

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042479.D
 Acq On : 05 May 2025 16:59
 Operator : SY/MD
 Sample : Q1927-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P03-SC-IA01-20250428

Manual Integrations
 APPROVED

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

Quant Time: May 06 01:43:44 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	68950	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	192895	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	161884	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	156074	10.399	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6203	0.544	ppbv	99
3) Chlorodifluoromethane	1.476	51	6267m	0.519	ppbv	
4) Chloromethane	1.531	50	2764	0.580	ppbv #	81
9) Propene	1.489	41	15749m	3.991	ppbv	
11) Trichlorofluoromethane	1.877	101	3702	0.352	ppbv	85
13) Ethanol	1.722	45	69923	87.324	ppbv	98
15) Acetone	1.835	43	83945	6.669	ppbv	94
19) Isopropyl Alcohol	1.887	45	37731m	5.416	ppbv	
20) Methylene Chloride	2.062	84	2323	0.614	ppbv	91
26) Hexane	2.829	57	1523m	0.173	ppbv	
34) 2-Butanone	2.564	43	8223	0.589	ppbv	92
35) Carbon Tetrachloride	3.768	117	1479m	0.084	ppbv	
36) Benzene	3.654	78	1907m	0.105	ppbv	
53) Toluene	6.936	91	15497m	0.804	ppbv	
58) Ethyl Benzene	9.354	91	2768m	0.102	ppbv	
59) m/p-Xylene	9.535	91	7750m	0.342	ppbv	
60) o-Xylene	9.963	91	2307m	0.102	ppbv	

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

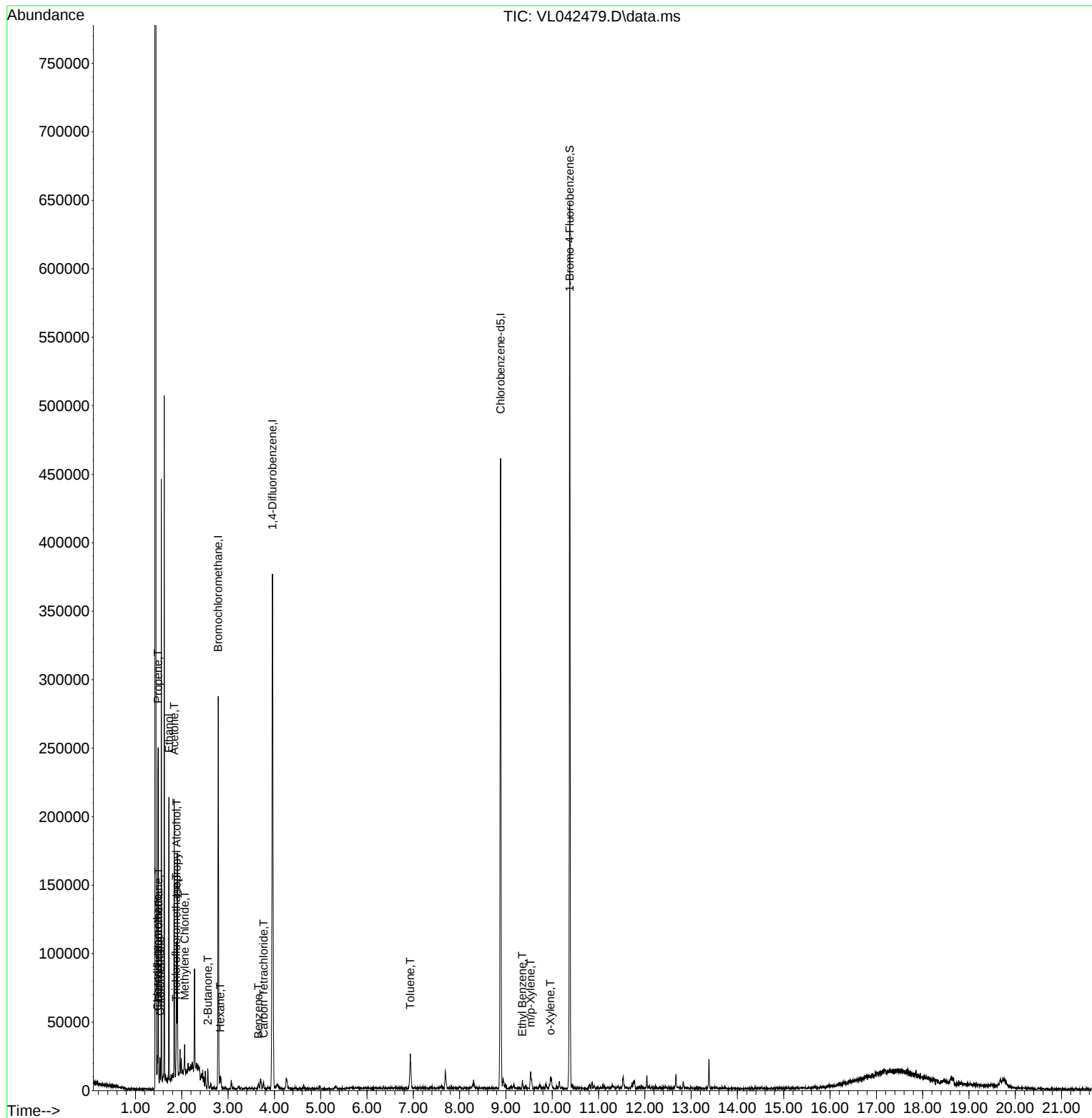
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042479.D
Acq On : 05 May 2025 16:59
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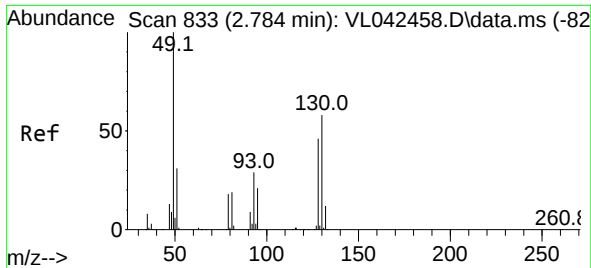
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428

Quant Time: May 06 01:43:44 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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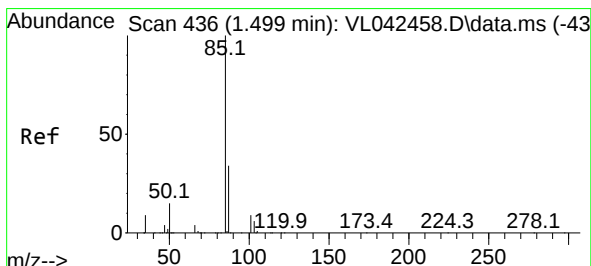
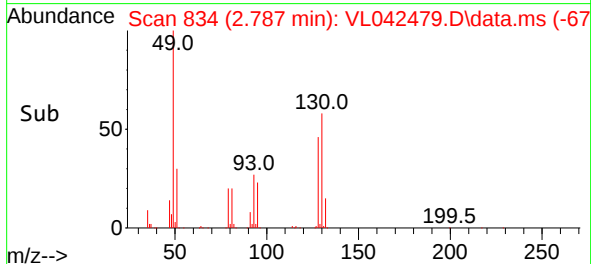
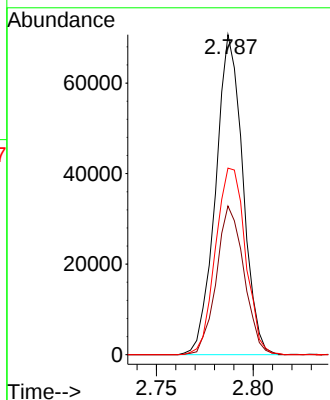
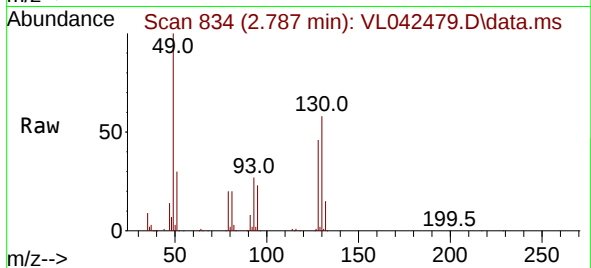
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428

Tgt Ion: 49 Resp: 68950
Ion Ratio Lower Upper
49 100
128 47.1 23.3 69.9
130 64.3 29.5 88.6

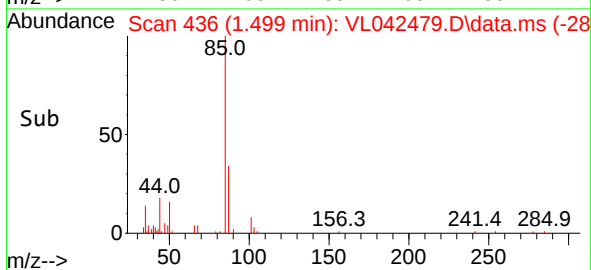
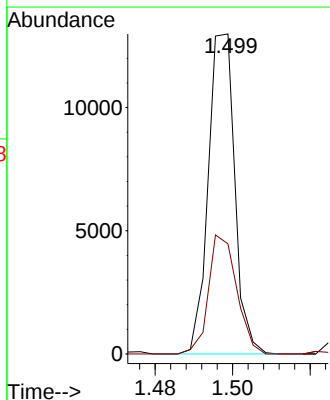
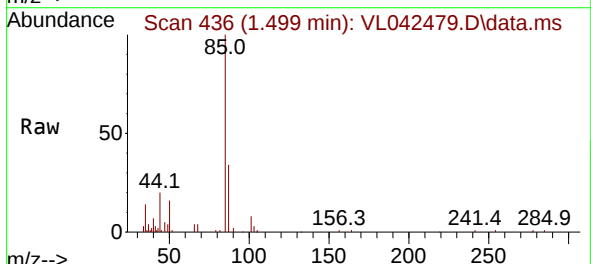
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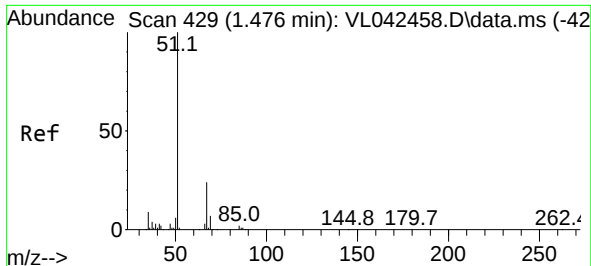
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 0.544 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

Tgt Ion: 85 Resp: 6203
Ion Ratio Lower Upper
85 100
87 34.4 26.9 40.3





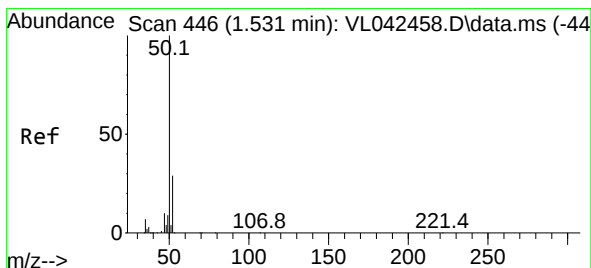
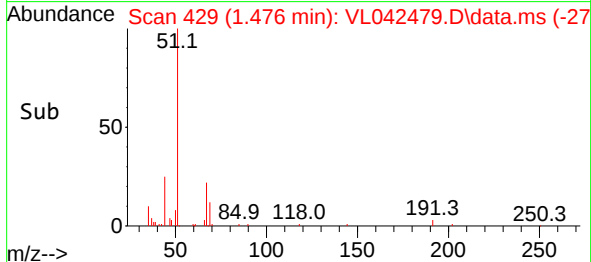
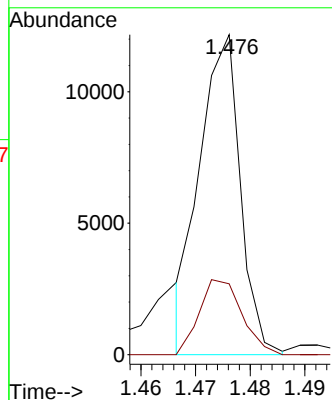
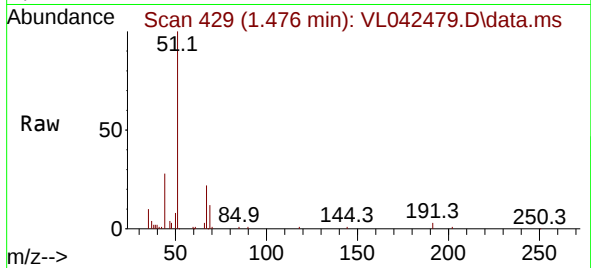
#3
Chlorodifluoromethane
Concen: 0.519 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428

Tgt Ion: 51 Resp: 626
Ion Ratio Lower Upper
51 100
67 24.9 18.4 27.6

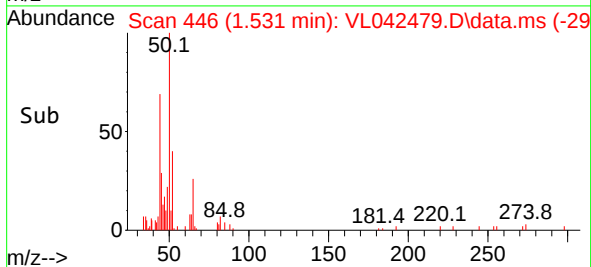
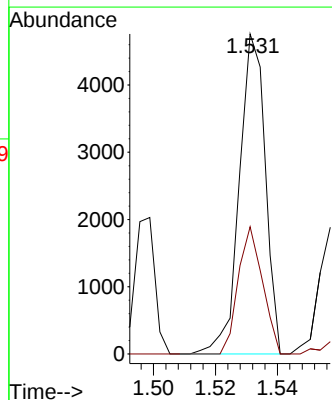
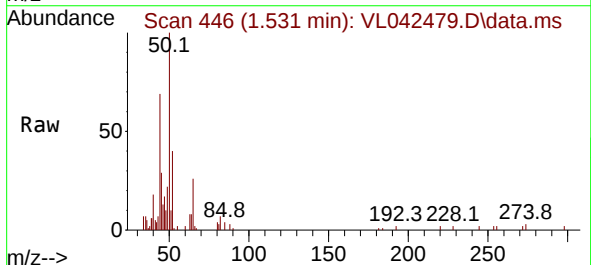
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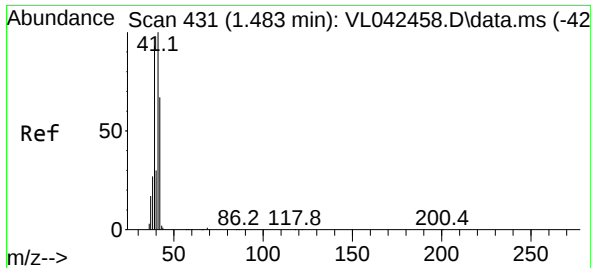
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Chloromethane
Concen: 0.580 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

Tgt Ion: 50 Resp: 2764
Ion Ratio Lower Upper
50 100
52 39.7 23.5 35.3#





#9

Propene

Concen: 3.991 ppbv m

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042479.D

Acq: 05 May 2025 16:59

Instrument :

MSVOA_L

ClientSampleId :

EBR-P03-SC-IA01-20250428

Tgt Ion: 41 Resp: 15749

Ion Ratio Lower Upper

41 100

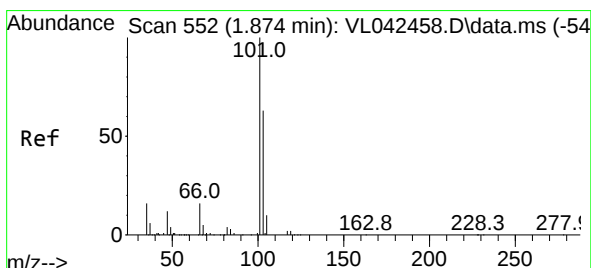
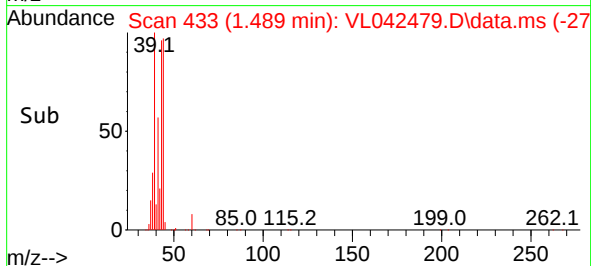
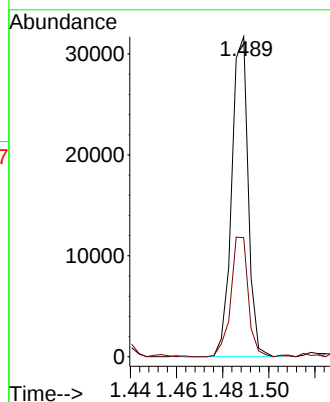
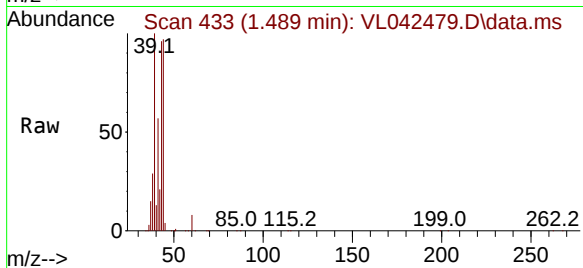
42 211.9 54.3 81.5

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Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#11

Trichlorofluoromethane

Concen: 0.352 ppbv

RT: 1.877 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL042479.D

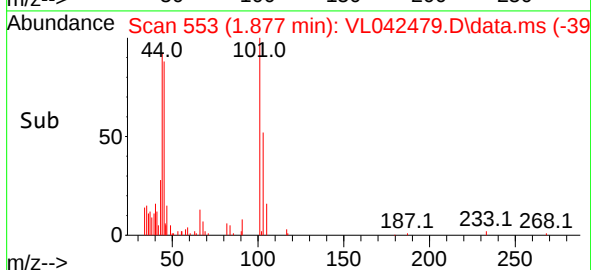
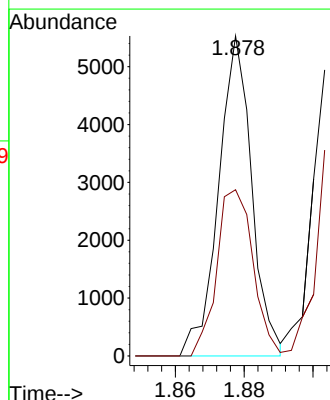
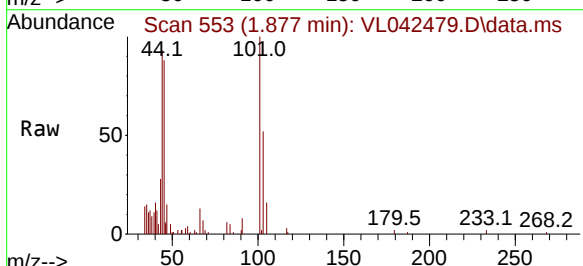
Acq: 05 May 2025 16:59

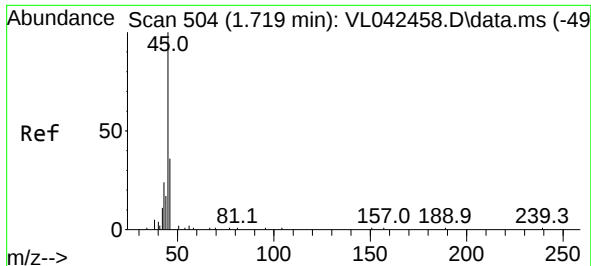
Tgt Ion:101 Resp: 3702

Ion Ratio Lower Upper

101 100

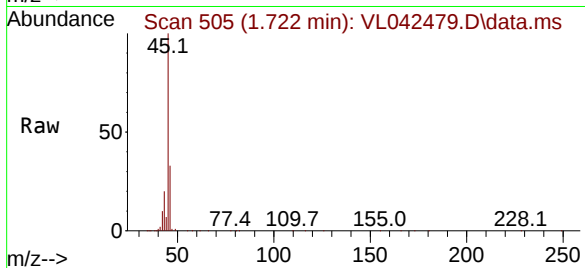
103 52.0 50.6 76.0





#13
Ethanol
Concen: 87.324 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

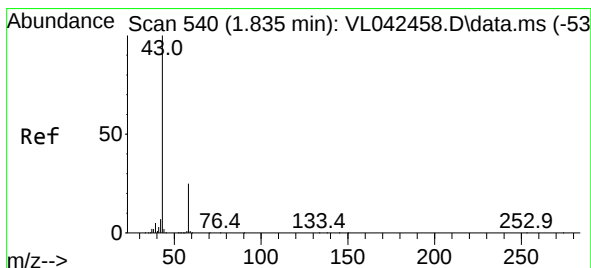
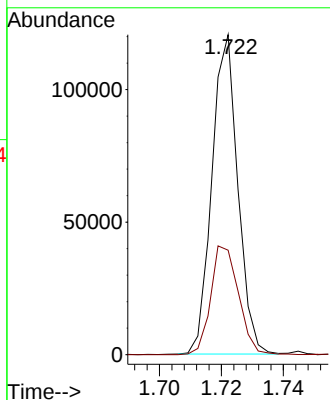
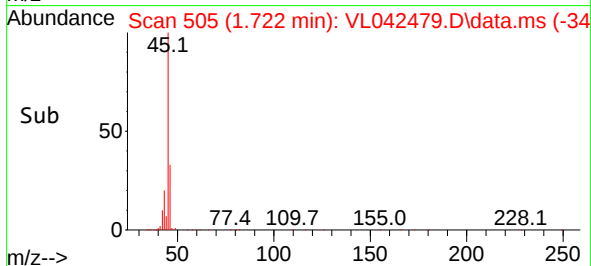
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428



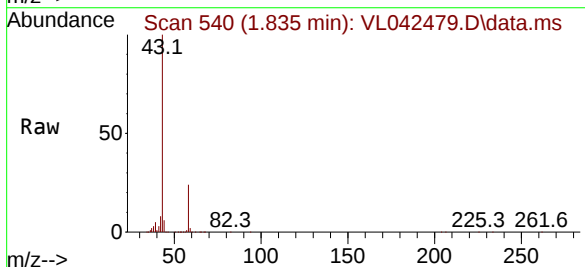
Tgt Ion: 45 Resp: 69923
Ion Ratio Lower Upper
45 100
46 36.8 15.3 61.1

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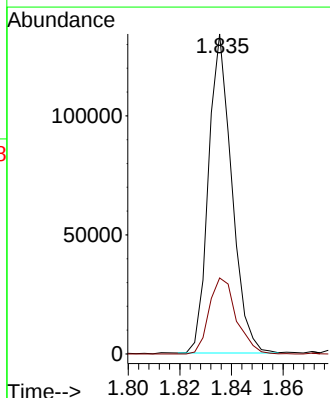
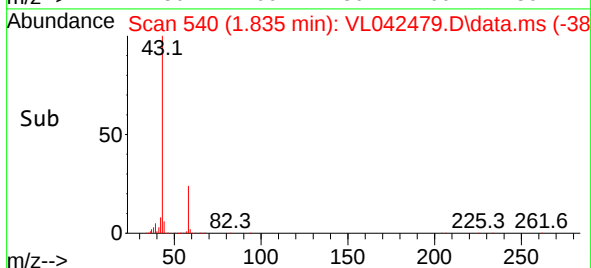
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

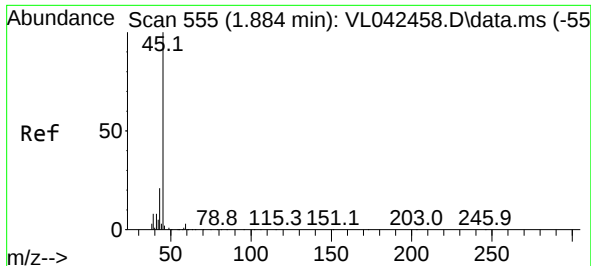


#15
Acetone
Concen: 6.669 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59



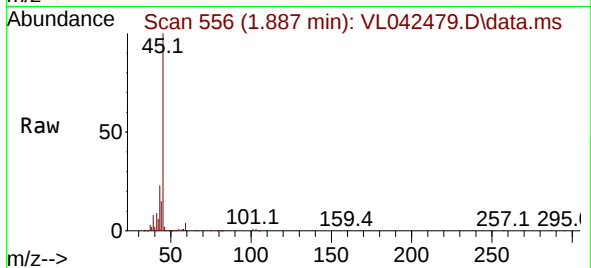
Tgt Ion: 43 Resp: 83945
Ion Ratio Lower Upper
43 100
58 27.7 19.8 29.8





#19
Isopropyl Alcohol
Concen: 5.416 ppbv m
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

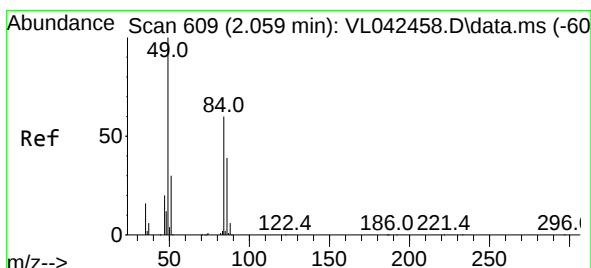
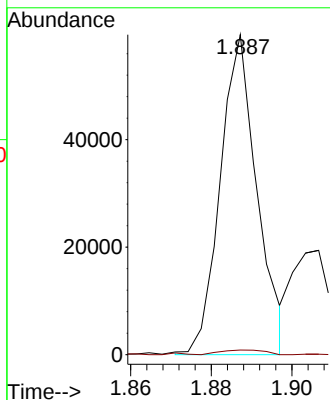
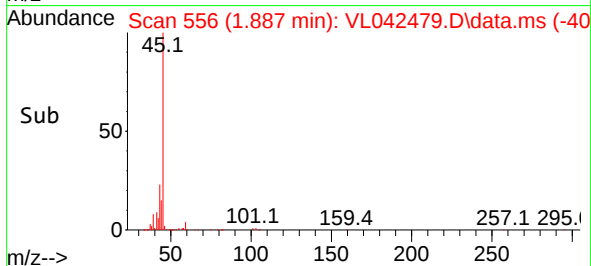
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428



Tgt Ion: 45 Resp: 3773
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4

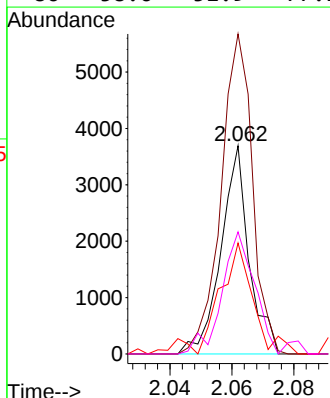
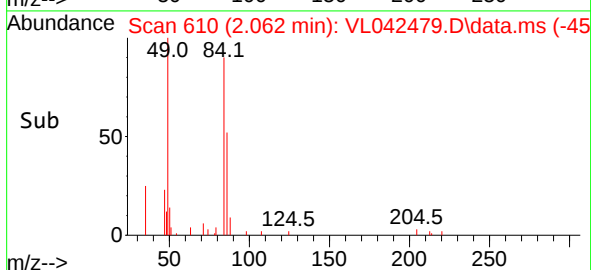
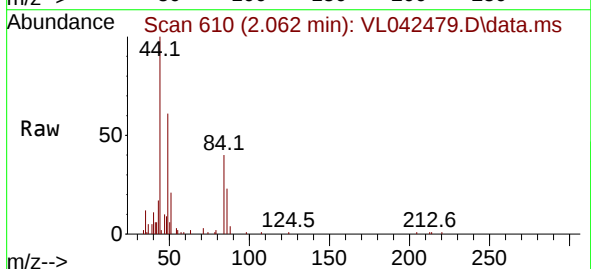
Manual Integrations
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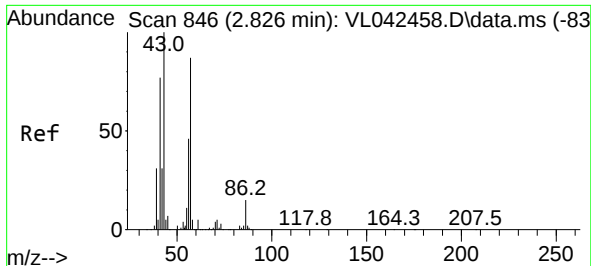
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#20
Methylene Chloride
Concen: 0.614 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

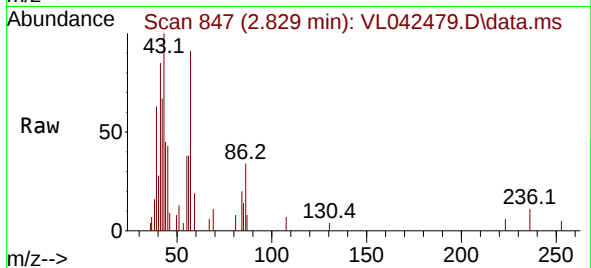
Tgt Ion: 84 Resp: 2323
Ion Ratio Lower Upper
84 100
49 153.7 133.9 200.9
51 45.9 41.0 61.6
86 58.6 51.9 77.9





#26
Hexane
Concen: 0.173 ppbv m
RT: 2.829 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

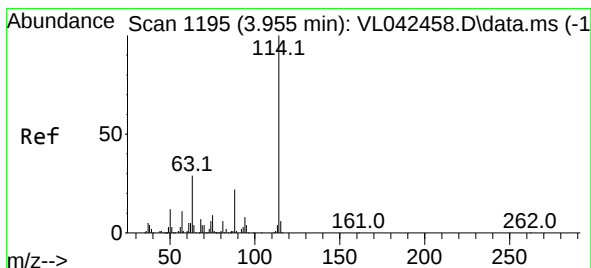
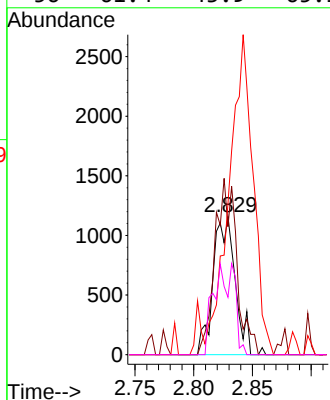
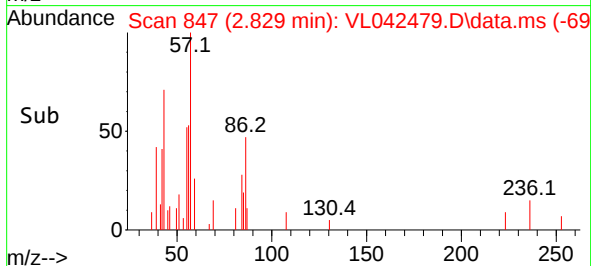
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428



Tgt Ion: 57 Resp: 1523
Ion Ratio Lower Upper
57 100
41 129.2 77.8 116.8
43 0.0 187.0 280.6
56 61.4 43.9 65.9

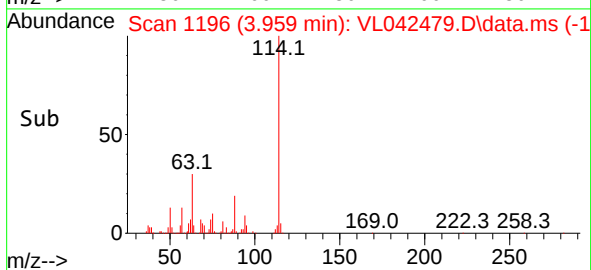
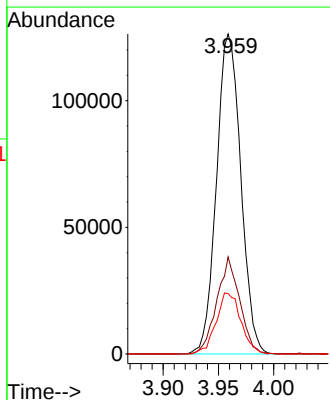
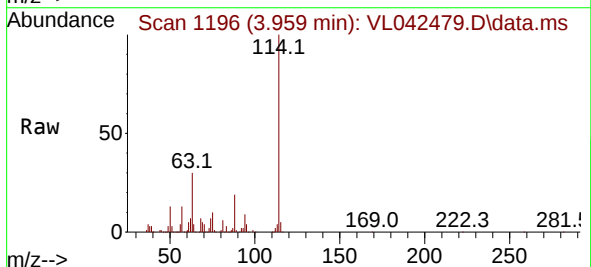
Manual Integrations
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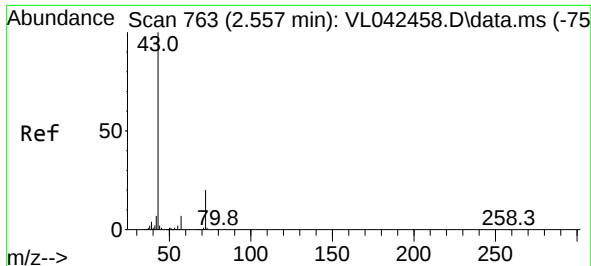
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

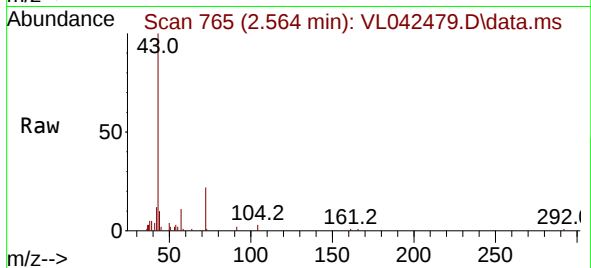
Tgt Ion:114 Resp: 192895
Ion Ratio Lower Upper
114 100
63 28.5 23.1 34.7
88 19.5 16.1 24.1





#34
2-Butanone
Concen: 0.589 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

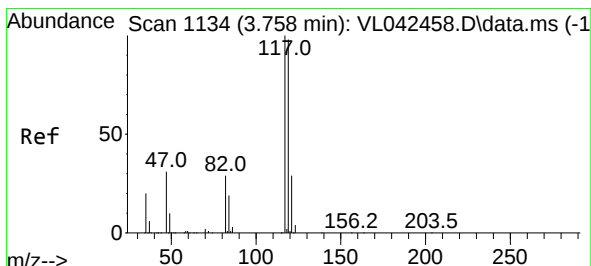
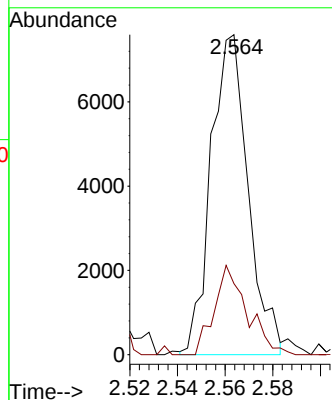
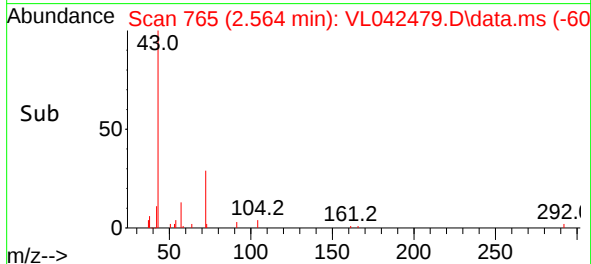
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428



Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
72 24.7 16.7 25.1

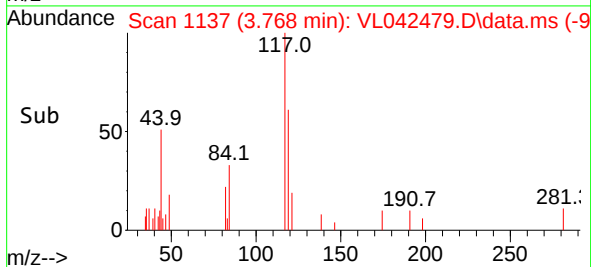
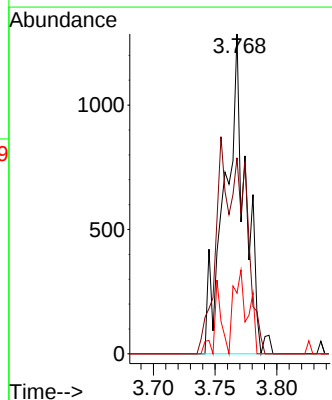
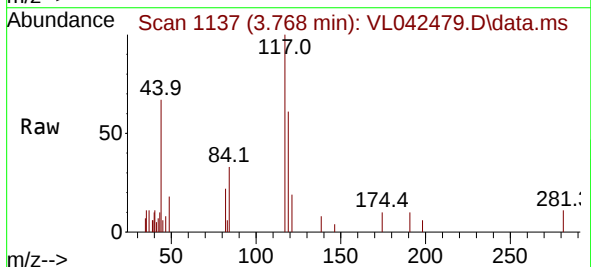
Manual Integrations
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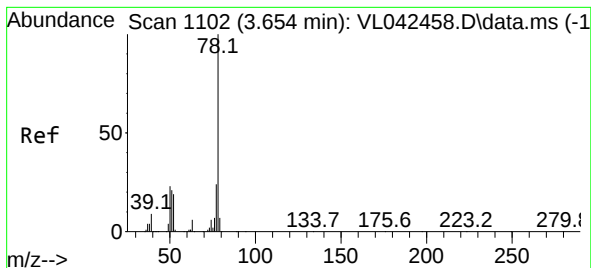
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#35
Carbon Tetrachloride
Concen: 0.084 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

Tgt Ion:117 Resp: 1479
Ion Ratio Lower Upper
117 100
119 61.3 78.1 117.1#
121 19.0 23.0 34.6#





#36

Benzene

Concen: 0.105 ppbv m

RT: 3.654 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VL042479.D

Acq: 05 May 2025 16:59

Instrument :

MSVOA_L

ClientSampleId :

EBR-P03-SC-IA01-20250428

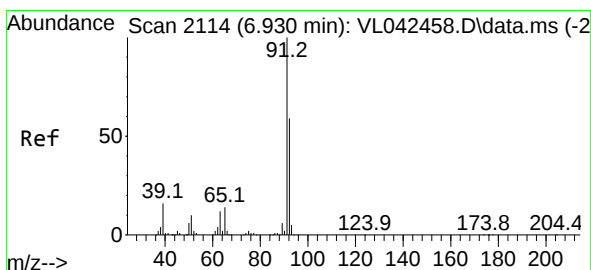
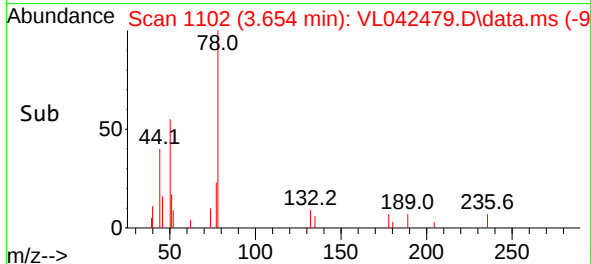
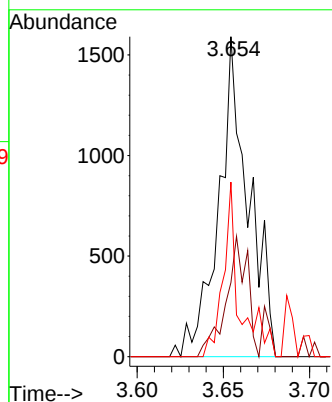
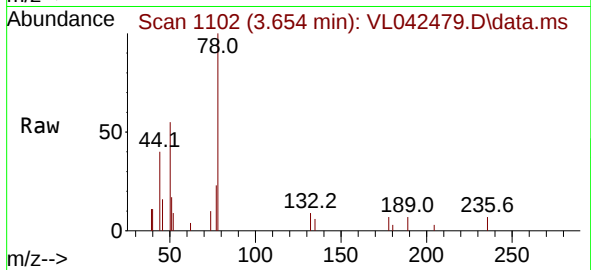
Tgt Ion: 78 Resp: 190

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3
50	54.6	18.4	27.6

Manual Integrations

APPROVED

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



#53

Toluene

Concen: 0.804 ppbv m

RT: 6.936 min Scan# 2116

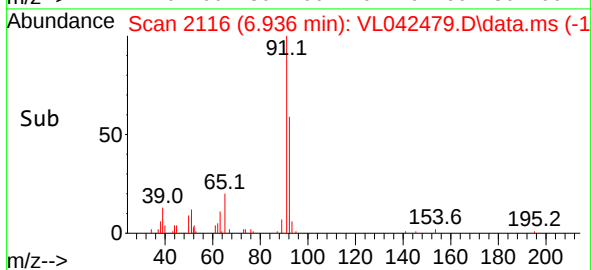
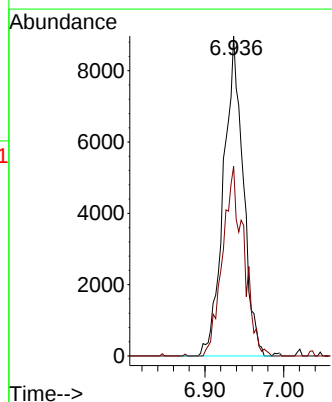
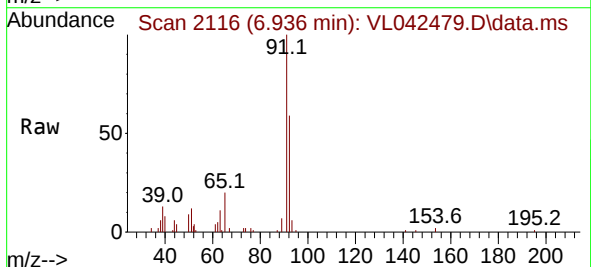
Delta R.T. 0.007 min

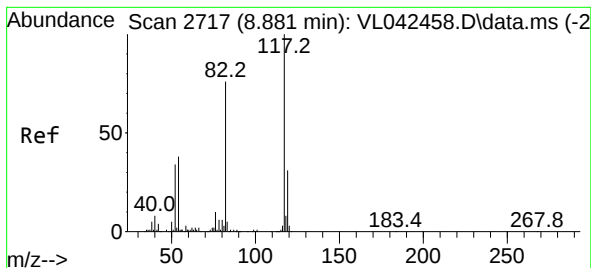
Lab File: VL042479.D

Acq: 05 May 2025 16:59

Tgt Ion: 91 Resp: 15497

Ion	Ratio	Lower	Upper
91	100		
92	64.1	47.9	71.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042479.D

Acq: 05 May 2025 16:59

Instrument :

MSVOA_L

ClientSampleId :

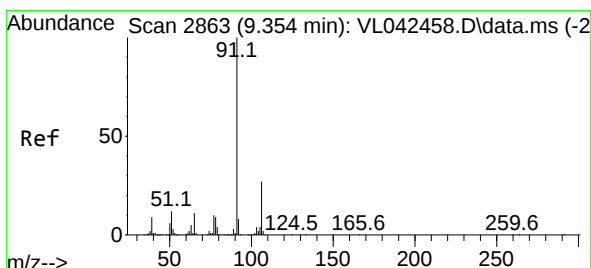
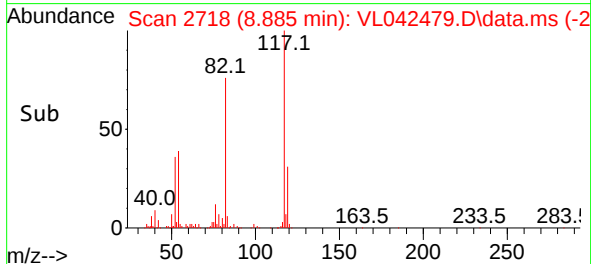
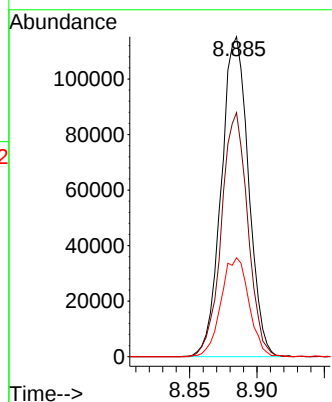
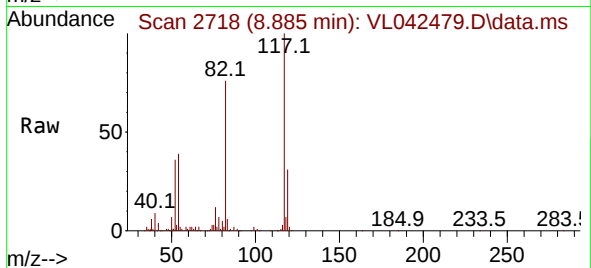
EBR-P03-SC-IA01-20250428

Tgt Ion:	117	Resp:	161884
Ion	Ratio	Lower	Upper
117	100		
82	73.8	63.5	95.3
119	31.9	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: 0.102 ppbv m

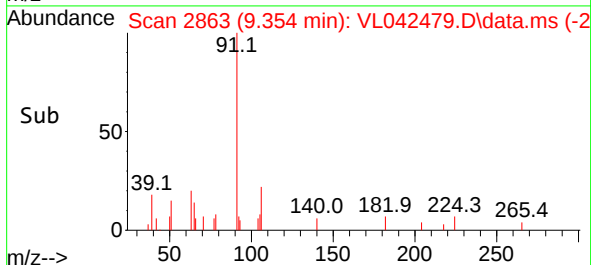
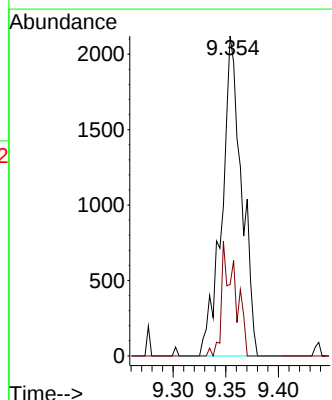
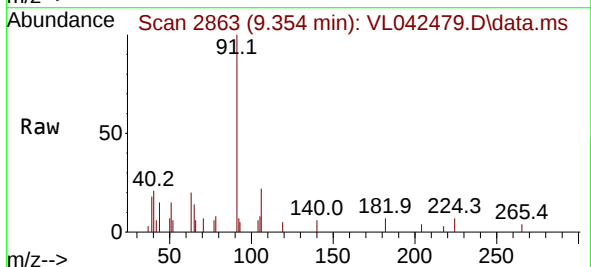
RT: 9.354 min Scan# 2863

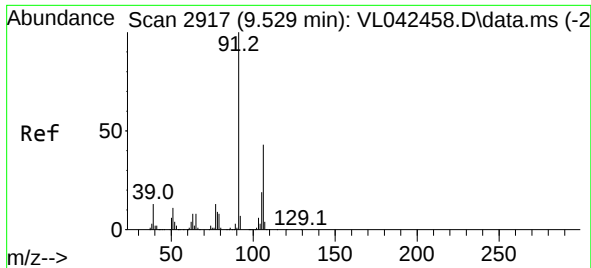
Delta R.T. 0.000 min

Lab File: VL042479.D

Acq: 05 May 2025 16:59

Tgt Ion:	91	Resp:	2768
Ion	Ratio	Lower	Upper
91	100		
106	22.3	21.9	32.9





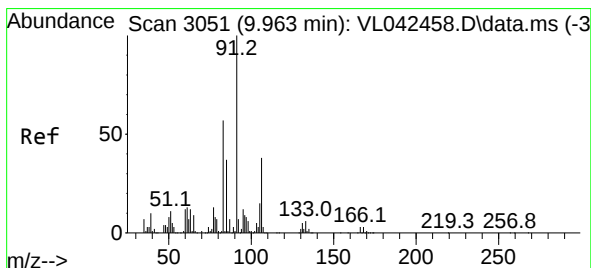
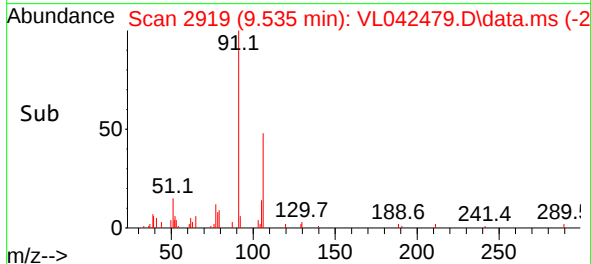
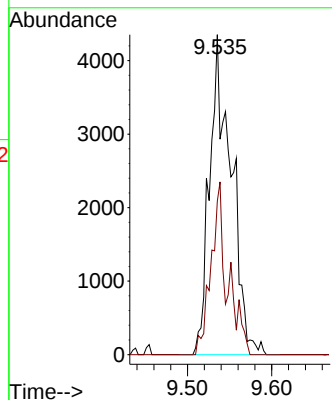
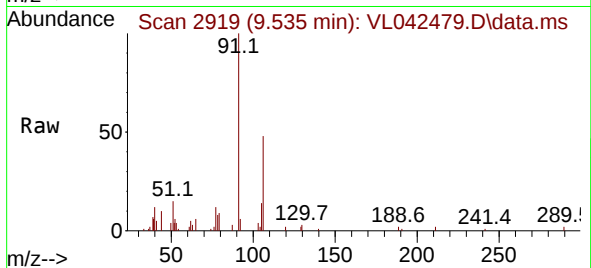
#59
m/p-Xylene
Concen: 0.342 ppbv m
RT: 9.535 min Scan# 2917
Delta R.T. 0.007 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428

Tgt Ion: 91 Resp: 7750
Ion Ratio Lower Upper
91 100
106 41.3 34.2 51.2

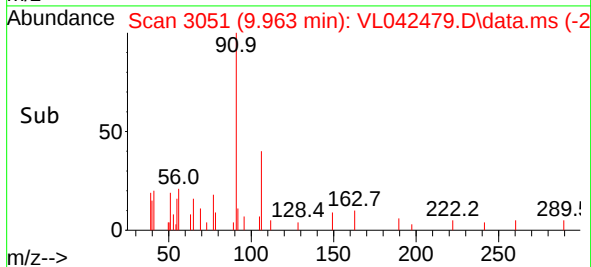
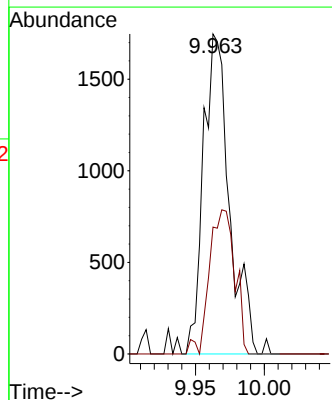
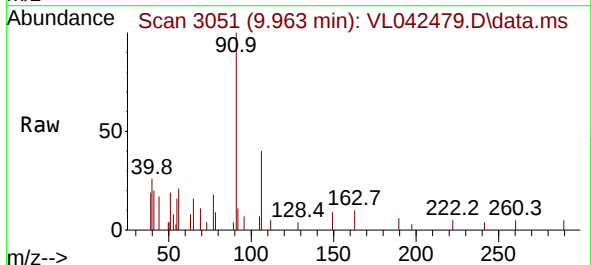
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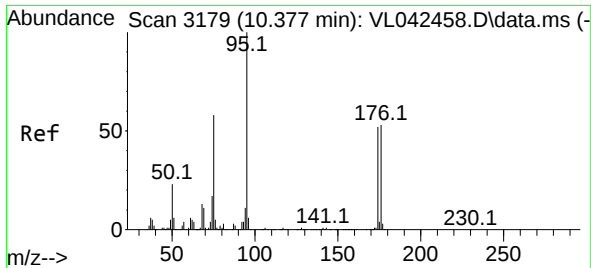
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#60
o-Xylene
Concen: 0.102 ppbv m
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042479.D
Acq: 05 May 2025 16:59

Tgt Ion: 91 Resp: 2307
Ion Ratio Lower Upper
91 100
106 43.9 20.1 60.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.399 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL042479.D
 Acq: 05 May 2025 16:59

Instrument : MSVOA_L
 ClientSampleId : EBR-P03-SC-IA01-20250428

Tgt Ion: 95 Resp: 156074
 Ion Ratio Lower Upper
 95 100
 174 53.4 42.7 64.1
 175 4.5 3.6 5.4

Manual Integrations
 APPROVED

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

