

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042476.D
 Acq On : 05 May 2025 15:18
 Operator : SY/MD
 Sample : Q1927-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P06-SC-IA01-20250428

Manual Integrations
 APPROVED

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

Quant Time: May 06 03:55:35 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	2.787	49	74533	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	204912	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	170942	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	159284	10.050	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	5767	0.468	ppbv	96
3) Chlorodifluoromethane	1.476	51	2908m	0.223	ppbv	
4) Chloromethane	1.534	50	3033	0.588	ppbv	99
9) Propene	1.486	41	5733m	1.344	ppbv	
11) Trichlorofluoromethane	1.877	101	2879	0.253	ppbv #	81
13) Ethanol	1.722	45	15590	18.011	ppbv #	37
15) Acetone	1.835	43	173519	12.753	ppbv	99
19) Isopropyl Alcohol	1.887	45	9588	1.273	ppbv #	1
20) Methylene Chloride	2.062	84	5214	1.275	ppbv	95
26) Hexane	2.822	57	2264m	0.239	ppbv	
34) 2-Butanone	2.564	43	9066	0.612	ppbv #	88
35) Carbon Tetrachloride	3.764	117	1432m	0.077	ppbv	
52) Tetrachloroethene	8.224	164	544m	0.074	ppbv	
53) Toluene	6.936	91	7400m	0.362	ppbv	
58) Ethyl Benzene	9.360	91	3994m	0.140	ppbv	
59) m/p-Xylene	9.532	91	10146m	0.424	ppbv	
60) o-Xylene	9.962	91	3875m	0.162	ppbv	
61) Styrene	9.865	104	1304m	0.146	ppbv	

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

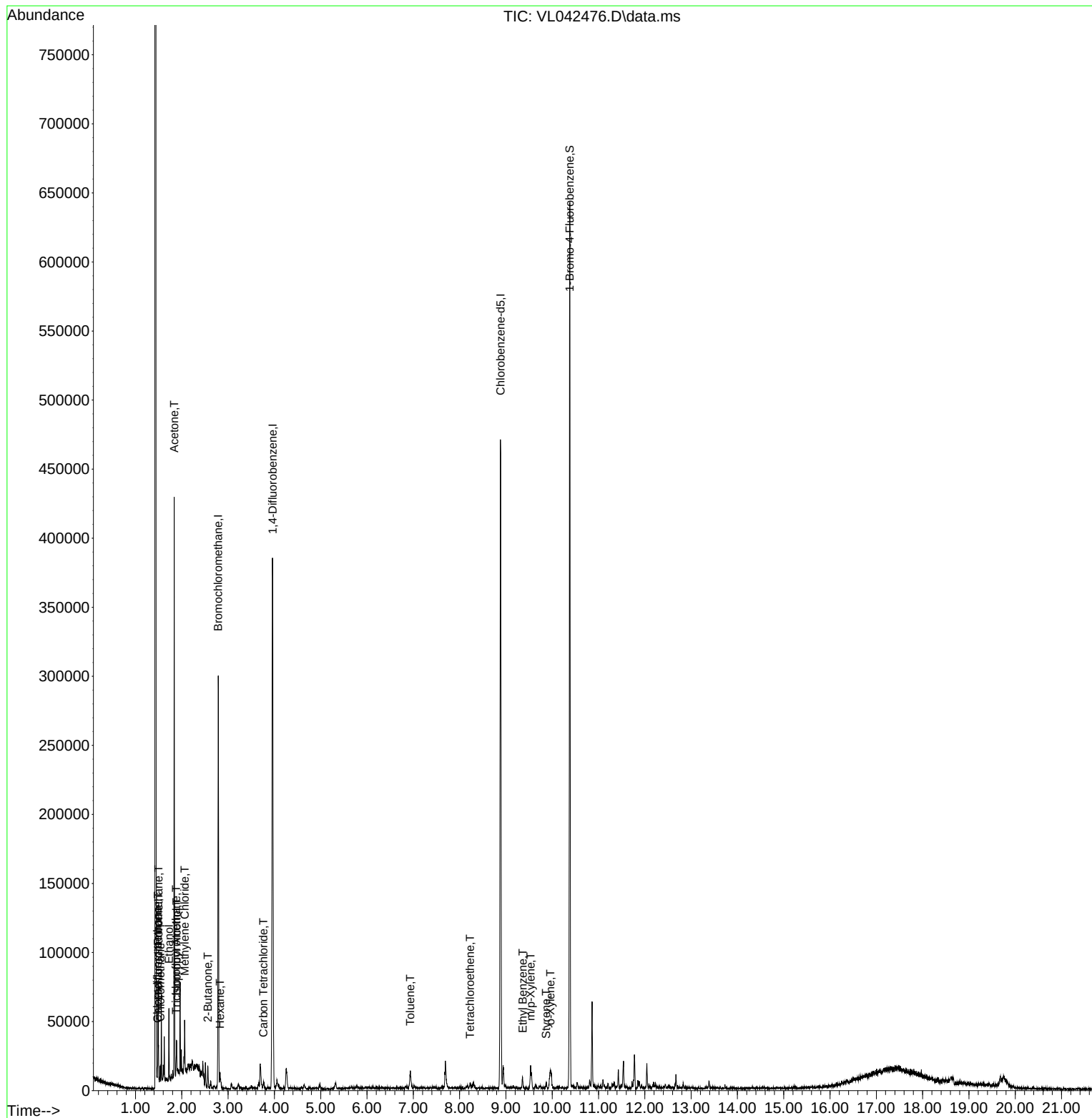
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042476.D
Acq On : 05 May 2025 15:18
Operator : SY/MD
Sample : Q1927-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

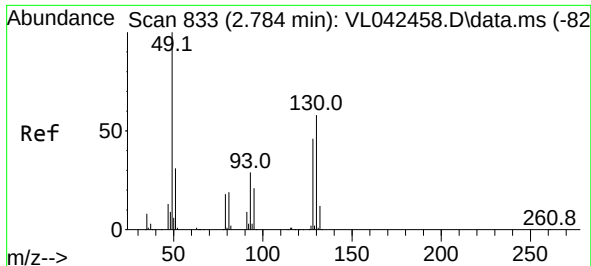
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428

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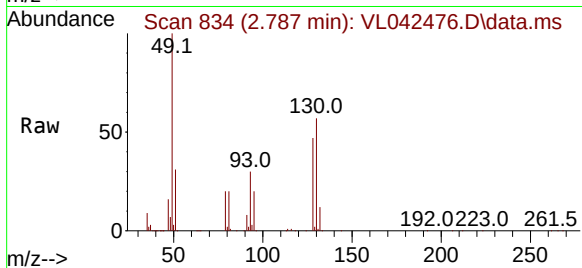
Quant Time: May 06 03:55:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

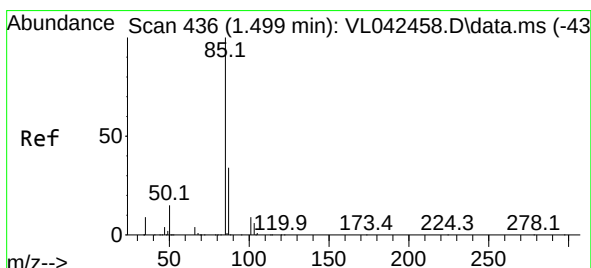
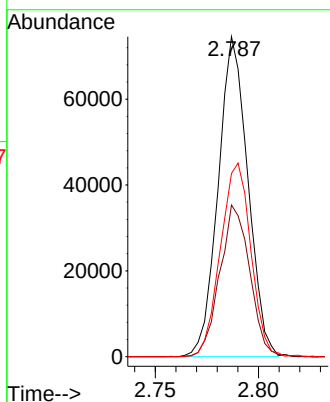
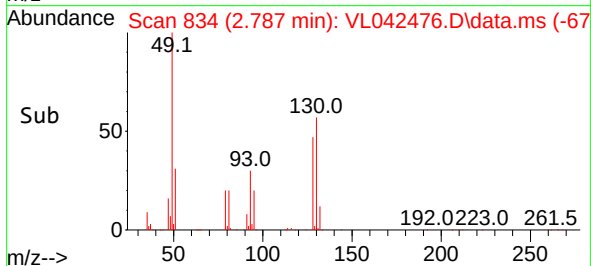
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428



Tgt Ion: 49 Resp: 7453
Ion Ratio Lower Upper
49 100
128 47.7 23.3 69.9
130 62.0 29.5 88.6

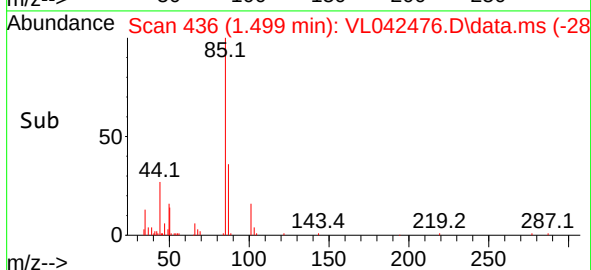
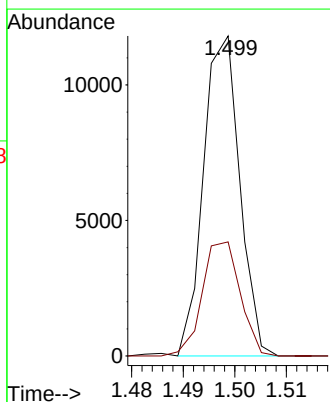
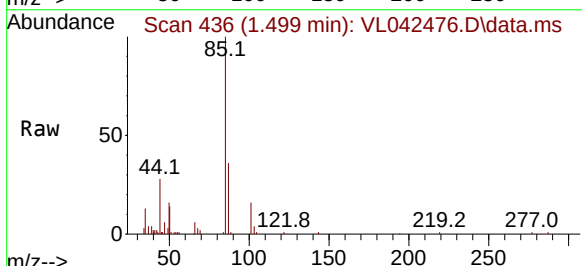
Manual Integrations
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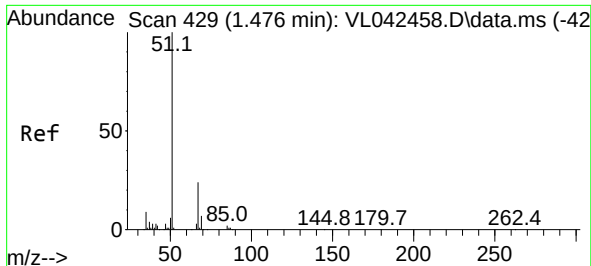
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 0.468 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

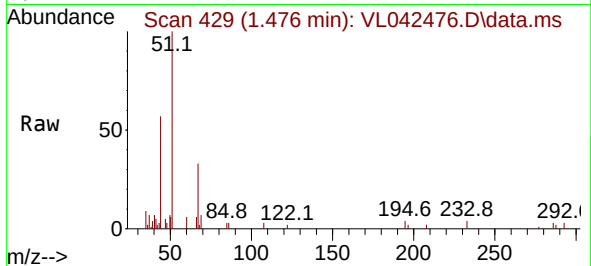
Tgt Ion: 85 Resp: 5767
Ion Ratio Lower Upper
85 100
87 35.6 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.223 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

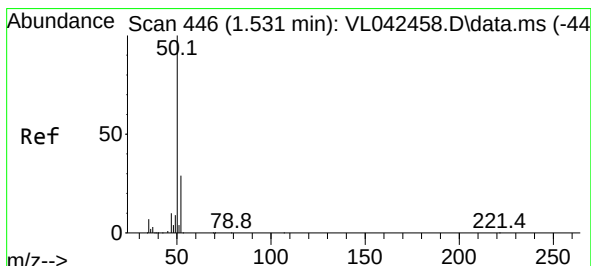
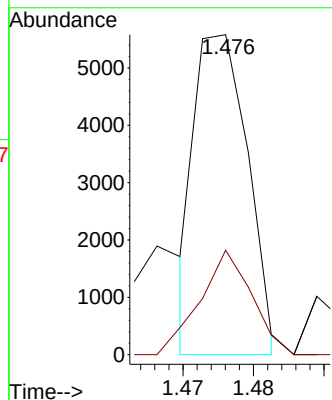
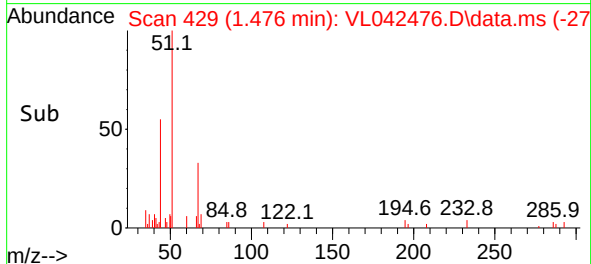
Instrument : MSVOA_L
ClientSampleId : EBR-P06-SC-IA01-20250428



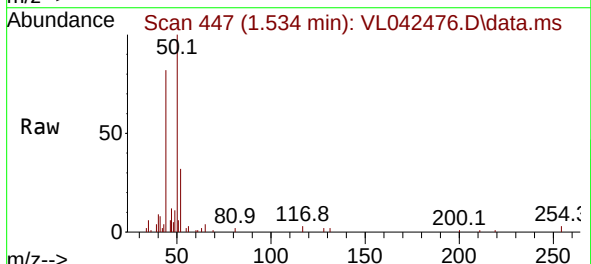
Tgt Ion: 51 Resp: 2908
Ion Ratio Lower Upper
51 100
67 32.0 18.4 27.6

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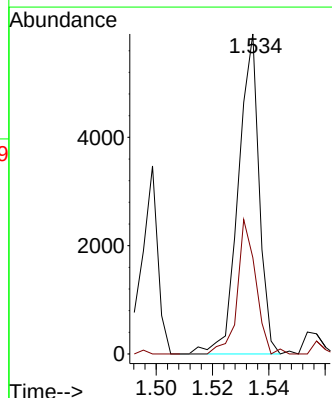
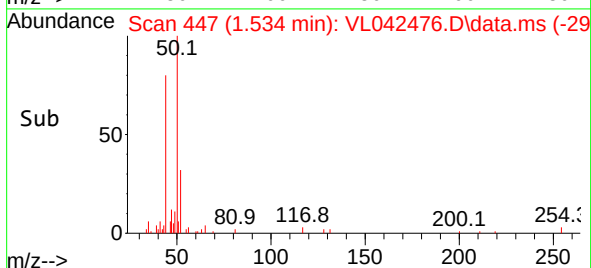
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

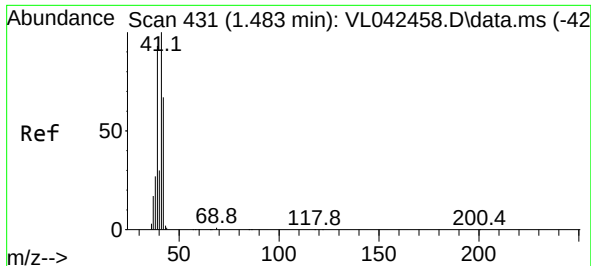


#4
Chloromethane
Concen: 0.588 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18



Tgt Ion: 50 Resp: 3033
Ion Ratio Lower Upper
50 100
52 30.1 23.5 35.3





#9

Propene

Concen: 1.344 ppbv m

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042476.D

Acq: 05 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

EBR-P06-SC-IA01-20250428

Tgt Ion: 41 Resp: 573

Ion Ratio Lower Upper

41 100

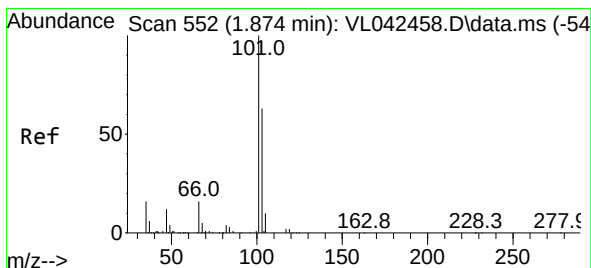
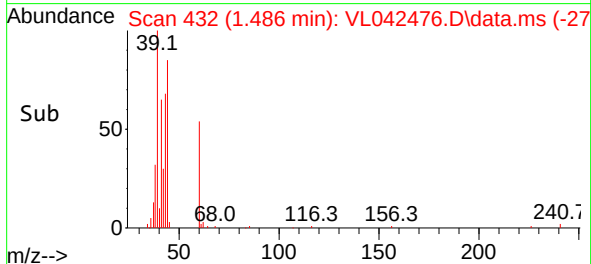
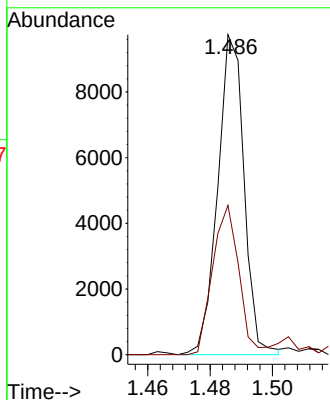
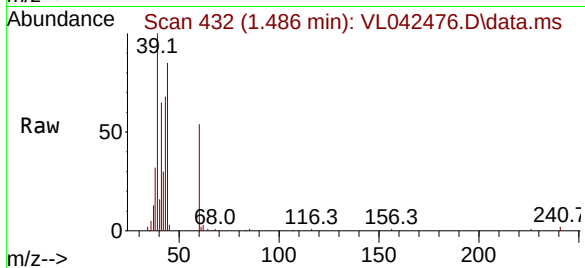
42 36.2 54.3 81.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#11

Trichlorofluoromethane

Concen: 0.253 ppbv

RT: 1.877 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL042476.D

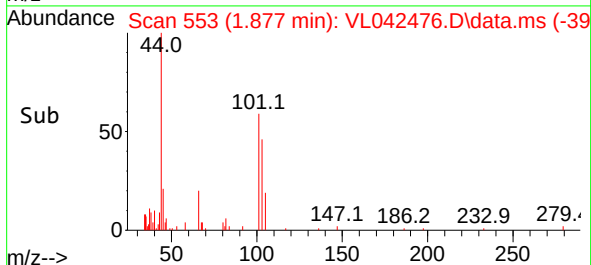
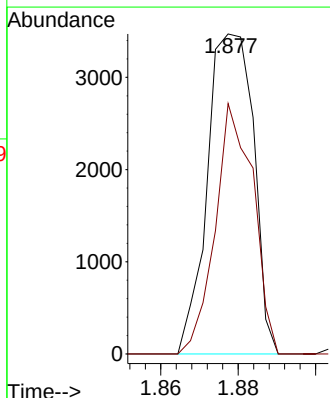
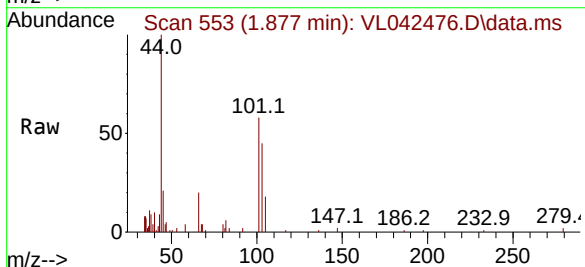
Acq: 05 May 2025 15:18

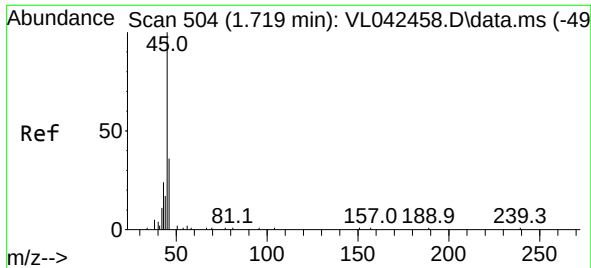
Tgt Ion:101 Resp: 2879

Ion Ratio Lower Upper

101 100

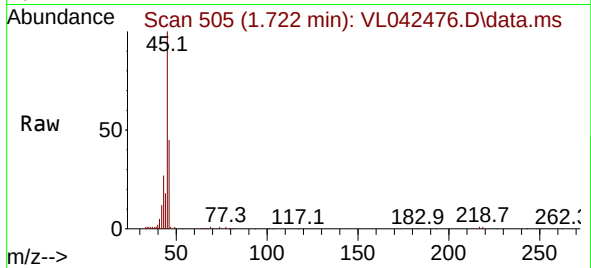
103 78.3 50.6 76.0#





#13
Ethanol
Concen: 18.011 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

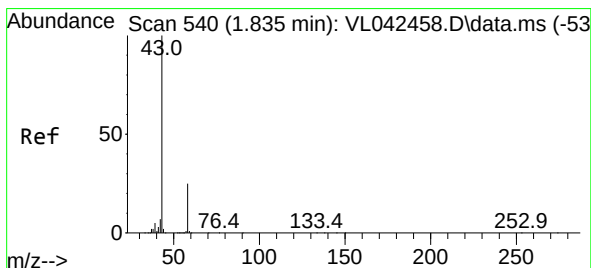
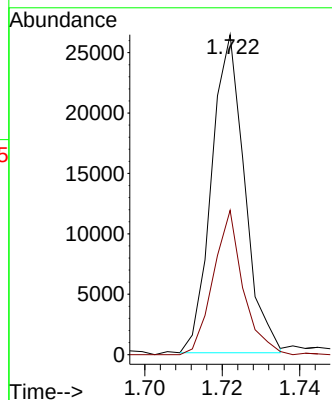
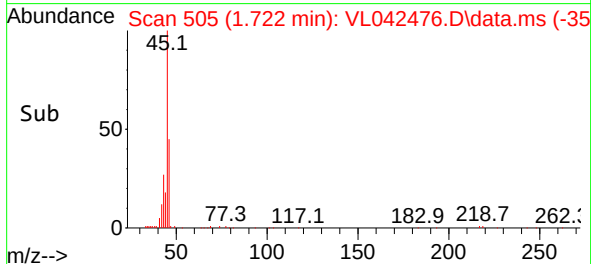
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428



Tgt Ion: 45 Resp: 15590
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

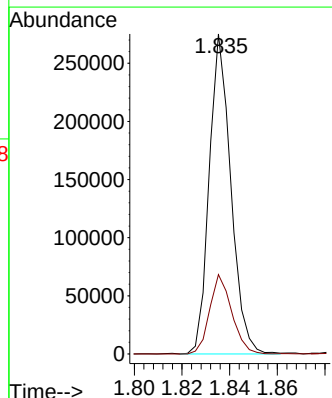
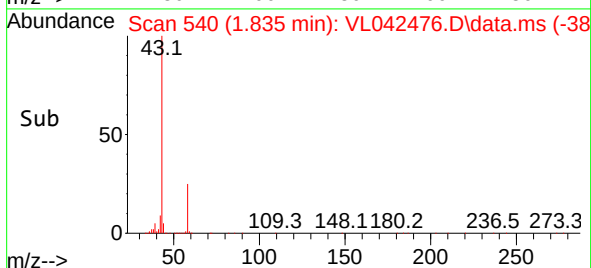
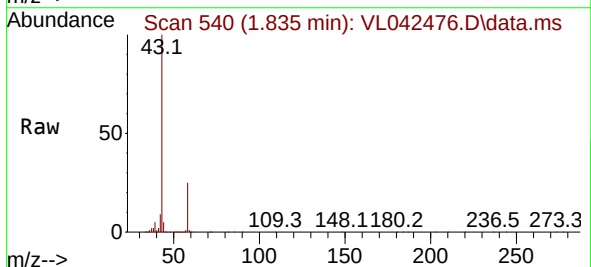
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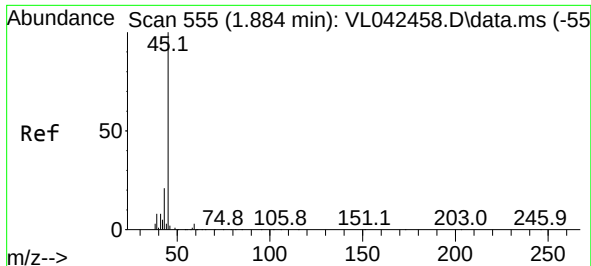
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#15
Acetone
Concen: 12.753 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

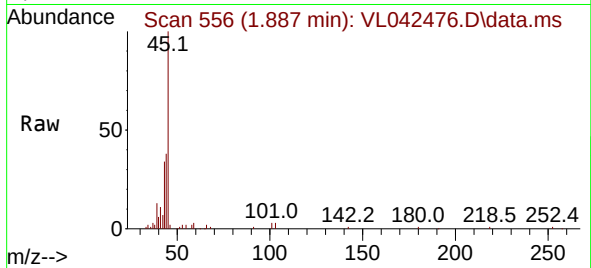
Tgt Ion: 43 Resp: 173519
Ion Ratio Lower Upper
43 100
58 25.5 19.8 29.8





#19
Isopropyl Alcohol
Concen: 1.273 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

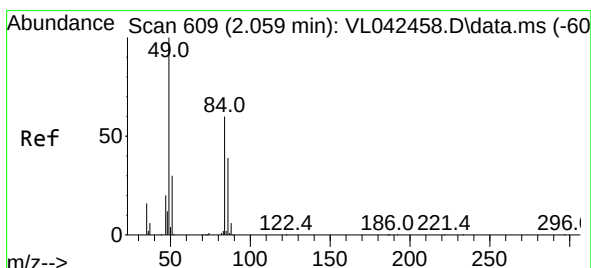
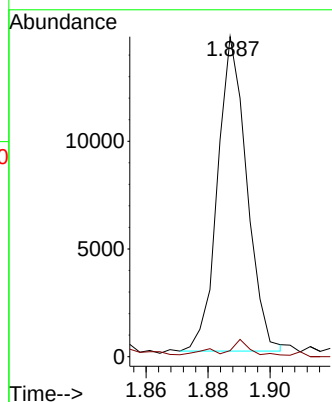
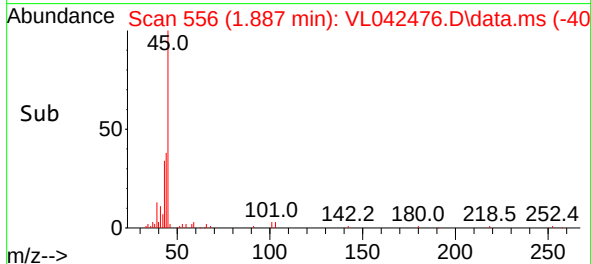
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428



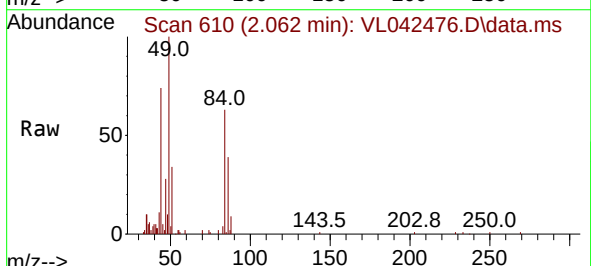
Tgt Ion: 45 Resp: 958
Ion Ratio Lower Upper
45 100
58 460.8 1.6 2.4

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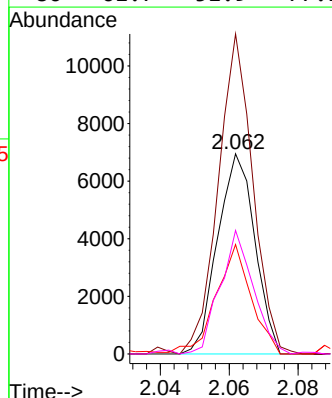
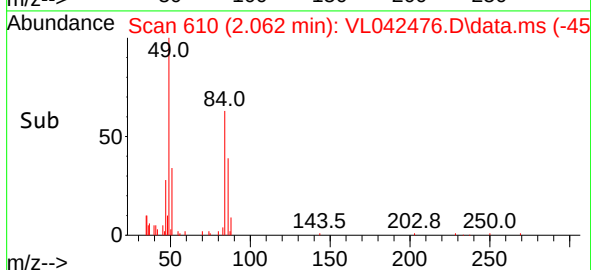
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

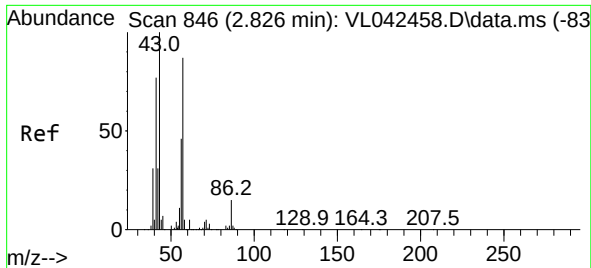


#20
Methylene Chloride
Concen: 1.275 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18



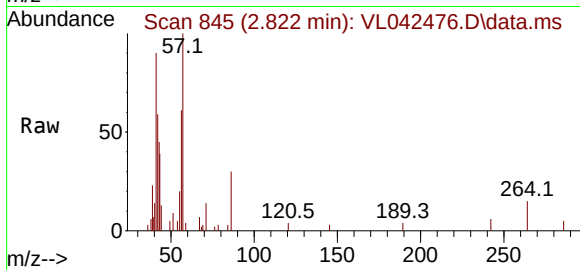
Tgt Ion: 84 Resp: 5214
Ion Ratio Lower Upper
84 100
49 159.9 133.9 200.9
51 54.7 41.0 61.6
86 61.7 51.9 77.9





#26
Hexane
Concen: 0.239 ppbv m
RT: 2.822 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

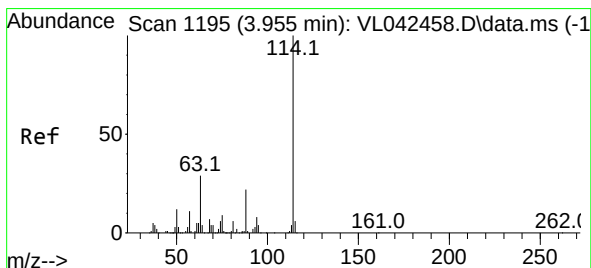
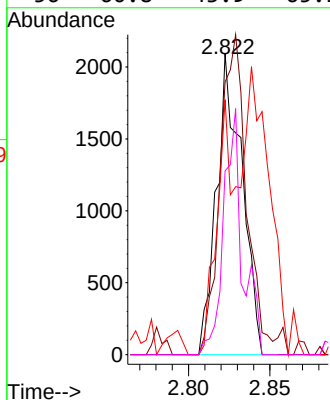
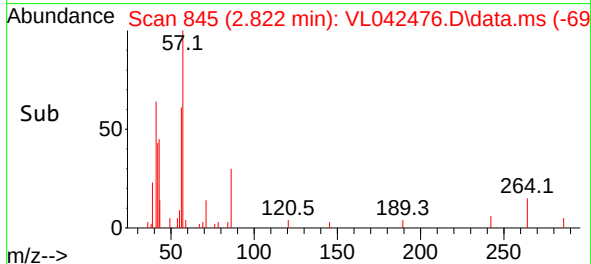
Instrument : MSVOA_L
ClientSampleId : EBR-P06-SC-IA01-20250428



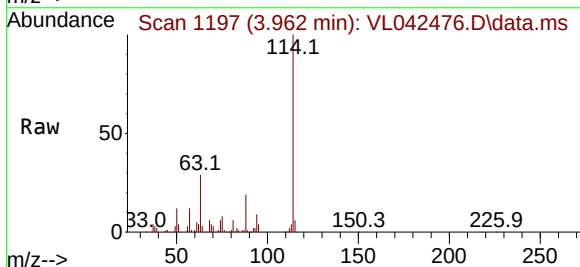
Tgt Ion: 57 Resp: 2264
Ion Ratio Lower Upper
57 100
41 117.1 77.8 116.8
43 162.4 187.0 280.6
56 60.8 43.9 65.9

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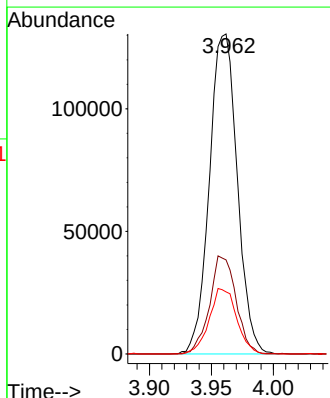
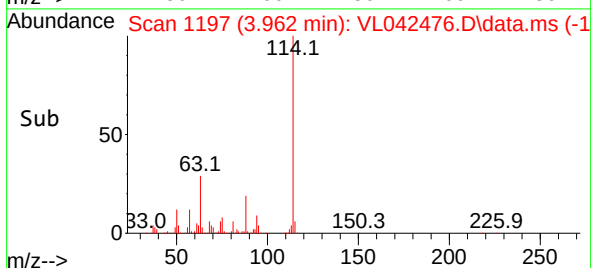
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

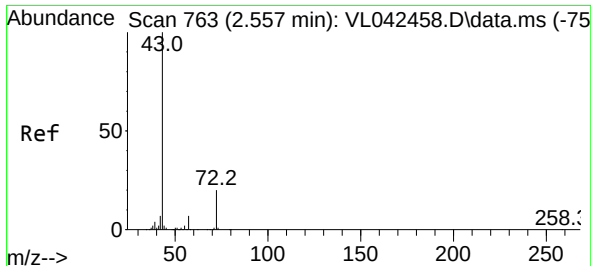


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18



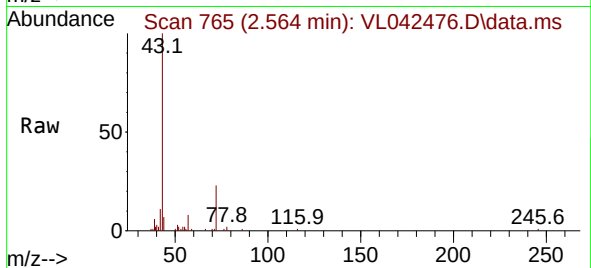
Tgt Ion:114 Resp: 204912
Ion Ratio Lower Upper
114 100
63 29.1 23.1 34.7
88 20.1 16.1 24.1





#34
2-Butanone
Concen: 0.612 ppbv
RT: 2.564 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

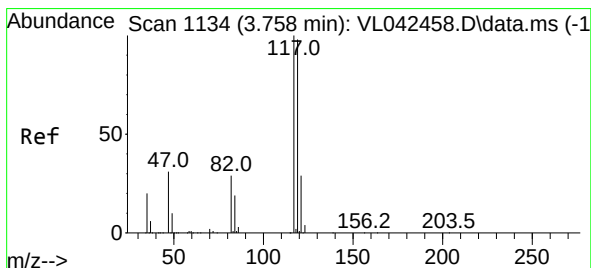
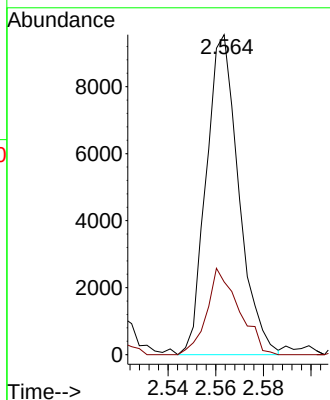
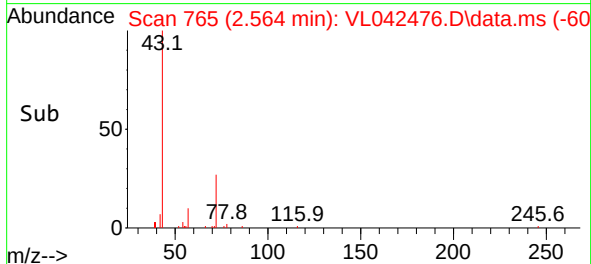
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428



Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
72 26.7 16.7 25.1

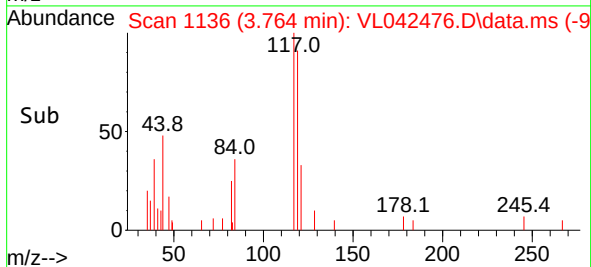
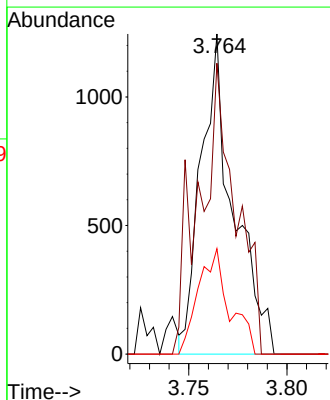
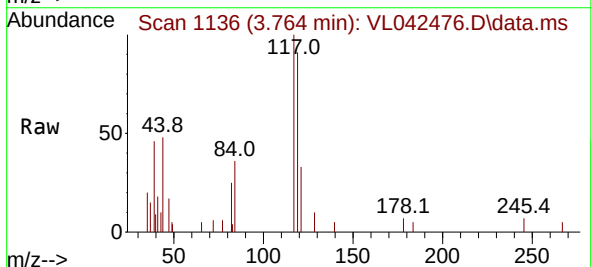
Manual Integrations
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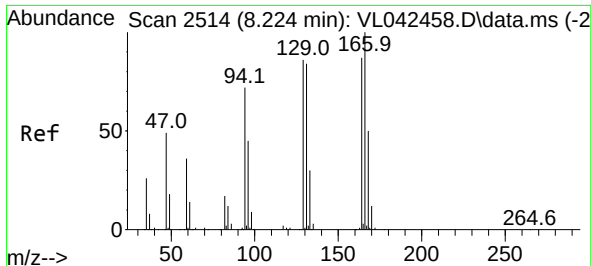
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 3.764 min Scan# 1136
Delta R.T. 0.006 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

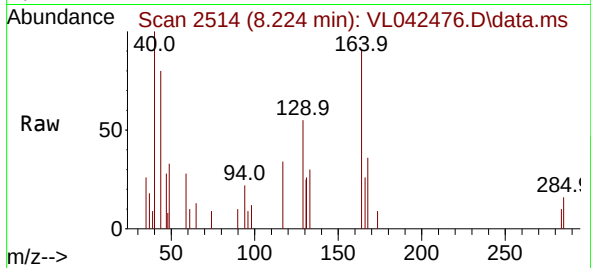
Tgt Ion:117 Resp: 1432
Ion Ratio Lower Upper
117 100
119 90.8 78.1 117.1
121 32.9 23.0 34.6





#52
Tetrachloroethene
Concen: 0.074 ppbv m
RT: 8.224 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

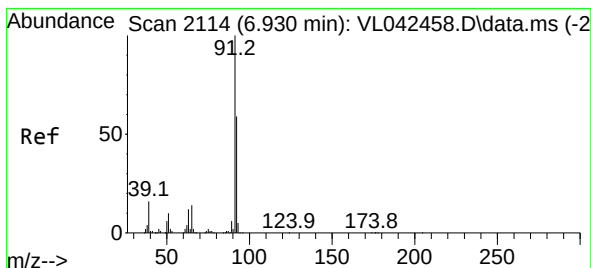
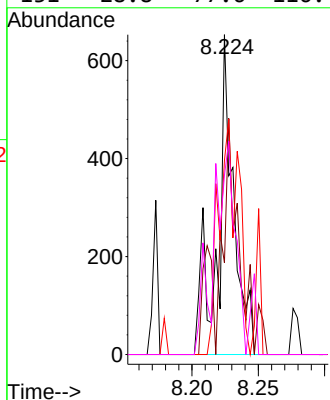
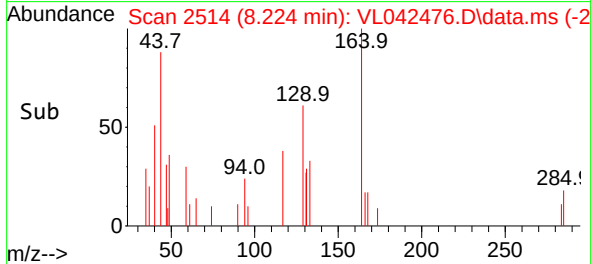
Instrument : MSVOA_L
ClientSampleId : EBR-P06-SC-IA01-20250428



Tgt Ion:164 Resp: 544
Ion Ratio Lower Upper
164 100
166 28.6 91.6 137.4
129 60.6 79.0 118.4
131 28.8 77.6 116.4

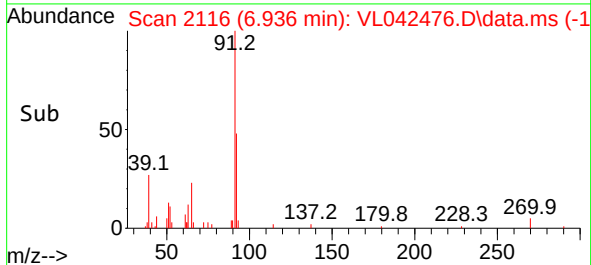
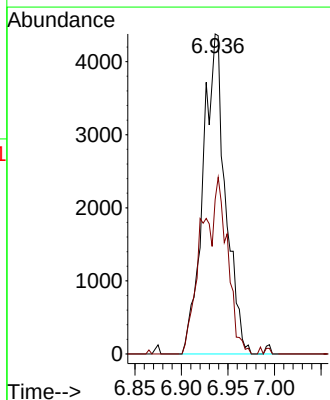
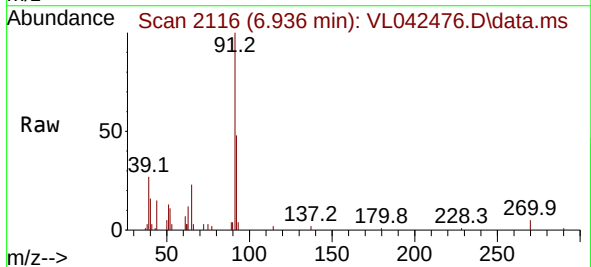
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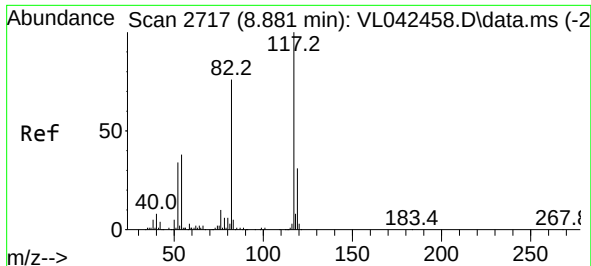
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#53
Toluene
Concen: 0.362 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

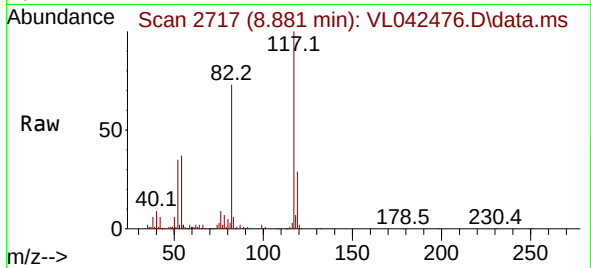
Tgt Ion: 91 Resp: 7400
Ion Ratio Lower Upper
91 100
92 63.9 47.9 71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

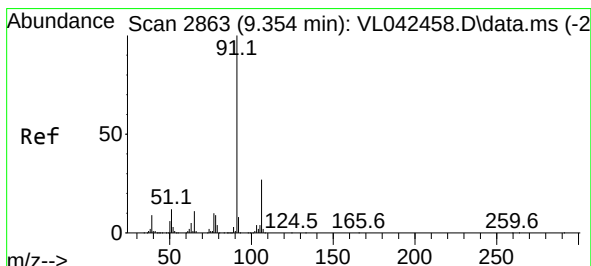
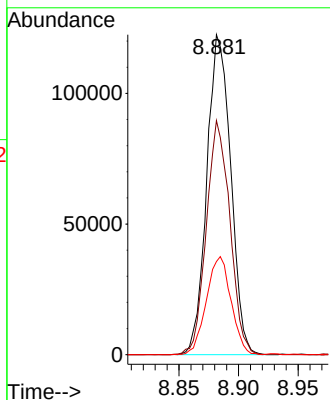
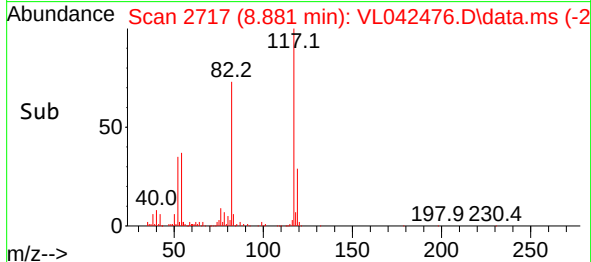
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428



Tgt Ion:117 Resp: 17094
Ion Ratio Lower Upper
117 100
82 72.1 63.5 95.3
119 31.6 25.8 38.8

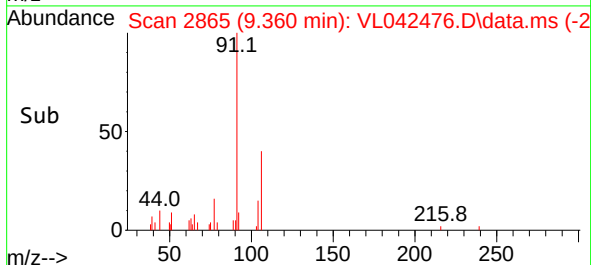
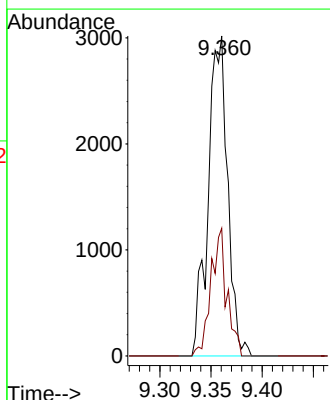
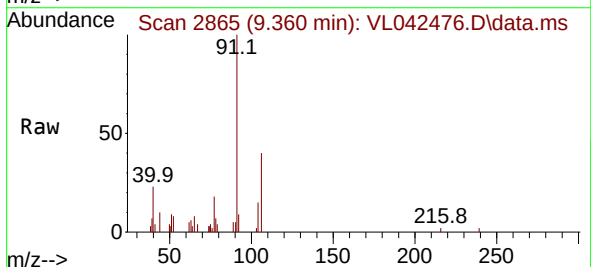
Manual Integrations
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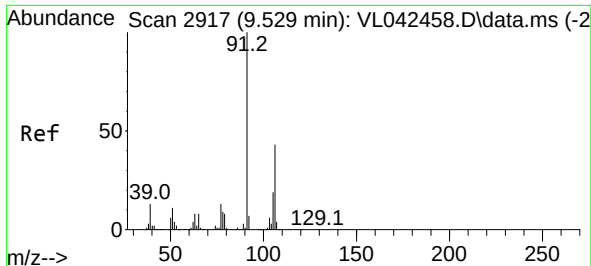
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#58
Ethyl Benzene
Concen: 0.140 ppbv m
RT: 9.360 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

Tgt Ion: 91 Resp: 3994
Ion Ratio Lower Upper
91 100
106 39.9 21.9 32.9#





#59

m/p-Xylene

Concen: 0.424 ppbv m

RT: 9.532 min Scan# 2918

Delta R.T. 0.003 min

Lab File: VL042476.D

Acq: 05 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

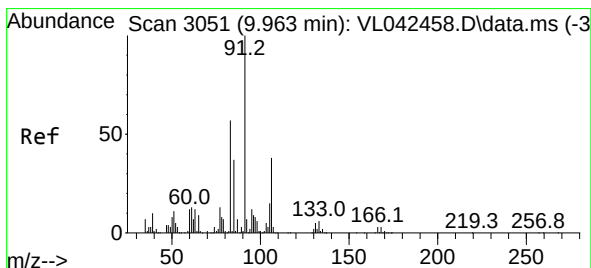
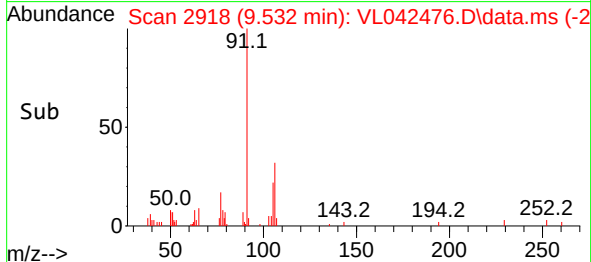
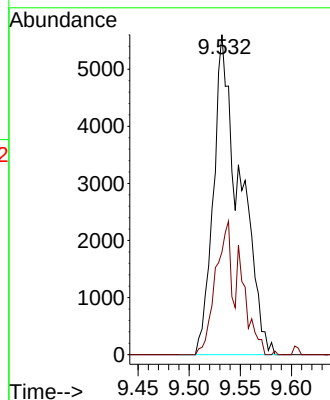
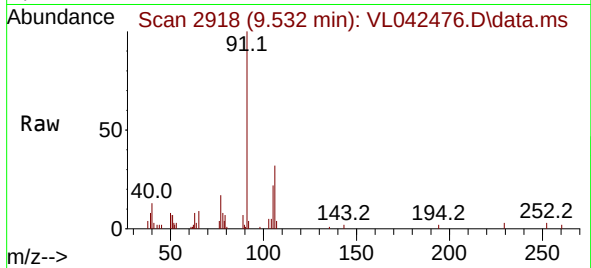
EBR-P06-SC-IA01-20250428

Tgt Ion: 91 Resp: 10140
 Ion Ratio Lower Upper
 91 100
 106 37.6 34.2 51.2

Manual Integrations

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



#60

o-Xylene

Concen: 0.162 ppbv m

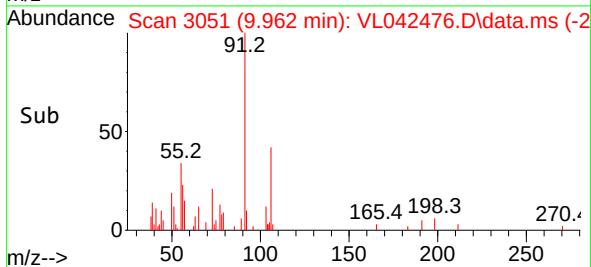
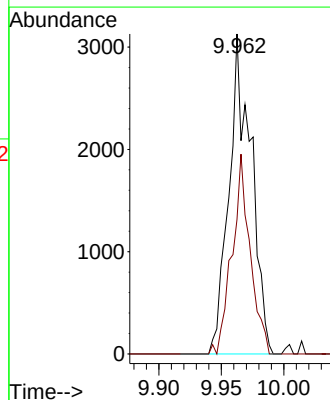
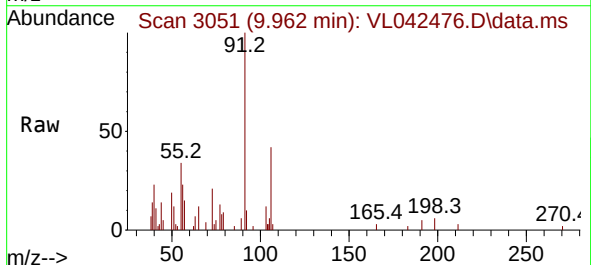
RT: 9.962 min Scan# 3051

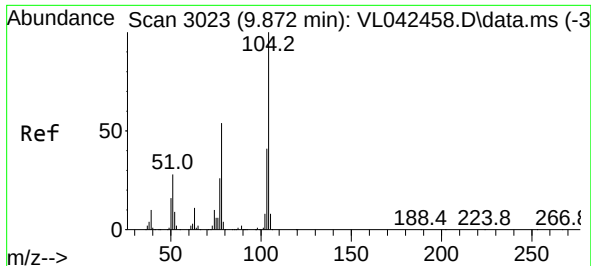
Delta R.T. -0.000 min

Lab File: VL042476.D

Acq: 05 May 2025 15:18

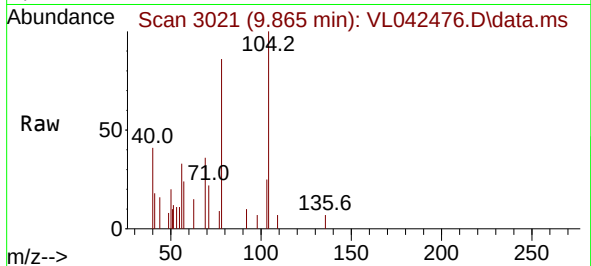
Tgt Ion: 91 Resp: 3875
 Ion Ratio Lower Upper
 91 100
 106 98.5 20.1 60.2#





#61
Styrene
Concen: 0.146 ppbv m
RT: 9.865 min Scan# 3023
Delta R.T. -0.006 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

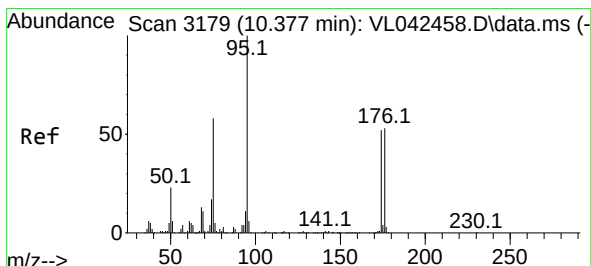
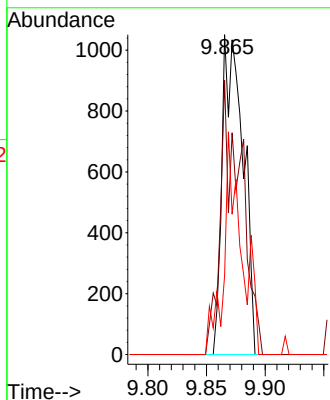
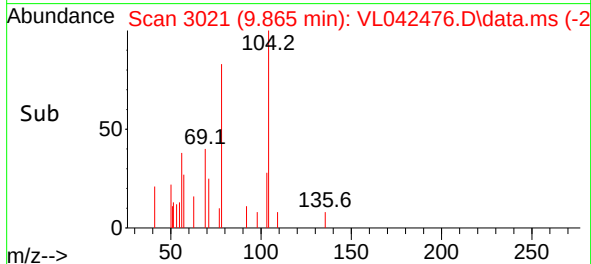
Instrument : MSVOA_L
ClientSampleId : EBR-P06-SC-IA01-20250428



Tgt Ion:104 Resp: 1304
Ion Ratio Lower Upper
104 100
78 0.0 46.9 70.3
103 59.3 36.6 55.0

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.050 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042476.D
Acq: 05 May 2025 15:18

Tgt Ion: 95 Resp: 159284
Ion Ratio Lower Upper
95 100
174 53.7 42.7 64.1
175 4.1 3.6 5.4

