

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042481.D
 Acq On : 05 May 2025 18:06
 Operator : SY/MD
 Sample : Q1927-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P07-SC-IA01-20250428

Manual Integrations
 APPROVED

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

Quant Time: May 06 01:44:38 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	68224	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	186800	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	160233	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	147117	9.903	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	9574	0.848	ppbv	93
3) Chlorodifluoromethane	1.476	51	2620m	0.219	ppbv	
4) Chloromethane	1.531	50	2964	0.628	ppbv	96
9) Propene	1.489	41	2999m	0.768	ppbv	
11) Trichlorofluoromethane	1.881	101	10543	1.012	ppbv	92
13) Ethanol	1.722	45	95194	120.149	ppbv	98
15) Acetone	1.839	43	53121	4.265	ppbv	93
19) Isopropyl Alcohol	1.887	45	69736	10.117	ppbv	100
20) Methylene Chloride	2.065	84	6011	1.605	ppbv	96
26) Hexane	2.829	57	2162m	0.249	ppbv	
34) 2-Butanone	2.567	43	4742	0.351	ppbv	92
35) Carbon Tetrachloride	3.768	117	1264m	0.074	ppbv	
36) Benzene	3.661	78	1777m	0.101	ppbv	
41) Tetrahydrofuran	3.068	42	1504m	0.234	ppbv	
53) Toluene	6.946	91	3015m	0.162	ppbv	
59) m/p-Xylene	9.545	91	2458m	0.109	ppbv	

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

Manual Integrations

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Abundance

TIC: VL042481.D\data.ms

Time-->

1.2 min

1.5 min Ethanol

1.8 min Isopropyl Alcohol, T

2.2 min Methylene Chloride, T

2.8 min 2-Butanone, T

3.2 min Tetrahydrofuran, T

3.8 min Perchloroethylene, T

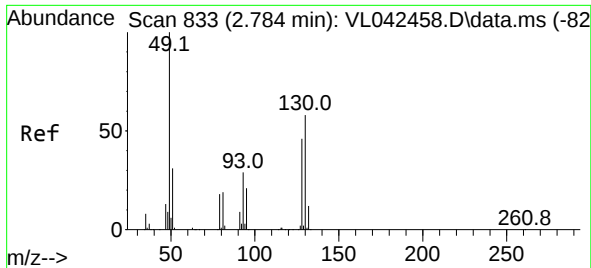
4.2 min 1,4-Difluorobenzene, I

7.2 min Toluene, T

9.2 min Chlorobenzene-d5, I

10.2 min m/p-Xylene, T

10.8 min 1-Bromo-4-Fluorobenzene, S



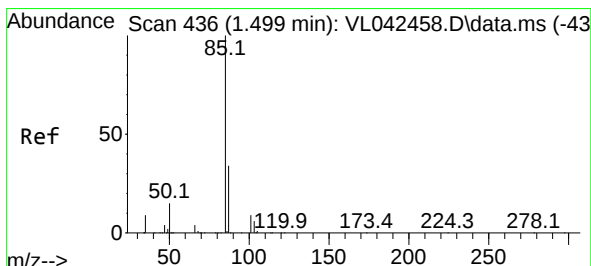
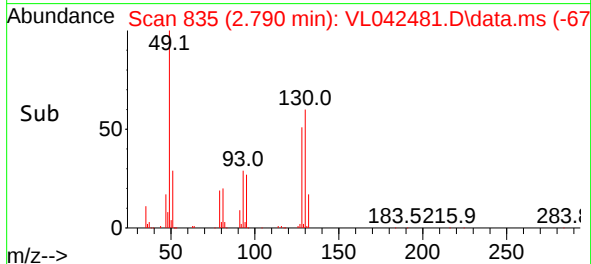
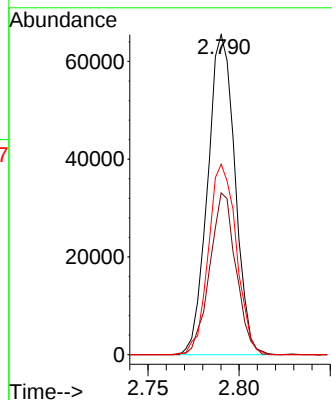
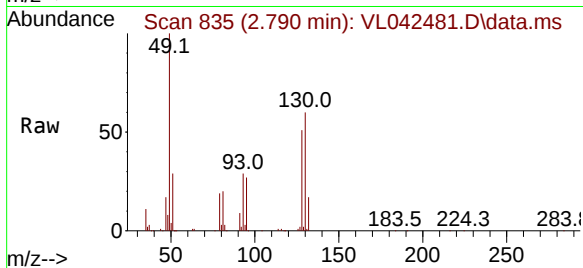
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 833
Delta R.T. 0.006 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Instrument : MSVOA_L
ClientSampleId : EBR-P07-SC-IA01-20250428

Tgt Ion: 49 Resp: 68224
Ion Ratio Lower Upper
49 100
128 48.6 23.3 69.9
130 61.0 29.5 88.6

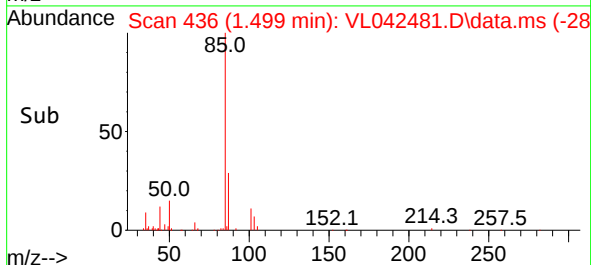
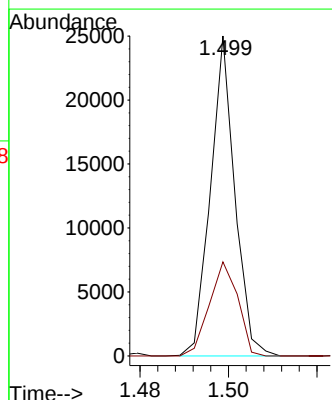
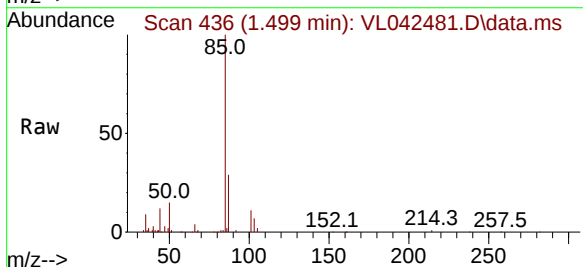
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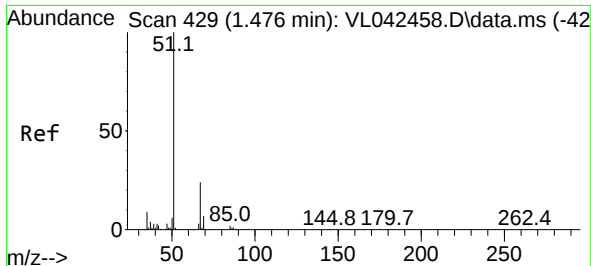
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 0.848 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 85 Resp: 9574
Ion Ratio Lower Upper
85 100
87 29.4 26.9 40.3





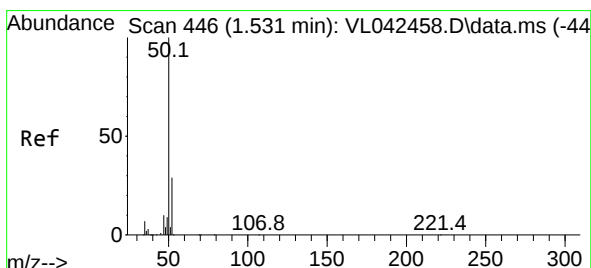
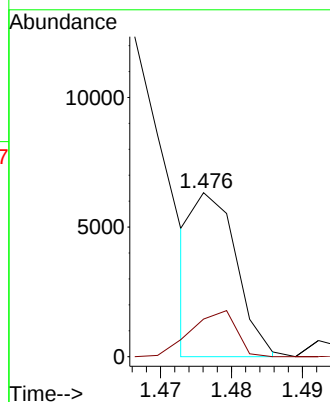
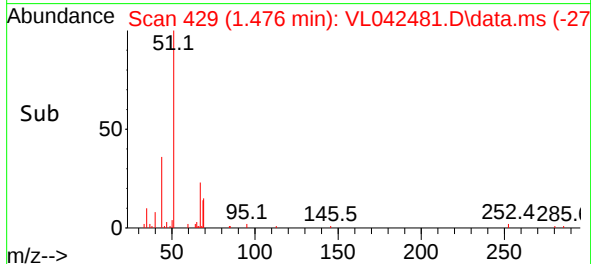
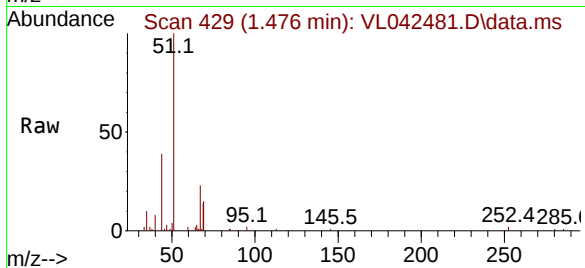
#3
Chlorodifluoromethane
Concen: 0.219 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

Tgt Ion: 51 Resp: 2620
Ion Ratio Lower Upper
51 100
67 31.1 18.4 27.6

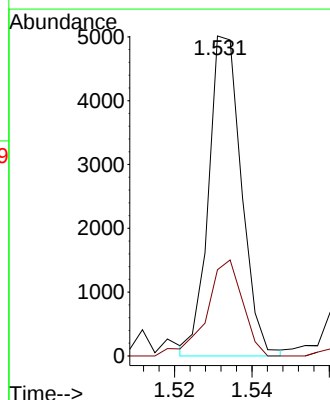
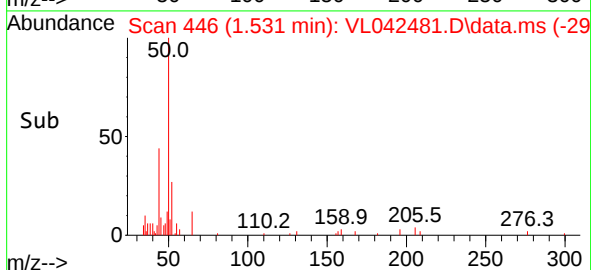
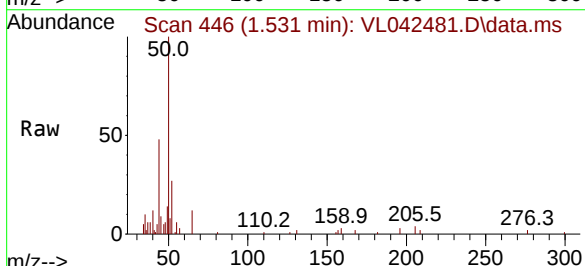
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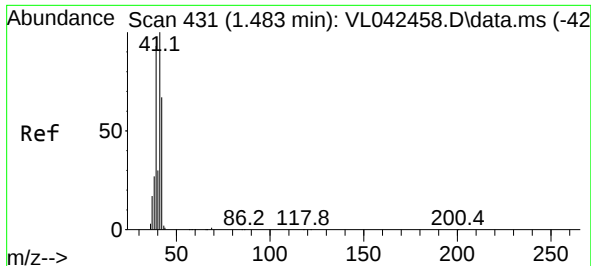
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Chloromethane
Concen: 0.628 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 50 Resp: 2964
Ion Ratio Lower Upper
50 100
52 27.5 23.5 35.3





#9

Propene

Concen: 0.768 ppbv m

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042481.D

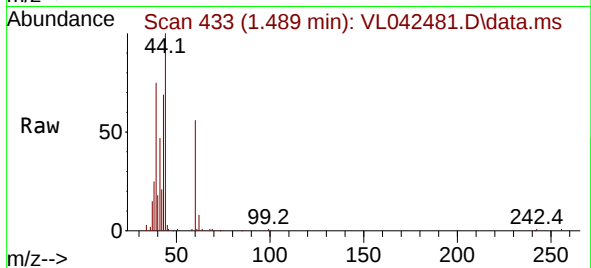
Acq: 05 May 2025 18:06

Instrument :

MSVOA_L

ClientSampleId :

EBR-P07-SC-IA01-20250428



Tgt Ion: 41 Resp: 2999

Ion Ratio Lower Upper

41 100

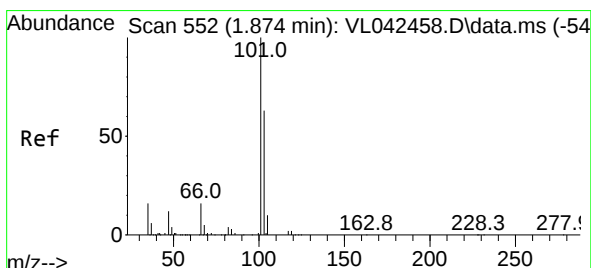
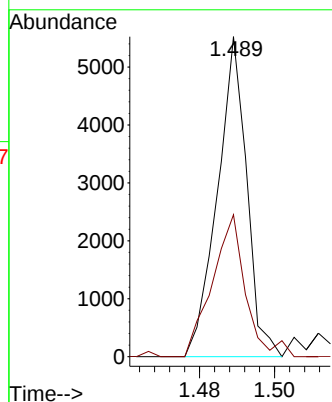
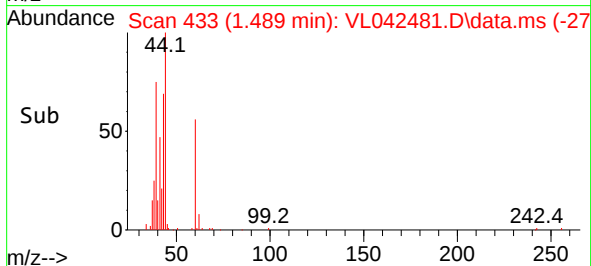
42 158.6 54.3 81.5

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Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#11

Trichlorofluoromethane

Concen: 1.012 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.006 min

Lab File: VL042481.D

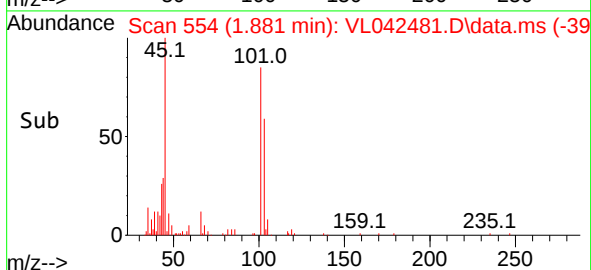
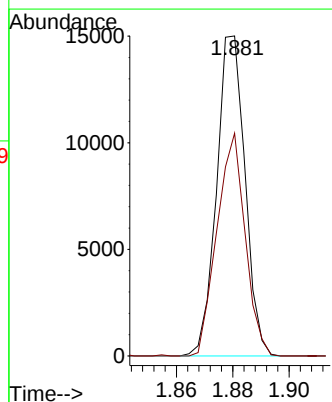
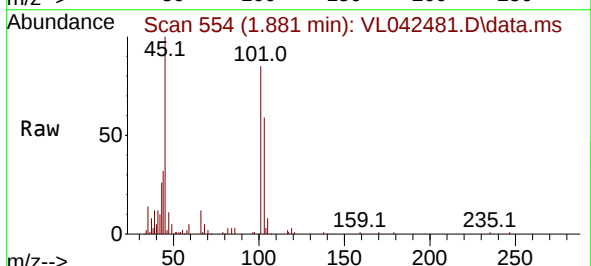
Acq: 05 May 2025 18:06

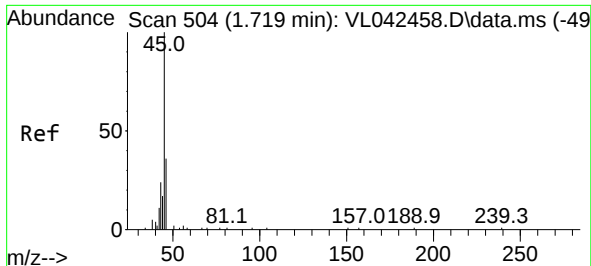
Tgt Ion:101 Resp: 10543

Ion Ratio Lower Upper

101 100

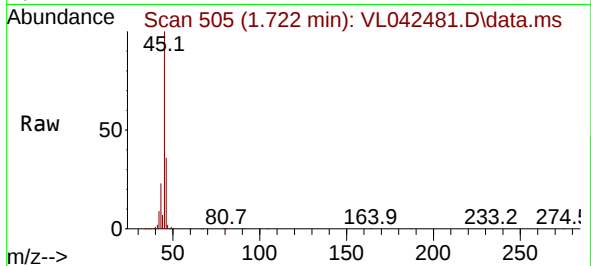
103 69.6 50.6 76.0





#13
Ethanol
Concen: 120.149 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

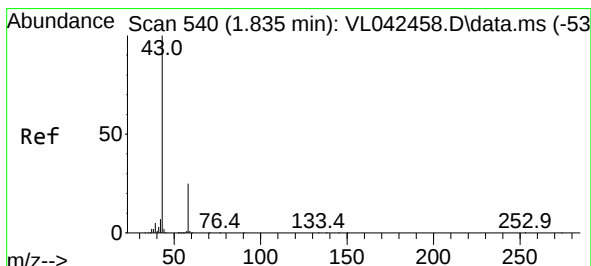
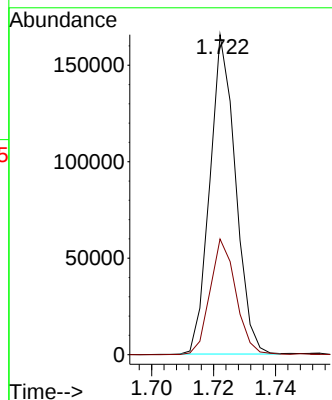
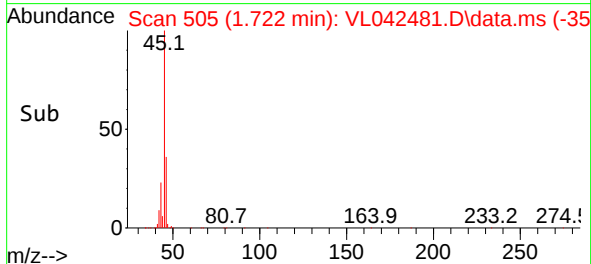
Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428



Tgt Ion: 45 Resp: 95194
Ion Ratio Lower Upper
45 100
46 36.7 15.3 61.1

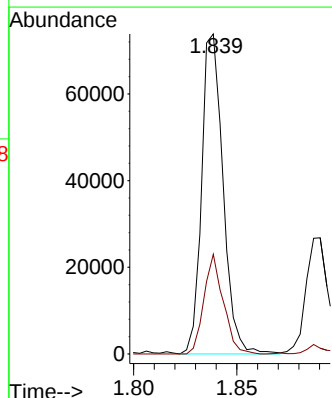
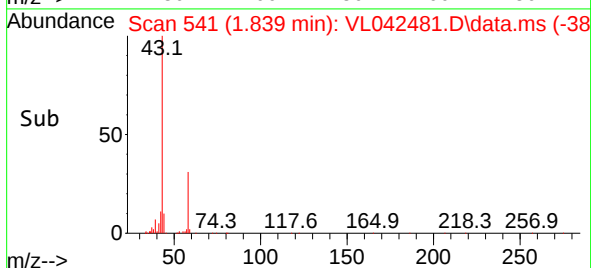
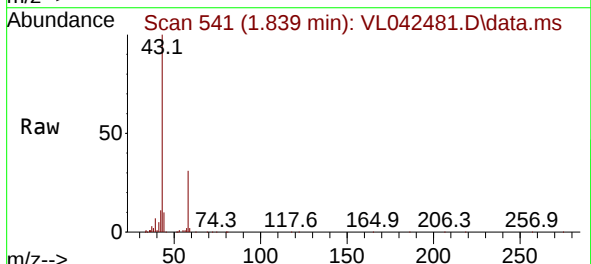
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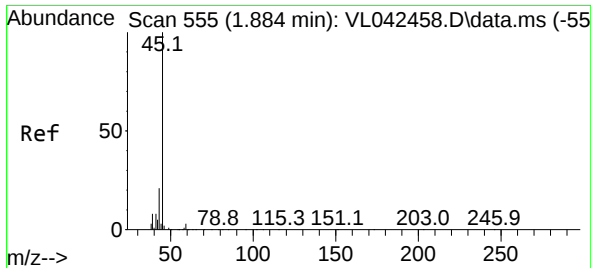
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#15
Acetone
Concen: 4.265 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 43 Resp: 53121
Ion Ratio Lower Upper
43 100
58 28.1 19.8 29.8





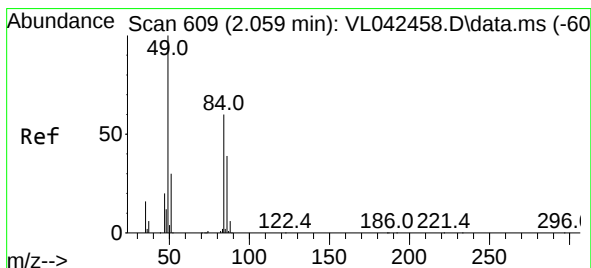
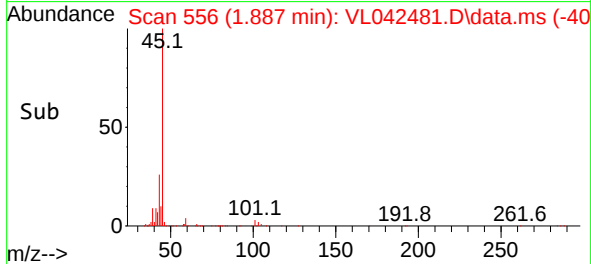
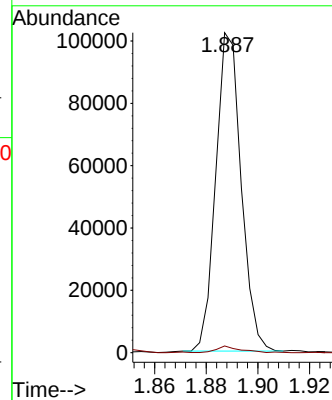
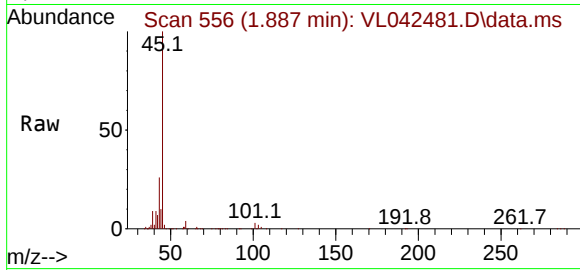
#19
Isopropyl Alcohol
Concen: 10.117 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

Tgt Ion: 45 Resp: 69730
Ion Ratio Lower Upper
45 100
58 2.2 1.6 2.4

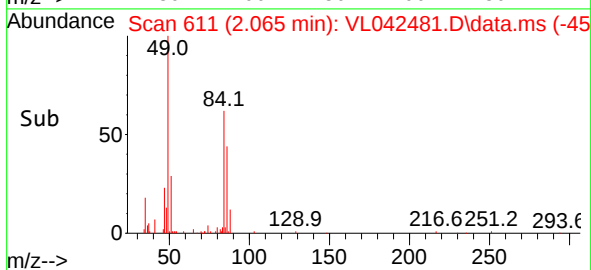
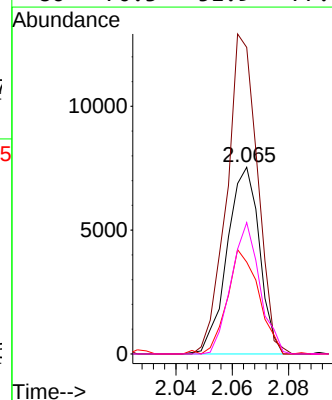
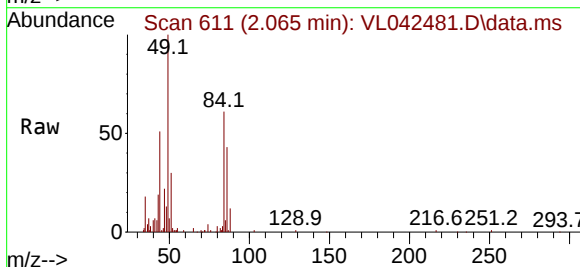
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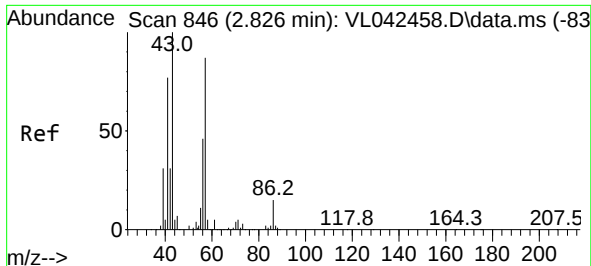
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#20
Methylene Chloride
Concen: 1.605 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

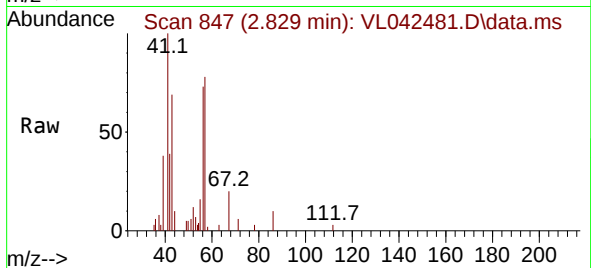
Tgt Ion: 84 Resp: 6011
Ion Ratio Lower Upper
84 100
49 164.1 133.9 200.9
51 49.1 41.0 61.6
86 70.3 51.9 77.9





#26
Hexane
Concen: 0.249 ppbv m
RT: 2.829 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

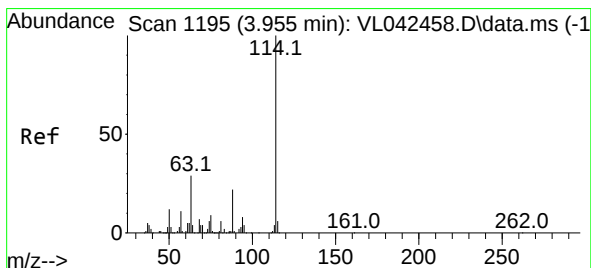
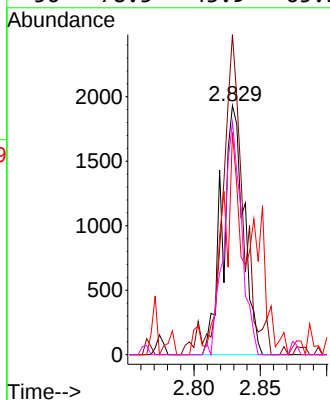
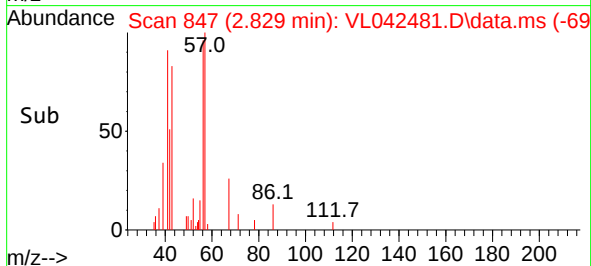
Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428



Tgt Ion: 57 Resp: 2162
Ion Ratio Lower Upper
57 100
41 124.0 77.8 116.8
43 120.9 187.0 280.6
56 78.5 43.9 65.9#

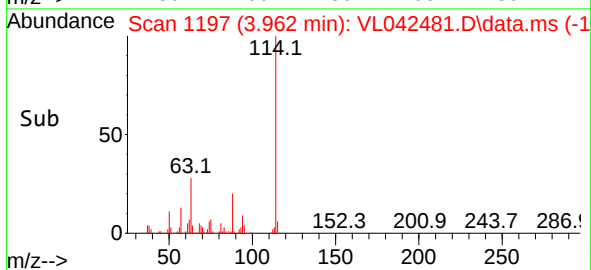
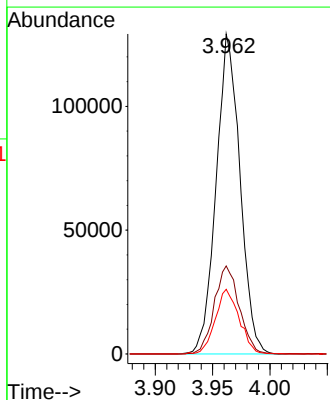
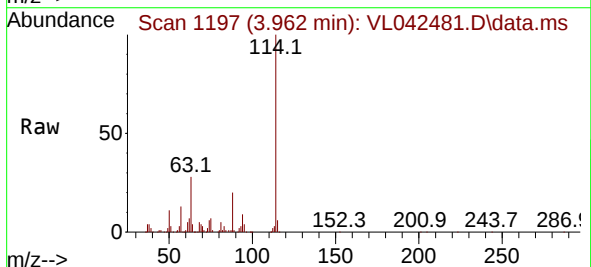
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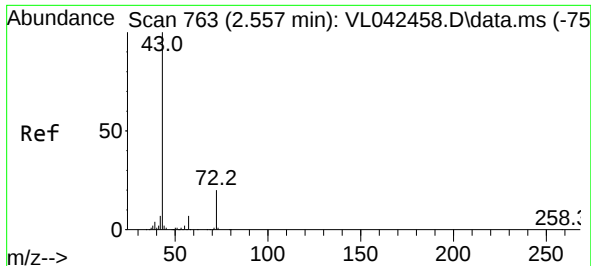
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

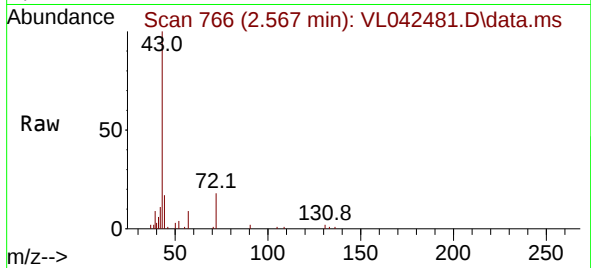
Tgt Ion:114 Resp: 186800
Ion Ratio Lower Upper
114 100
63 28.9 23.1 34.7
88 20.3 16.1 24.1





#34
2-Butanone
Concen: 0.351 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

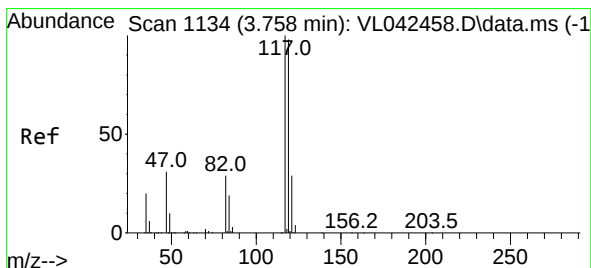
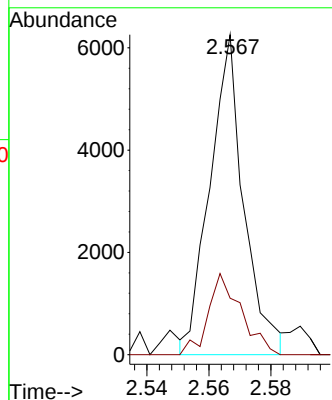
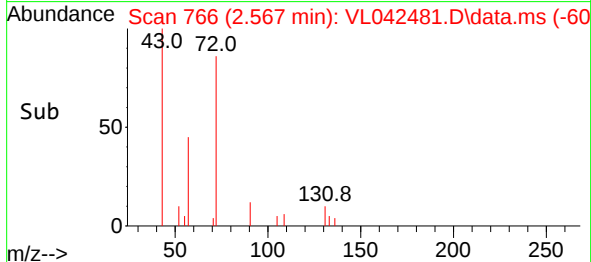
Instrument : MSVOA_L
ClientSampleId : EBR-P07-SC-IA01-20250428



Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
72 24.7 16.7 25.1

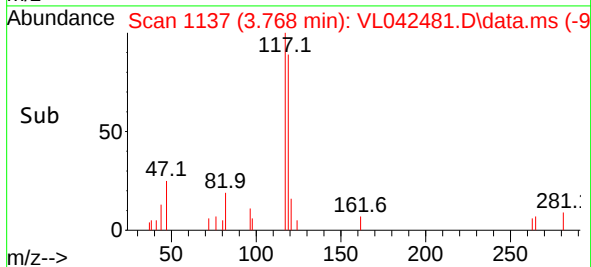
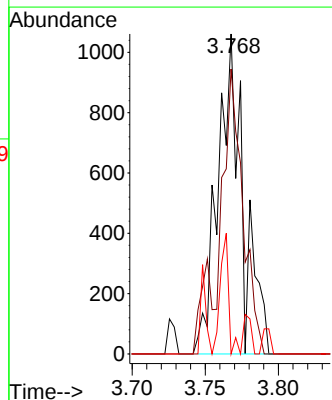
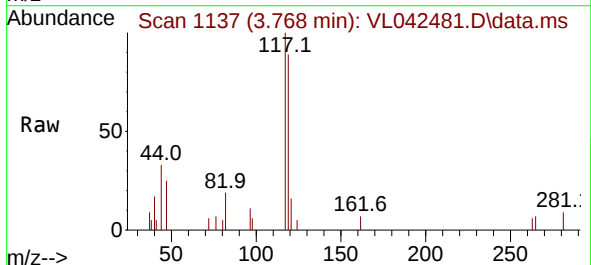
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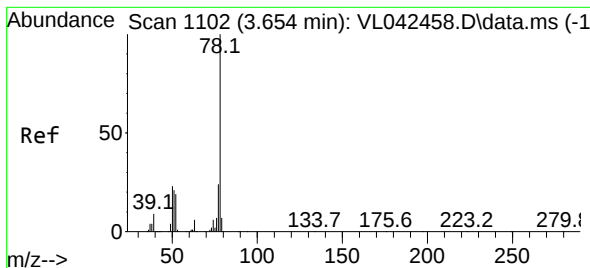
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion:117 Resp: 1264
Ion Ratio Lower Upper
117 100
119 89.1 78.1 117.1
121 0.0 23.0 34.6#





#36

Benzene

Concen: 0.101 ppbv m

RT: 3.661 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VL042481.D

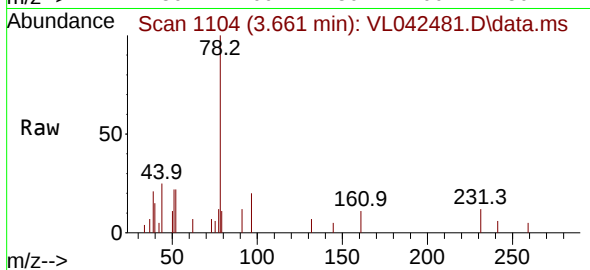
Acq: 05 May 2025 18:06

Instrument :

MSVOA_L

ClientSampleId :

EBR-P07-SC-IA01-20250428



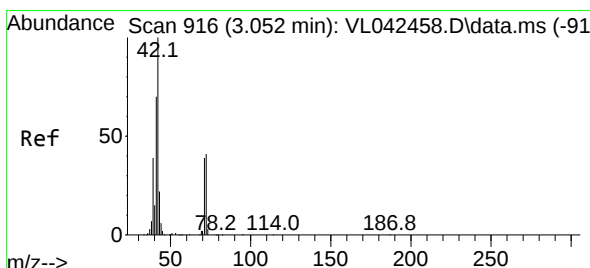
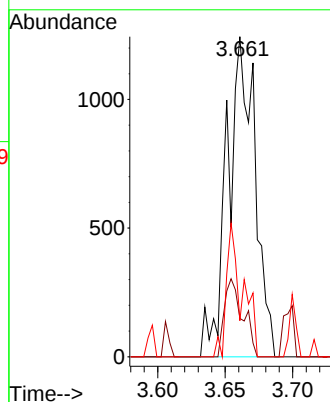
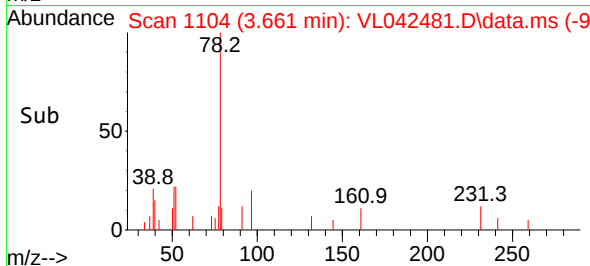
Tgt Ion: 78 Resp: 177

Ion	Ratio	Lower	Upper
78	100		
77	12.0	18.9	28.3
50	11.3	18.4	27.6

Manual Integrations

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



#41

Tetrahydrofuran

Concen: 0.234 ppbv m

RT: 3.068 min Scan# 921

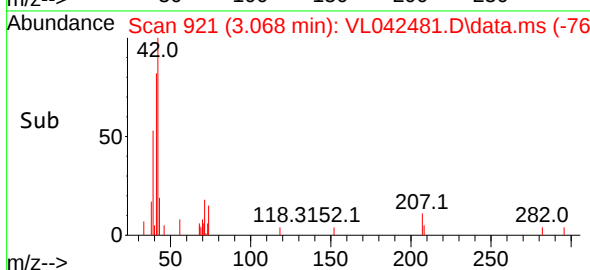
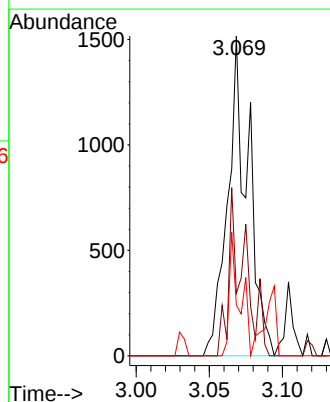
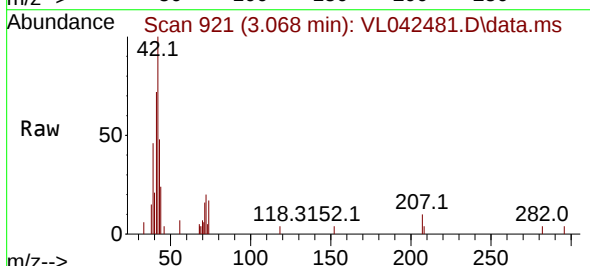
Delta R.T. 0.016 min

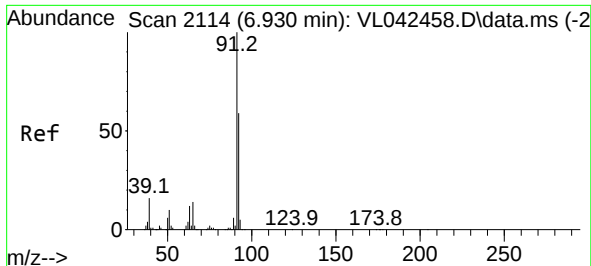
Lab File: VL042481.D

Acq: 05 May 2025 18:06

Tgt Ion: 42 Resp: 1504

Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.5	50.3
71	30.8	32.6	49.0





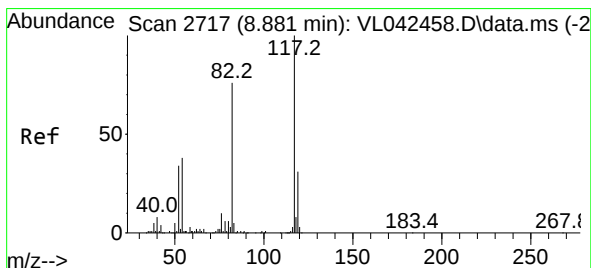
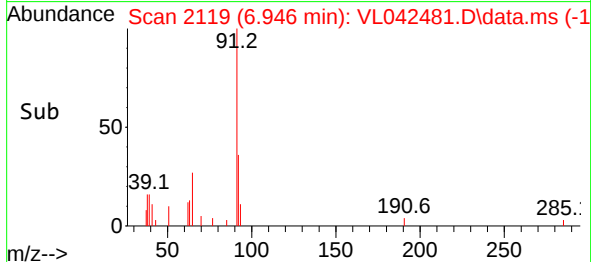
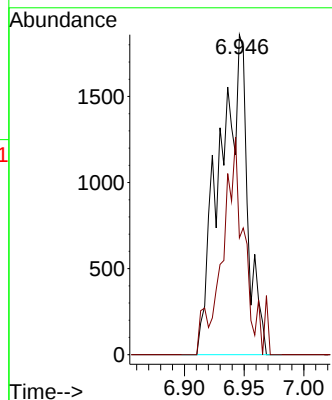
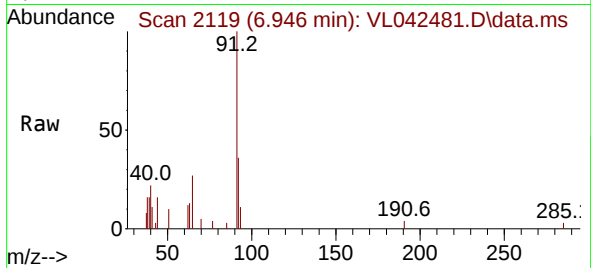
#53
Toluene
Concen: 0.162 ppbv m
RT: 6.946 min Scan# 2114
Delta R.T. 0.016 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

Tgt Ion: 91 Resp: 301
Ion Ratio Lower Upper
91 100
92 55.3 47.9 71.9

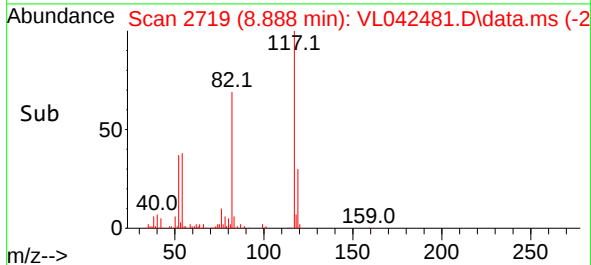
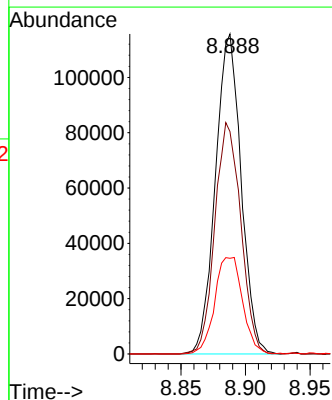
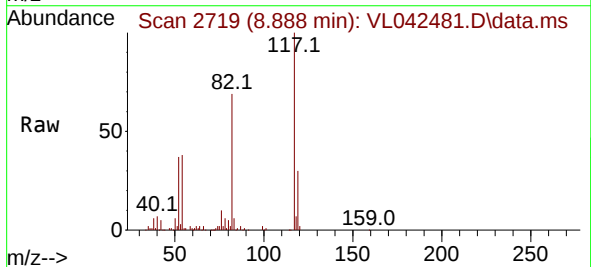
Manual Integrations
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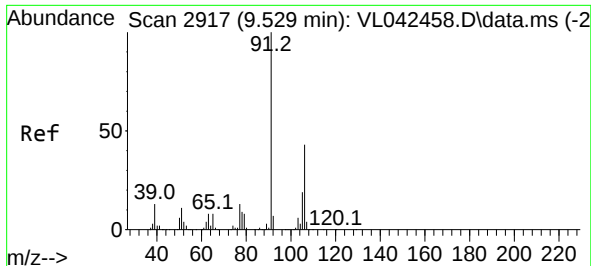
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.007 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

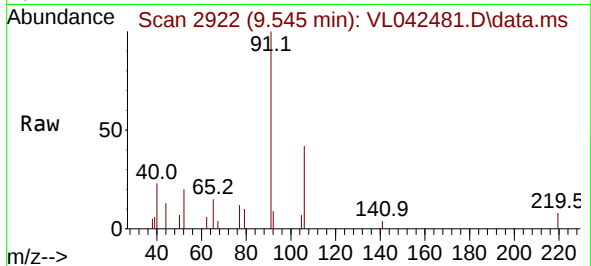
Tgt Ion:117 Resp: 160233
Ion Ratio Lower Upper
117 100
82 72.9 63.5 95.3
119 32.7 25.8 38.8





#59
m/p-Xylene
Concen: 0.109 ppbv m
RT: 9.545 min Scan# 2917
Delta R.T. 0.016 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

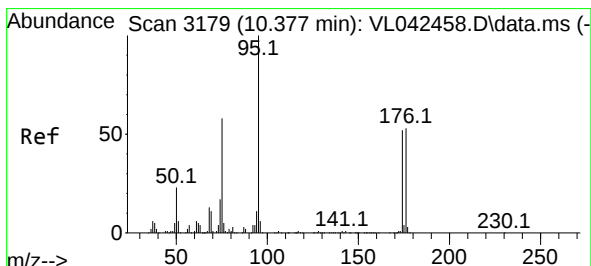
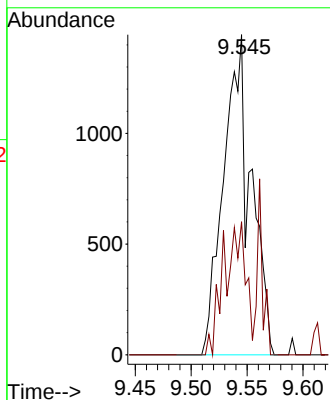
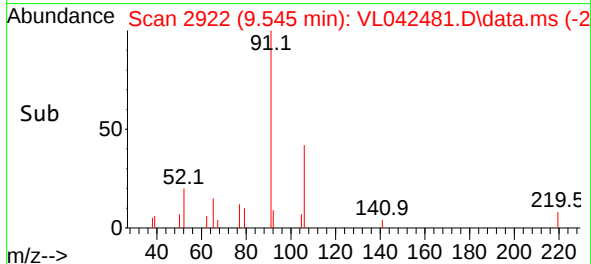
Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428



Tgt Ion: 91 Resp: 2458
Ion Ratio Lower Upper
91 100
106 0.0 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: 9.903 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 95 Resp: 147117
Ion Ratio Lower Upper
95 100
174 54.4 42.7 64.1
175 4.5 3.6 5.4

