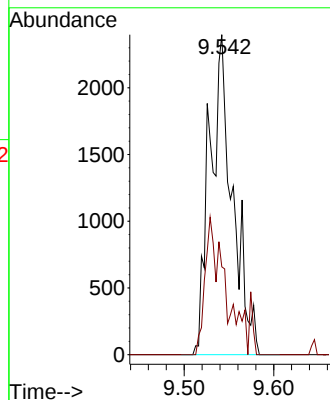
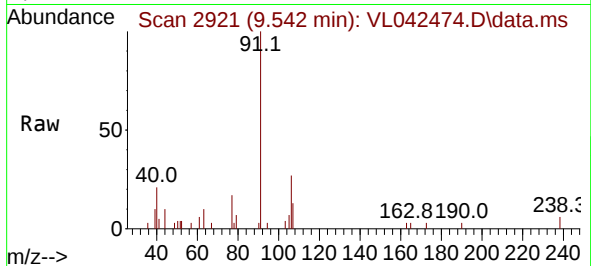
EBR-P04-SC-SS01-20250428

Tgt Ion: 91 Resp: 4224
 Ion Ratio Lower Upper
 91 100
 106 41.1 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.708 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.003 min

Lab File: VL042474.D

Acq: 05 May 2025 13:11

Tgt Ion: 95 Resp: 158342
 Ion Ratio Lower Upper
 95 100
 174 53.3 42.7 64.1
 175 3.9 3.6 5.4

