

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042427.D
 Acq On : 28 Apr 2025 15:42
 Operator : SY/MD
 Sample : Q1880-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P08-SC-IA01-20250421

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:39:04 2025

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

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	130965	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	364997	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	315370	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	268747	10.370	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	11358	0.491	ppbv	91
3) Chlorodifluoromethane	1.473	51	7362m	0.334	ppbv	
4) Chloromethane	1.528	50	4924	0.538	ppbv #	84
9) Propene	1.483	41	2451m	0.244	ppbv	
10) Heptane	4.969	43	3750m	0.133	ppbv	
11) Trichlorofluoromethane	1.874	101	6480	0.294	ppbv	89
13) Ethanol	1.719	45	192490	120.690	ppbv	76
15) Acetone	1.832	43	74168	3.459	ppbv	97
20) Methylene Chloride	2.059	84	3423	0.408	ppbv #	87
26) Hexane	2.816	57	6844	0.320	ppbv #	42
34) 2-Butanone	2.557	43	9033	0.313	ppbv	96
35) Carbon Tetrachloride	3.755	117	2251m	0.068	ppbv	
53) Toluene	6.920	91	11029m	0.233	ppbv	
59) m/p-Xylene	9.529	91	7266m	0.144	ppbv	

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

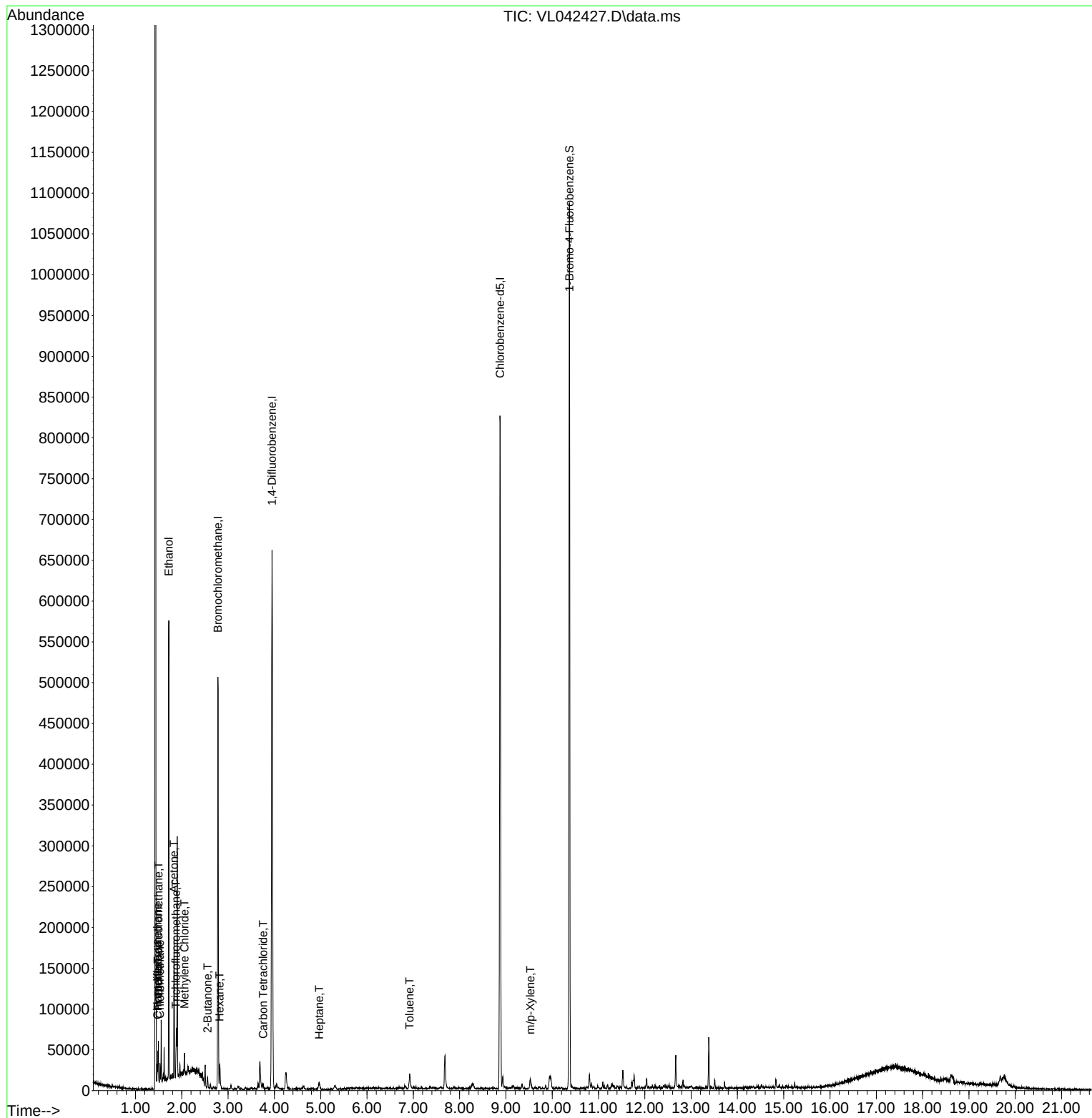
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042427.D
Acq On : 28 Apr 2025 15:42
Operator : SY/MD
Sample : Q1880-03
Misc : 400mL/MSVOA_L
ALS Vial : 14 Sample Multiplier: 1

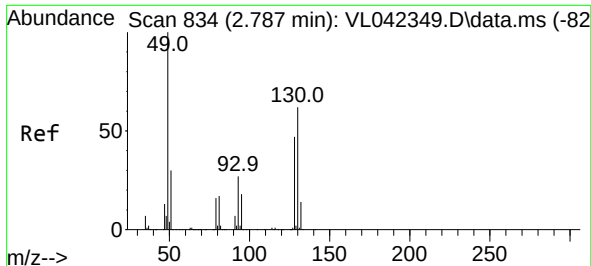
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Quant Time: Apr 29 01:39:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

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APPROVED

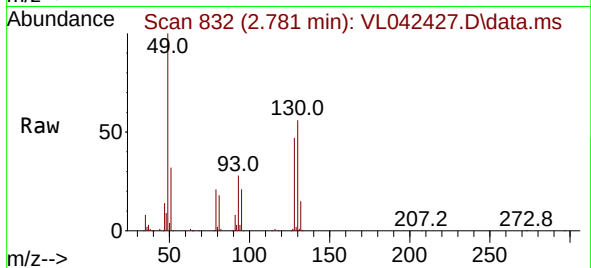
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

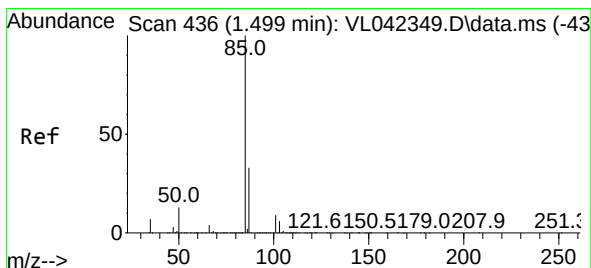
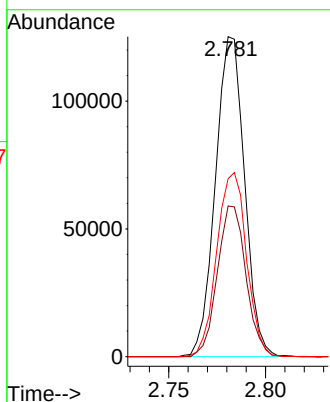
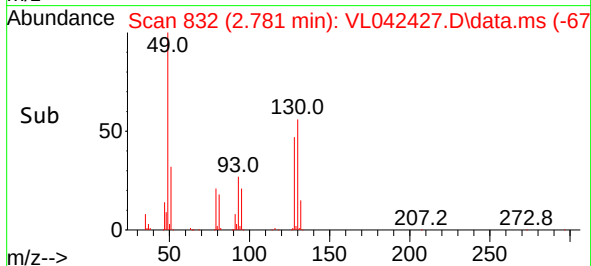
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421



Tgt Ion: 49 Resp: 13096
Ion Ratio Lower Upper
49 100
128 46.4 22.8 68.4
130 58.8 29.3 88.0

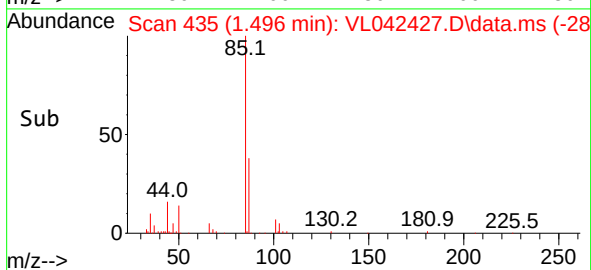
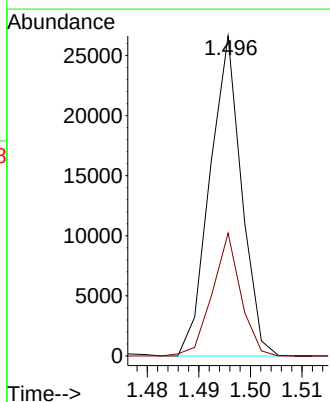
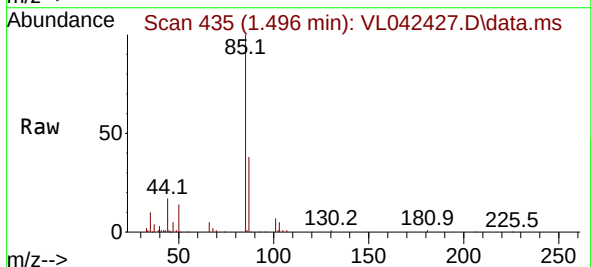
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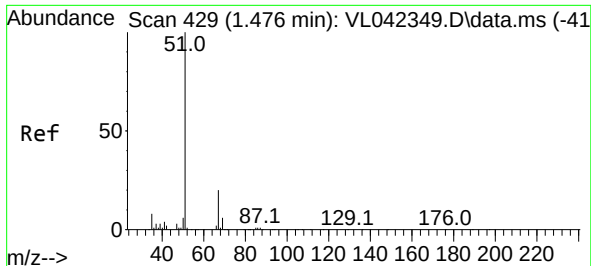
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.491 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

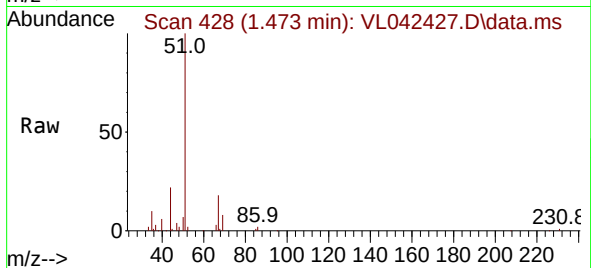
Tgt Ion: 85 Resp: 11358
Ion Ratio Lower Upper
85 100
87 38.4 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.334 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

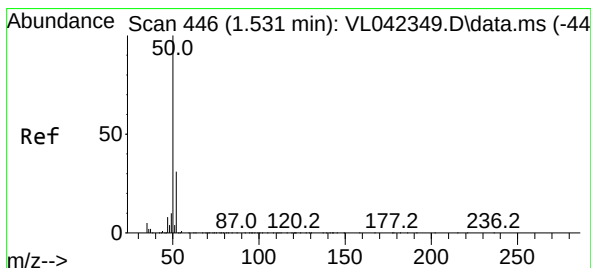
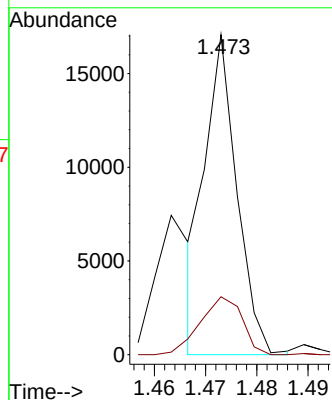
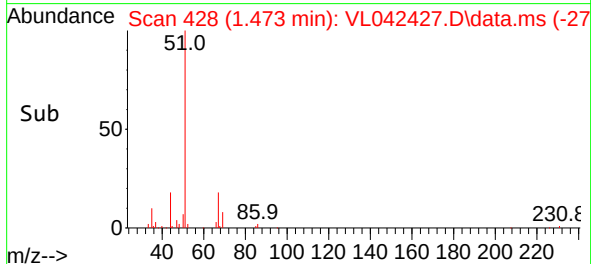
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421



Tgt Ion: 51 Resp: 7362
Ion Ratio Lower Upper
51 100
67 26.2 16.2 24.4

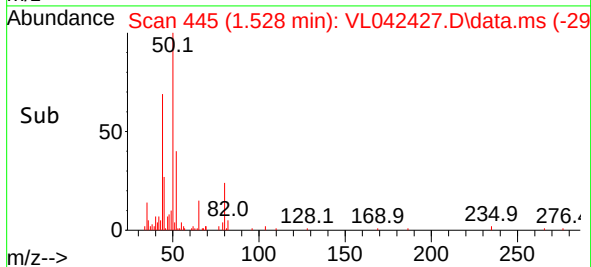
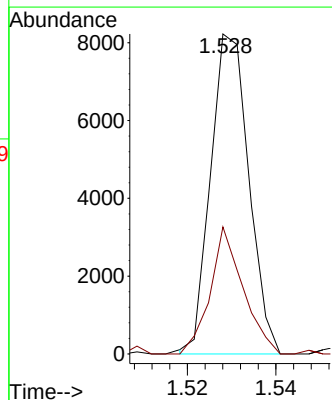
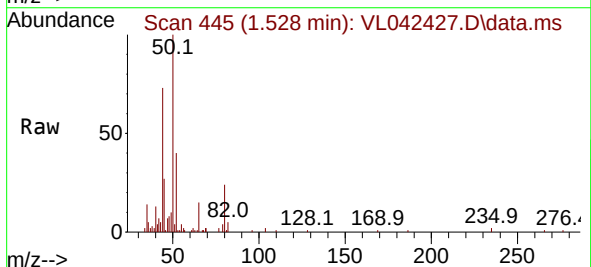
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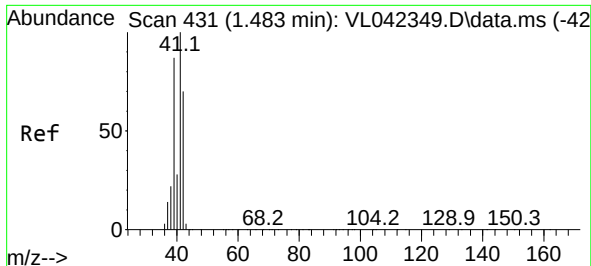
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 50 Resp: 4924
Ion Ratio Lower Upper
50 100
52 39.7 24.7 37.1





#9

Propene

Concen: 0.244 ppbv m

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042427.D

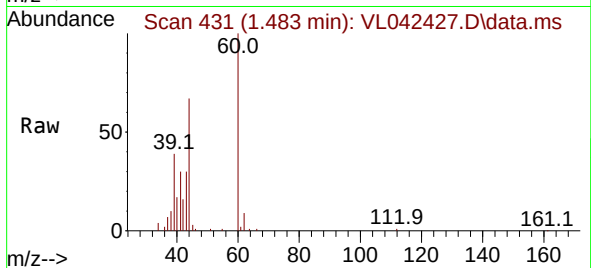
Acq: 28 Apr 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

EBR-P08-SC-IA01-20250421

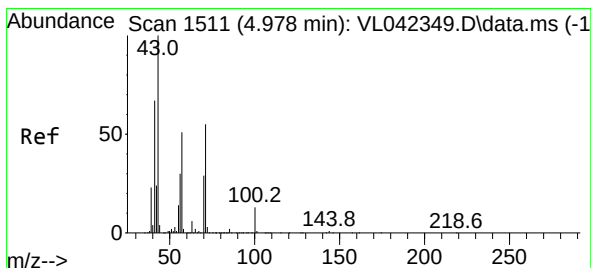
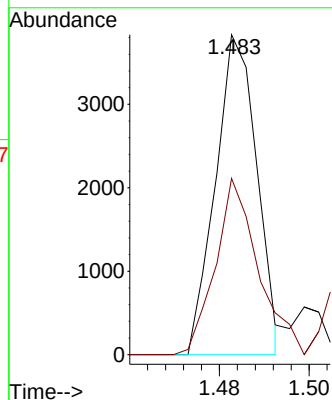
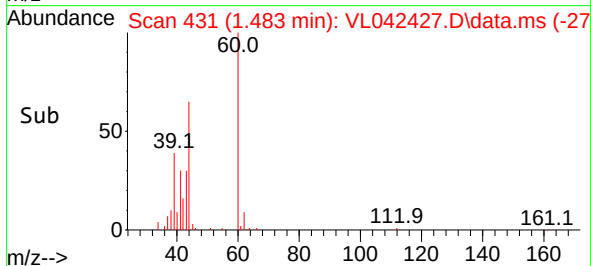


Tgt Ion: 41 Resp: 245

Ion	Ratio	Lower	Upper
41	100		
42	99.3	56.2	84.4

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Supervised By :Mahesh Dadoda 04/30/2025



#10

Heptane

Concen: 0.133 ppbv m

RT: 4.969 min Scan# 1508

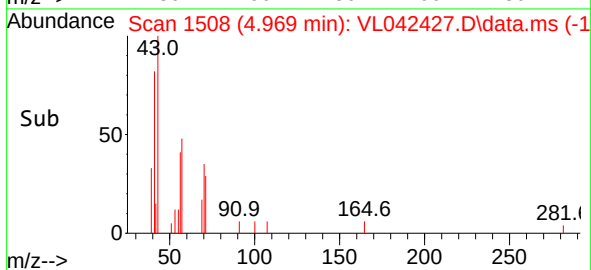
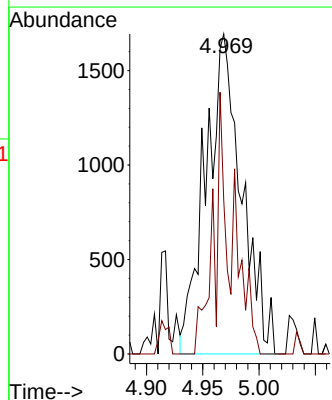
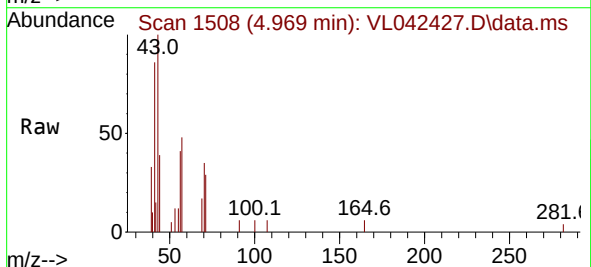
Delta R.T. -0.010 min

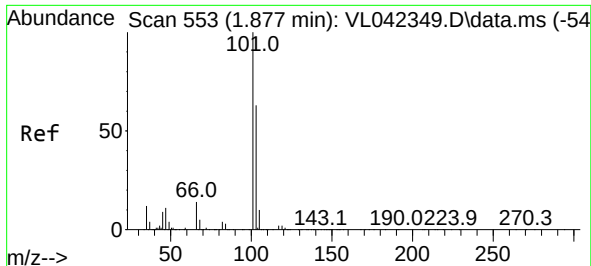
Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 3750

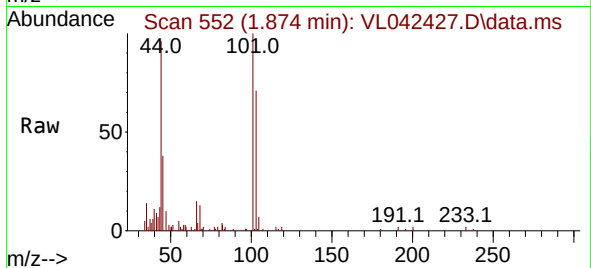
Ion	Ratio	Lower	Upper
43	100		
57	40.5	39.9	59.9





#11
Trichlorofluoromethane
Concen: 0.294 ppbv
RT: 1.874 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

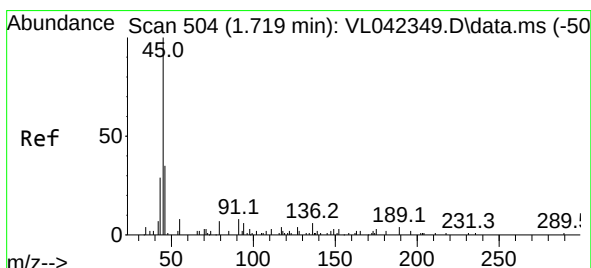
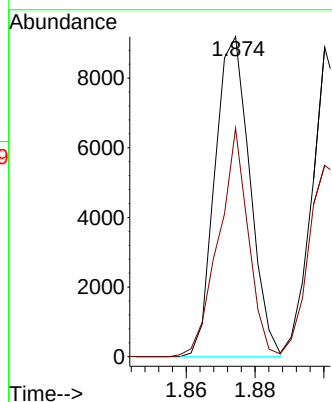
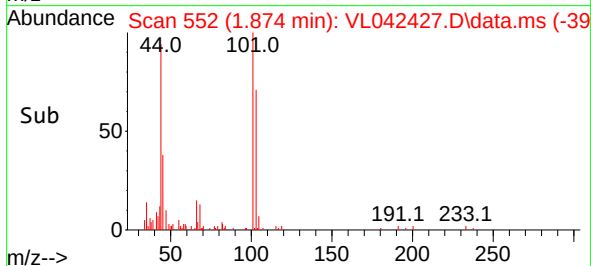
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421



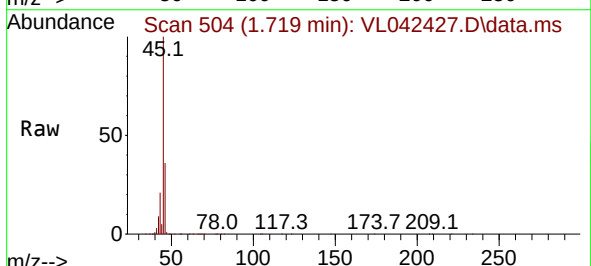
Tgt Ion:101 Resp: 6480
Ion Ratio Lower Upper
101 100
103 70.8 50.1 75.1

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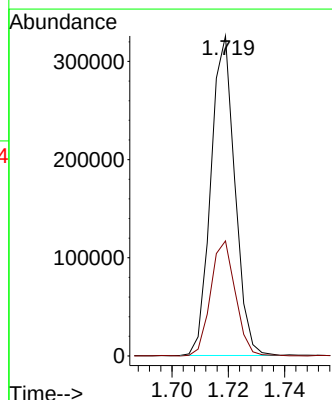
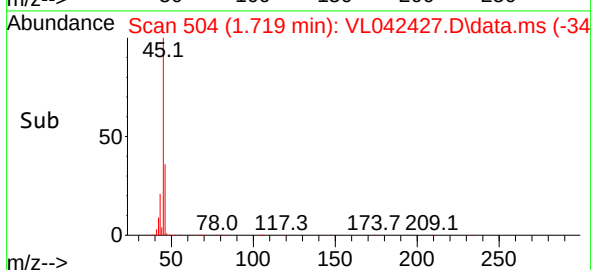
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

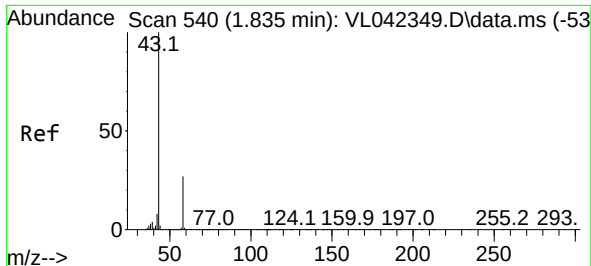


#13
Ethanol
Concen: 120.690 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42



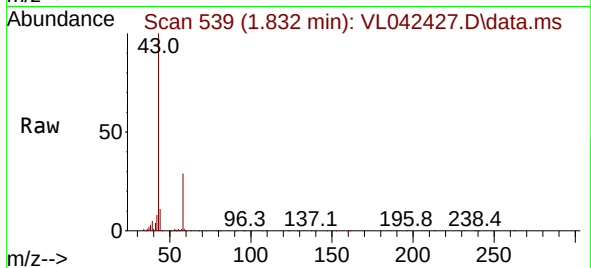
Tgt Ion: 45 Resp: 192490
Ion Ratio Lower Upper
45 100
46 37.7 21.9 87.7





#15
Acetone
Concen: 3.459 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

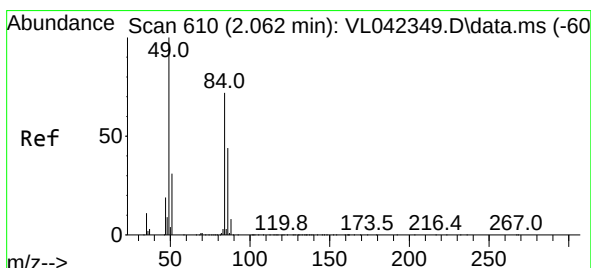
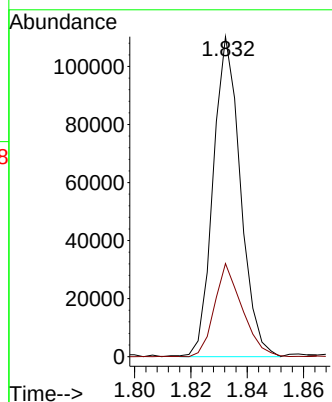
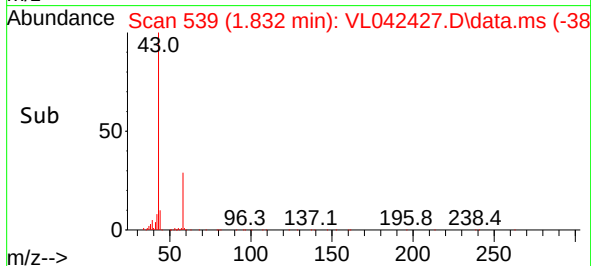
Instrument : MSVOA_L
ClientSampleId : EBR-P08-SC-IA01-20250421



Tgt Ion: 43 Resp: 74168
Ion Ratio Lower Upper
43 100
58 29.7 22.4 33.6

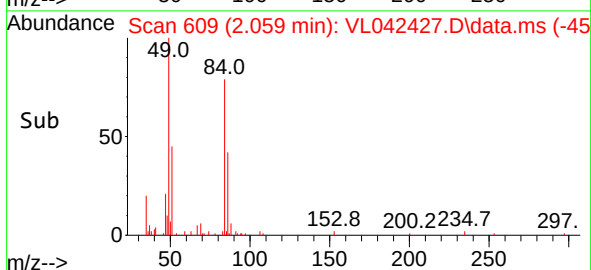
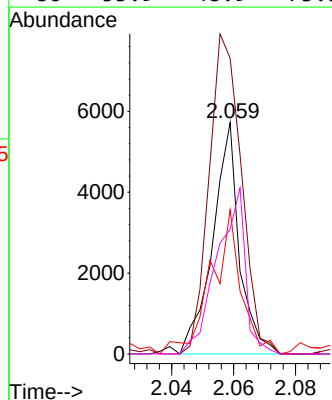
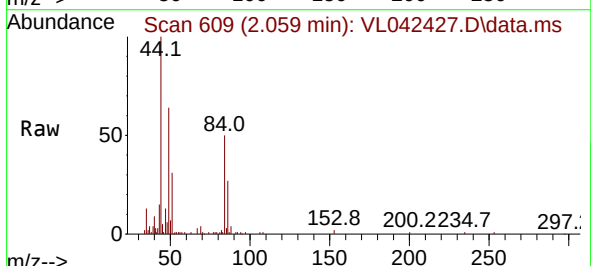
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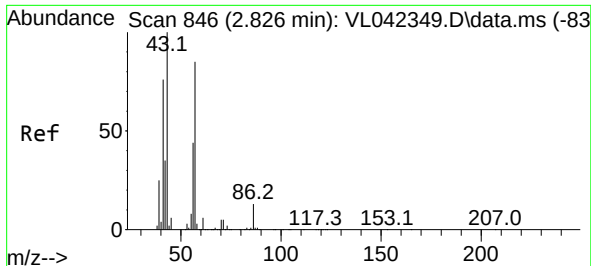
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#20
Methylene Chloride
Concen: 0.408 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

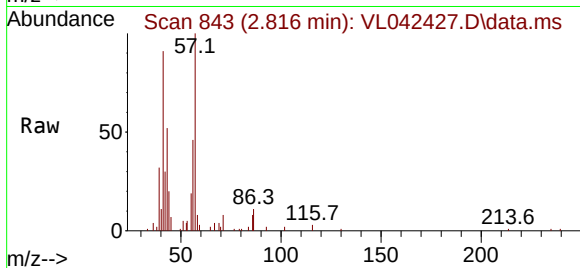
Tgt Ion: 84 Resp: 3423
Ion Ratio Lower Upper
84 100
49 127.9 111.6 167.4
51 62.3 35.1 52.7#
86 53.9 48.9 73.3





#26
Hexane
Concen: 0.320 ppbv
RT: 2.816 min Scan# 846
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

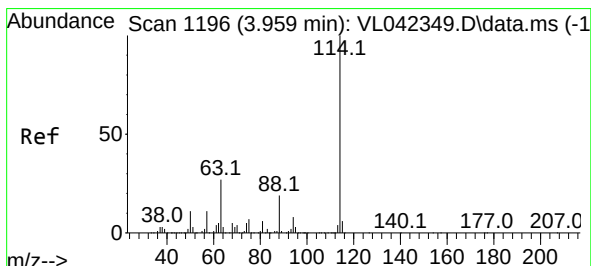
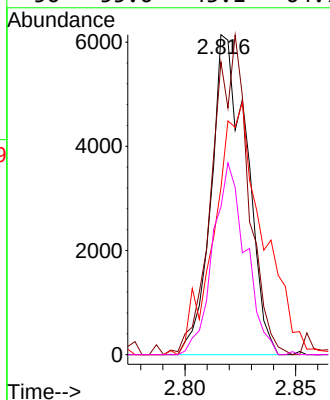
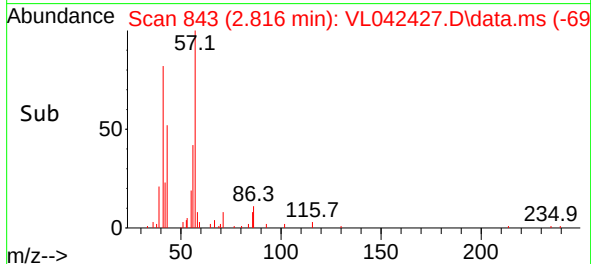
Instrument : MSVOA_L
ClientSampleId : EBR-P08-SC-IA01-20250421



Tgt Ion: 57 Resp: 6844
Ion Ratio Lower Upper
57 100
41 109.6 77.9 116.9
43 106.7 208.4 312.6
56 55.6 43.1 64.7

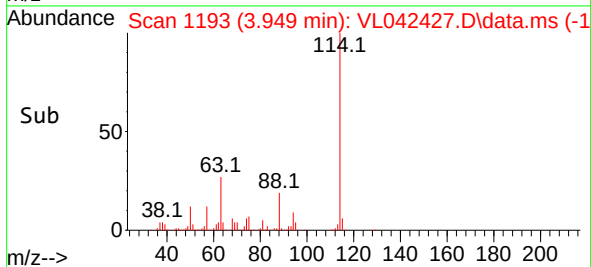
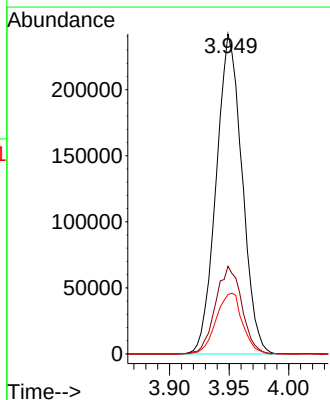
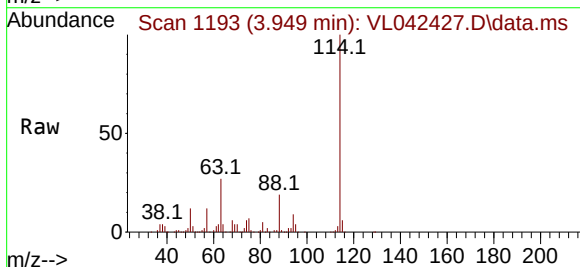
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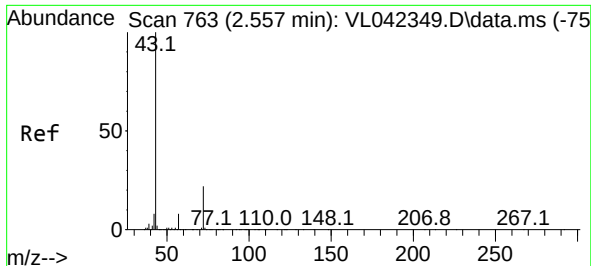
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

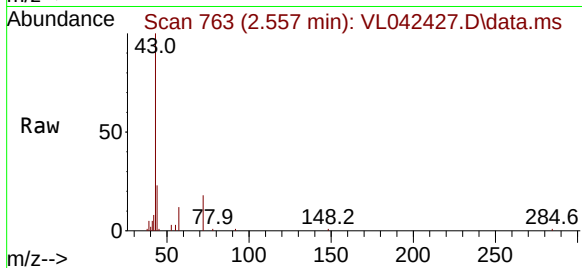
Tgt Ion:114 Resp: 364997
Ion Ratio Lower Upper
114 100
63 28.0 21.8 32.6
88 19.3 15.5 23.3





#34
2-Butanone
Concen: 0.313 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

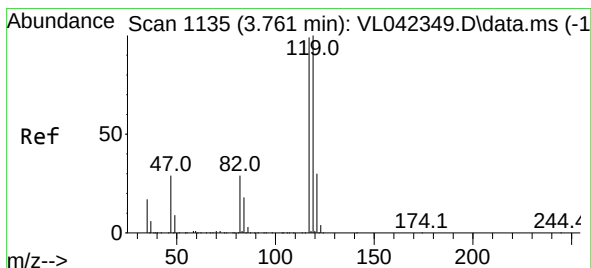
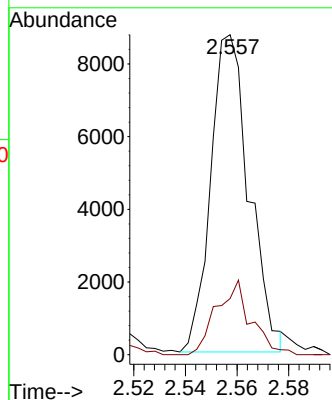
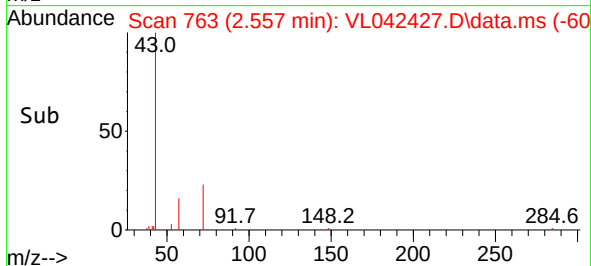
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421



Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
72 21.0 18.2 27.2

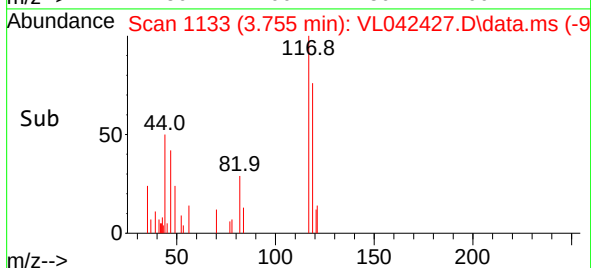
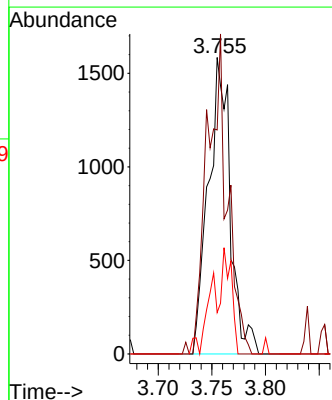
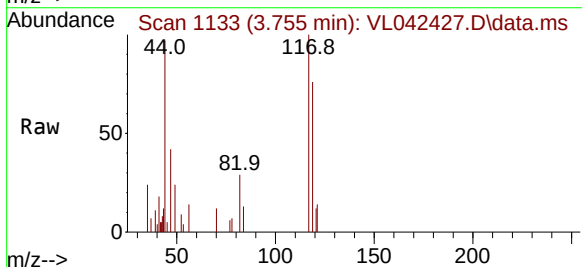
Manual Integrations
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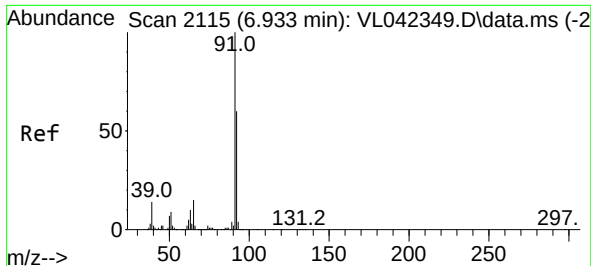
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:117 Resp: 2251
Ion Ratio Lower Upper
117 100
119 75.6 80.5 120.7#
121 14.0 24.2 36.2#





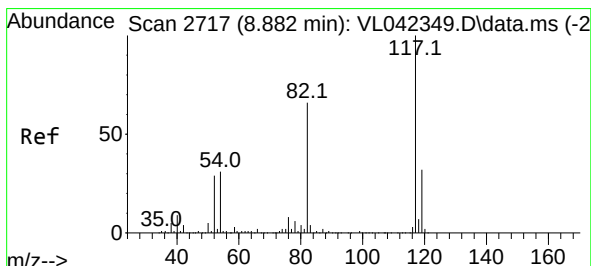
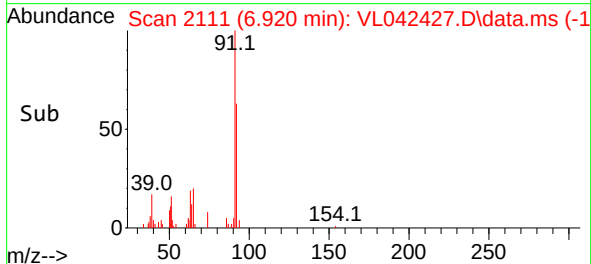
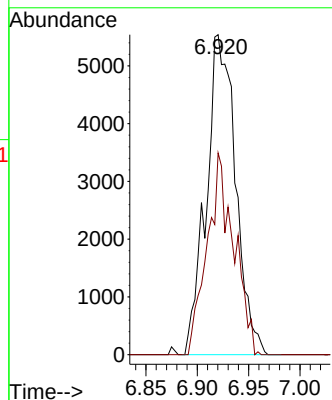
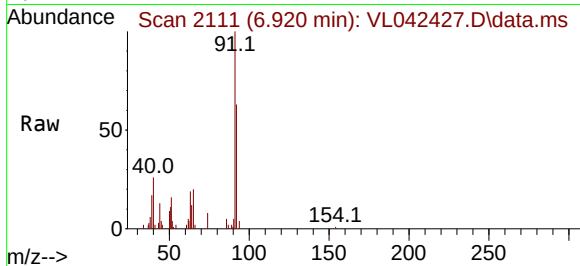
#53
Toluene
Concen: 0.233 ppbv m
RT: 6.920 min Scan# 2115
Delta R.T. -0.013 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument : MSVOA_L
ClientSampleId : EBR-P08-SC-IA01-20250421

Tgt Ion: 91 Resp: 11029
Ion Ratio Lower Upper
91 100
92 57.1 48.2 72.4

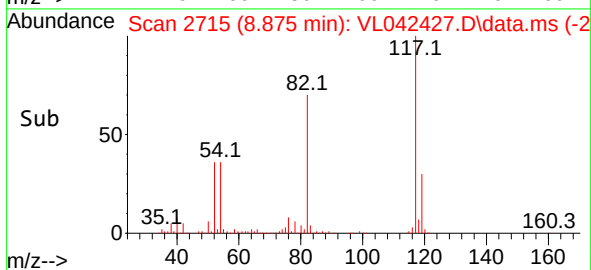
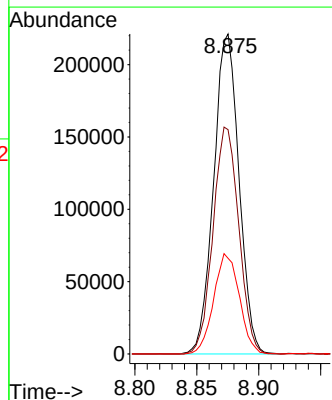
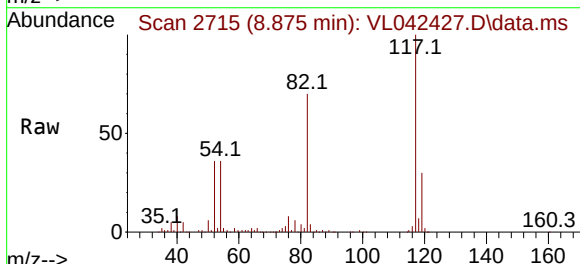
Manual Integrations
APPROVED

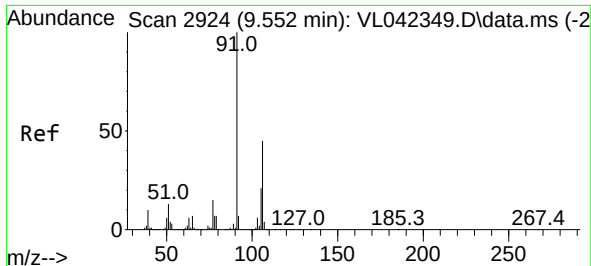
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:117 Resp: 315370
Ion Ratio Lower Upper
117 100
82 72.0 57.8 86.6
119 31.8 25.2 37.8





#59

m/p-Xylene

Concen: 0.144 ppbv m

RT: 9.529 min Scan# 2924

Delta R.T. -0.023 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

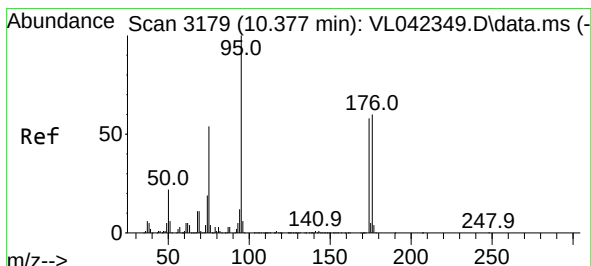
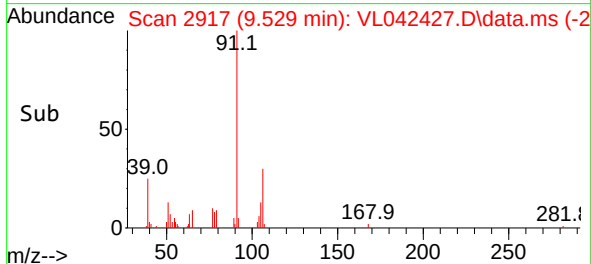
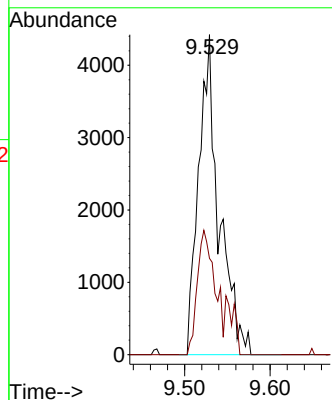
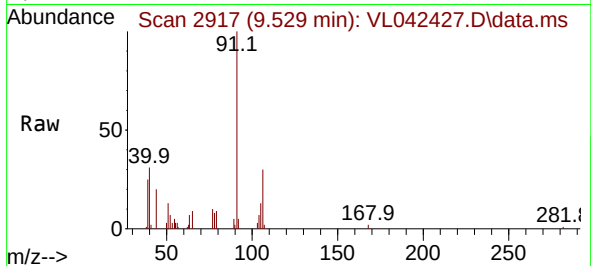
EBR-P08-SC-IA01-20250421

Tgt Ion: 91 Resp: 7260
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.370 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. -0.006 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Tgt Ion: 95 Resp: 268747
 Ion Ratio Lower Upper
 95 100
 174 53.6 48.5 72.7
 175 4.2 3.7 5.5

