

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042428.D
 Acq On : 28 Apr 2025 16:16
 Operator : SY/MD
 Sample : Q1880-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P02-SC-IA01-20250423

Manual Integrations
 APPROVED

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

Quant Time: Apr 29 01:39:34 2025

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

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

Response via : Initial Calibration

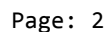
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

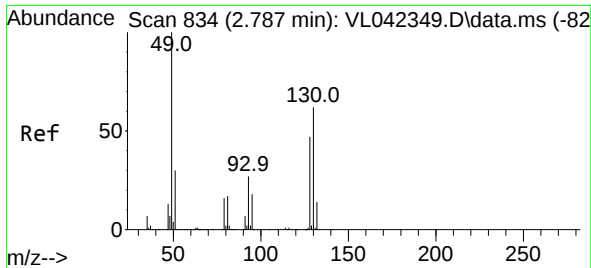
Internal Standards						
1) Bromochloromethane	2.787	49	130703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	360136	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	306395	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	265930	10.562	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11832	0.512	ppbv #	87
3) Chlorodifluoromethane	1.473	51	5632m	0.256	ppbv	
4) Chloromethane	1.531	50	5307	0.581	ppbv	91
9) Propene	1.486	41	4882	0.488	ppbv #	15
11) Trichlorofluoromethane	1.878	101	5326	0.243	ppbv	93
13) Ethanol	1.719	45	208480	130.977	ppbv	75
15) Acetone	1.835	43	92451m	4.321	ppbv	
19) Isopropyl Alcohol	1.887	45	26353	2.217	ppbv #	29
20) Methylene Chloride	2.062	84	3426	0.409	ppbv	87
26) Hexane	2.823	57	2441	0.114	ppbv #	65
30) Cyclohexane	3.855	84	1851m	0.107	ppbv	
34) 2-Butanone	2.560	43	11685	0.410	ppbv	97
35) Carbon Tetrachloride	3.765	117	2336m	0.072	ppbv	
36) Benzene	3.654	78	4289	0.110	ppbv	99
53) Toluene	6.936	91	18874	0.405	ppbv	100
59) m/p-Xylene	9.529	91	7341m	0.150	ppbv	

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

Manual Integrations

Quant Time: Apr 29 01:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration





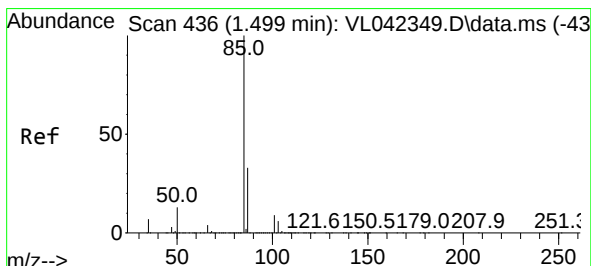
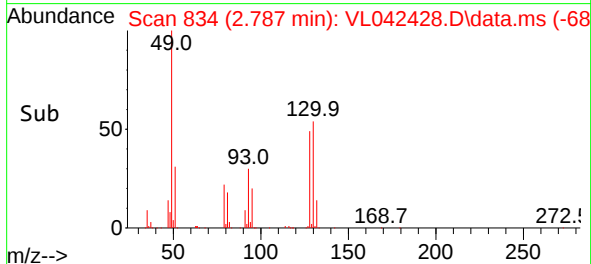
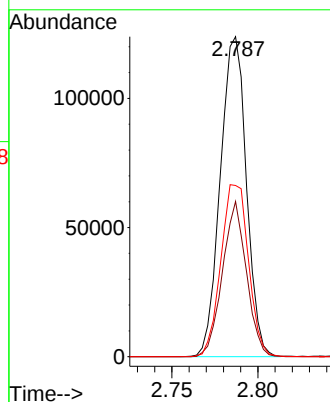
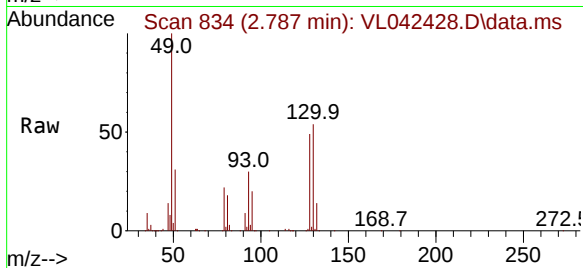
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument : MSVOA_L
ClientSampleId : EBR-P02-SC-IA01-20250423

Tgt Ion: 49 Resp: 130700
Ion Ratio Lower Upper
49 100
128 44.6 22.8 68.4
130 57.0 29.3 88.0

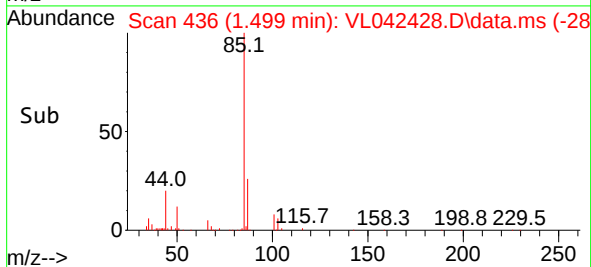
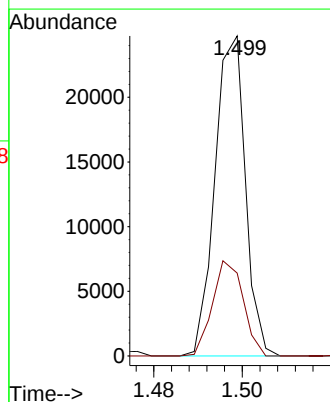
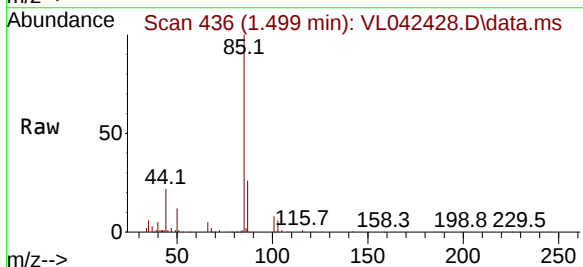
Manual Integrations
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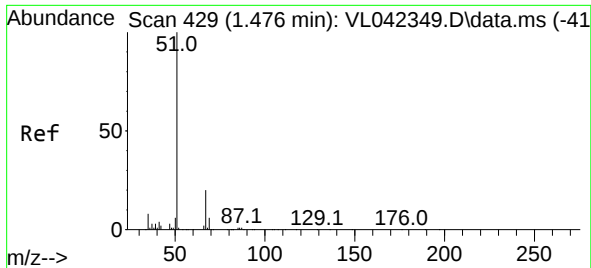
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

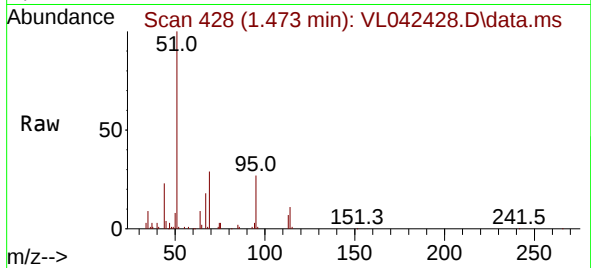
Tgt Ion: 85 Resp: 11832
Ion Ratio Lower Upper
85 100
87 25.9 26.6 39.8#





#3
Chlorodifluoromethane
Concen: 0.256 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

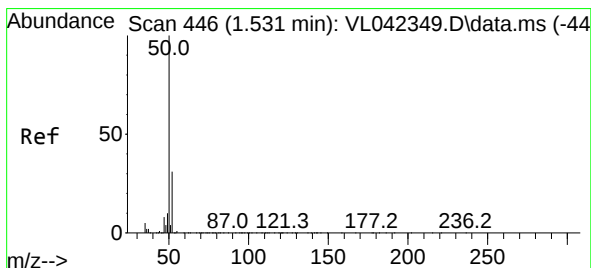
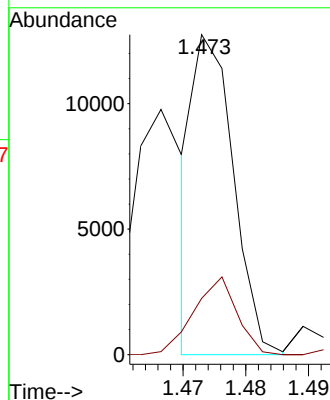
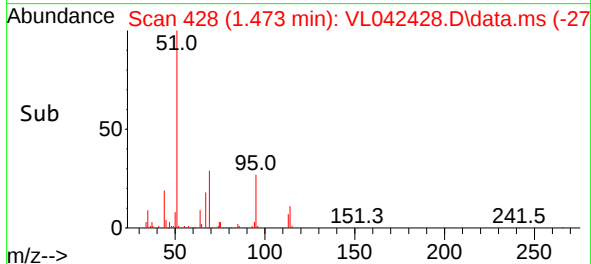
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423



Tgt Ion: 51 Resp: 563
Ion Ratio Lower Upper
51 100
67 7.6 16.2 24.4

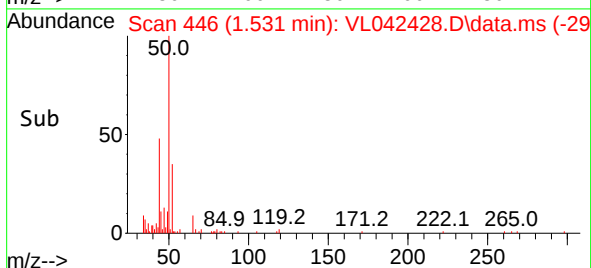
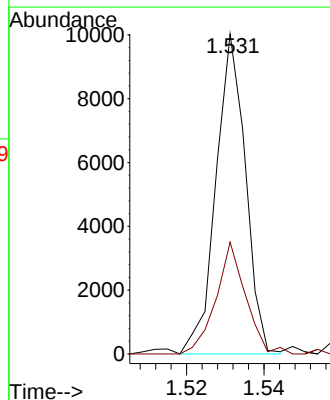
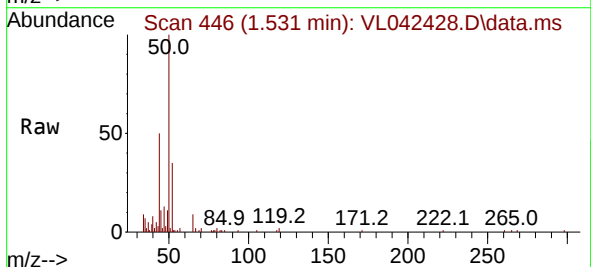
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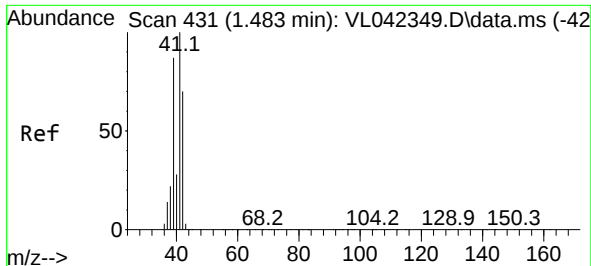
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Chloromethane
Concen: 0.581 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 50 Resp: 5307
Ion Ratio Lower Upper
50 100
52 35.6 24.7 37.1





#9

Propene

Concen: 0.488 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042428.D

Acq: 28 Apr 2025 16:16

Instrument :

MSVOA_L

ClientSampleId :

EBR-P02-SC-IA01-20250423

Tgt Ion: 41 Resp: 488

Ion Ratio Lower Upper

41 100

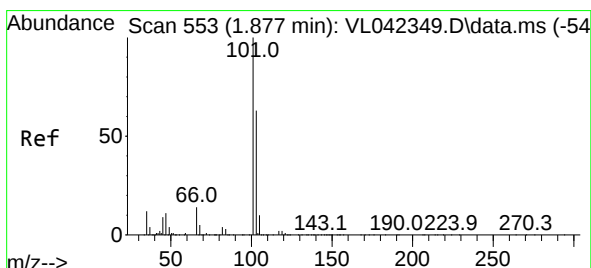
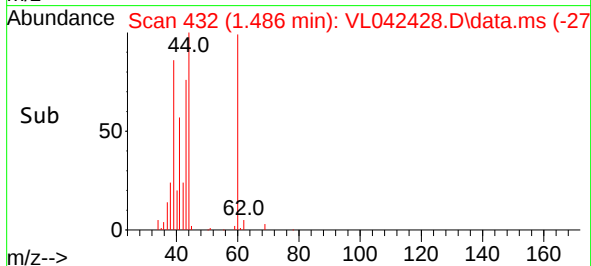
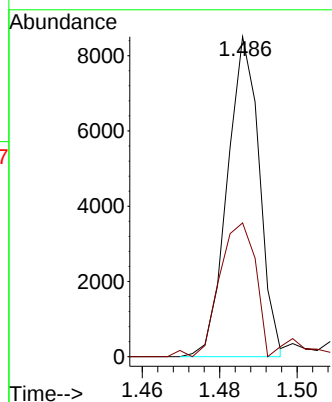
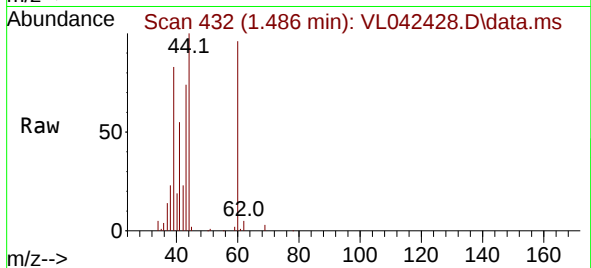
42 0.0 56.2 84.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#11

Trichlorofluoromethane

Concen: 0.243 ppbv

RT: 1.878 min Scan# 553

Delta R.T. 0.000 min

Lab File: VL042428.D

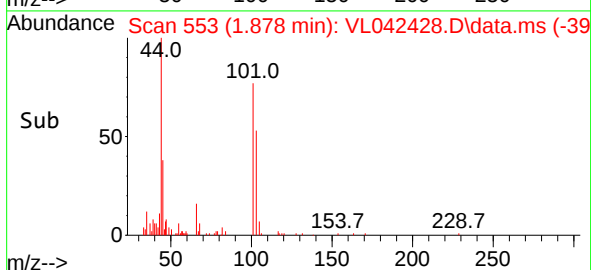
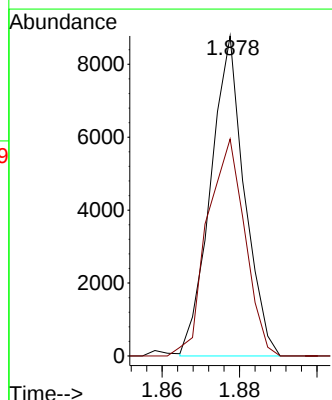
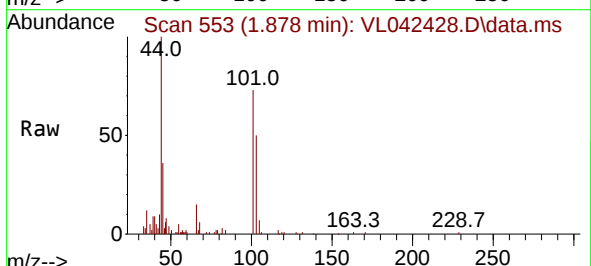
Acq: 28 Apr 2025 16:16

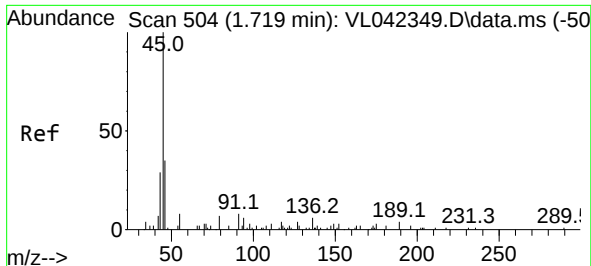
Tgt Ion:101 Resp: 5326

Ion Ratio Lower Upper

101 100

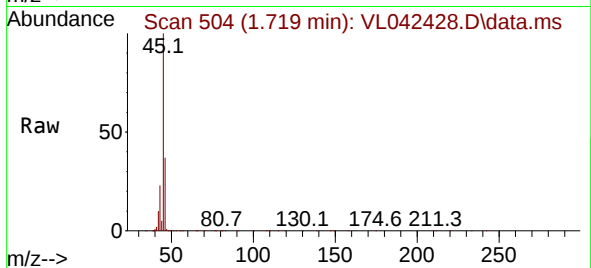
103 67.8 50.1 75.1





#13
Ethanol
Concen: 130.977 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

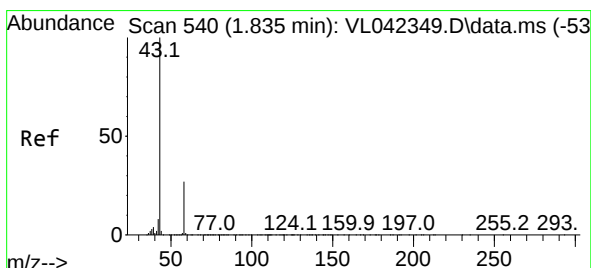
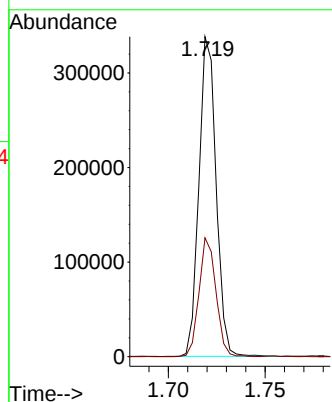
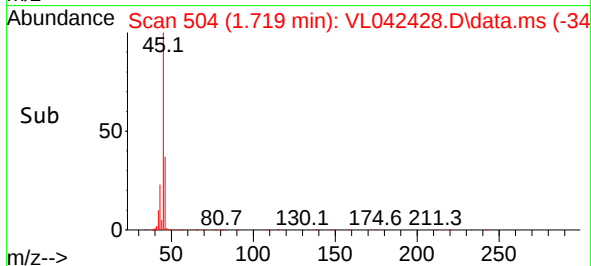
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423



Tgt Ion: 45 Resp: 208480
Ion Ratio Lower Upper
45 100
46 37.0 21.9 87.7

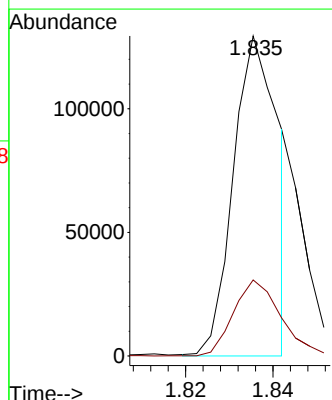
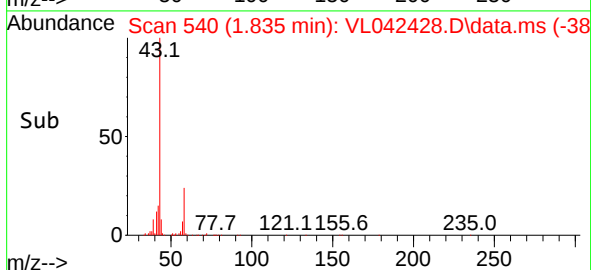
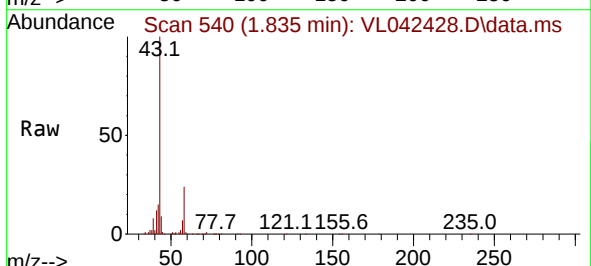
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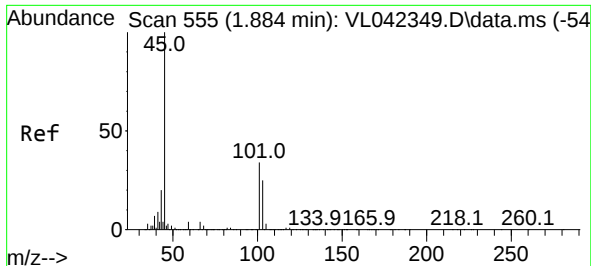
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#15
Acetone
Concen: 4.321 ppbv m
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

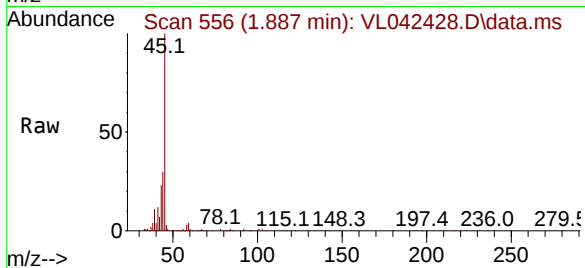
Tgt Ion: 43 Resp: 92451
Ion Ratio Lower Upper
43 100
58 25.3 22.4 33.6





#19
Isopropyl Alcohol
Concen: 2.217 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

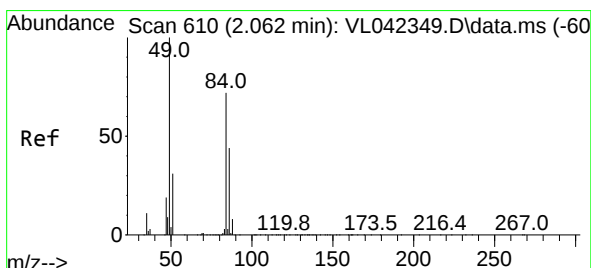
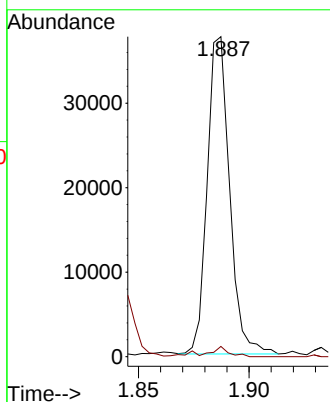
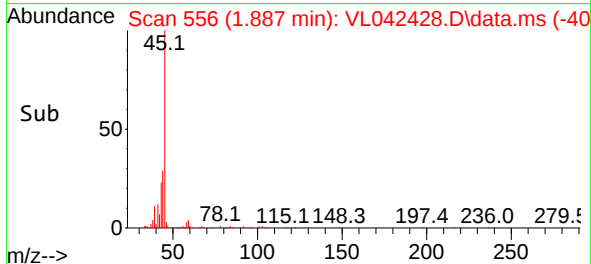
Instrument : MSVOA_L
ClientSampleId : EBR-P02-SC-IA01-20250423



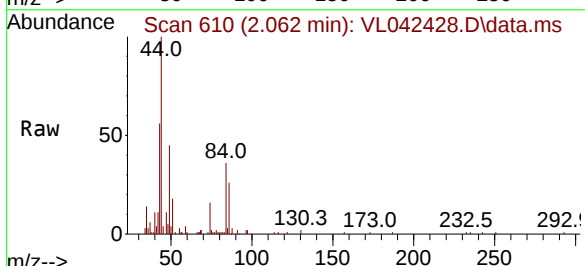
Tgt Ion: 45 Resp: 2635
Ion Ratio Lower Upper
45 100
58 88.6 34.5 51.7

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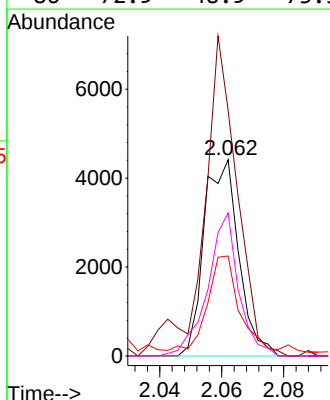
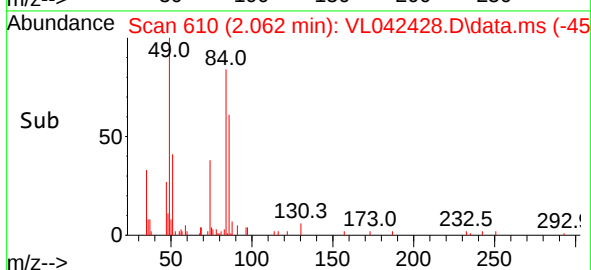
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

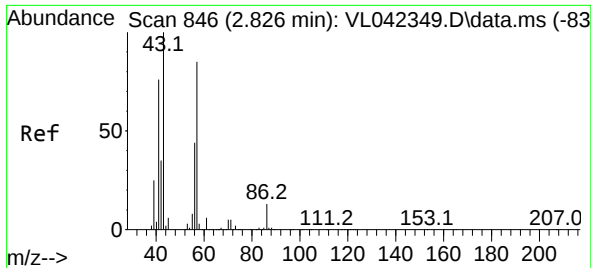


#20
Methylene Chloride
Concen: 0.409 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16



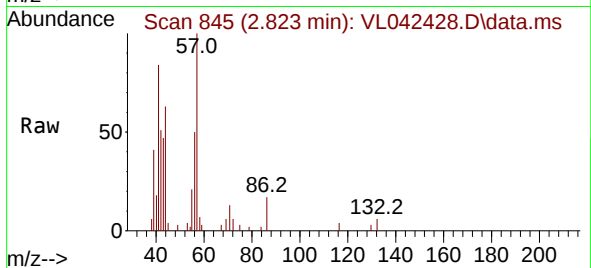
Tgt Ion: 84 Resp: 3426
Ion Ratio Lower Upper
84 100
49 122.4 111.6 167.4
51 47.7 35.1 52.7
86 72.9 48.9 73.3





#26
Hexane
Concen: 0.114 ppbv
RT: 2.823 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

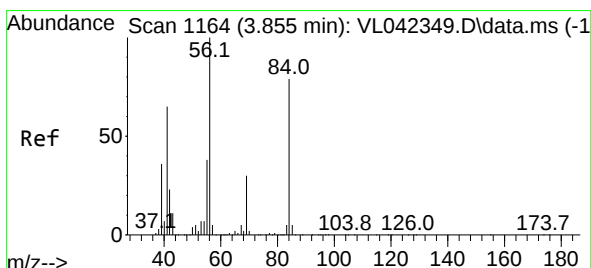
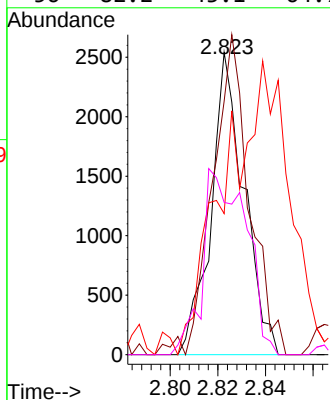
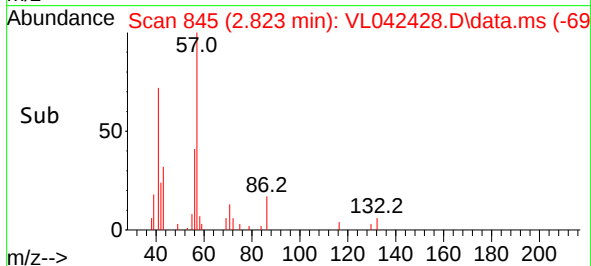
Instrument : MSVOA_L
ClientSampleId : EBR-P02-SC-IA01-20250423



Tgt Ion: 57 Resp: 244
Ion Ratio Lower Upper
57 100
41 118.9 77.9 116.9
43 192.0 208.4 312.6
56 82.2 43.1 64.7

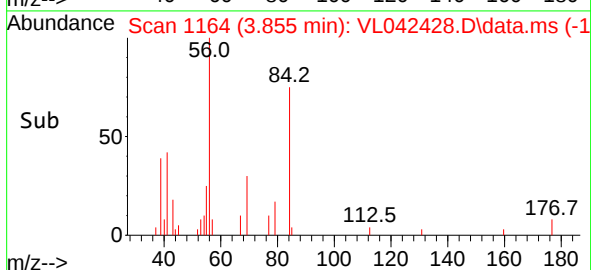
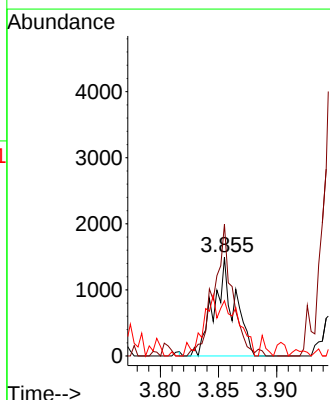
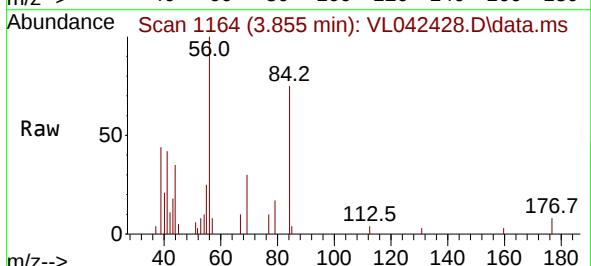
Manual Integrations
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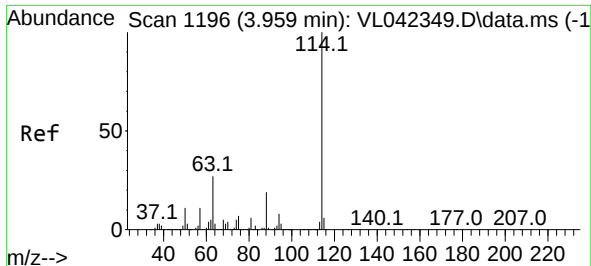
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#30
Cyclohexane
Concen: 0.107 ppbv m
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 84 Resp: 1851
Ion Ratio Lower Upper
84 100
56 119.9 101.0 151.4
41 98.0 67.4 101.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.003 min

Lab File: VL042428.D

Acq: 28 Apr 2025 16:16

Instrument :

MSVOA_L

ClientSampleId :

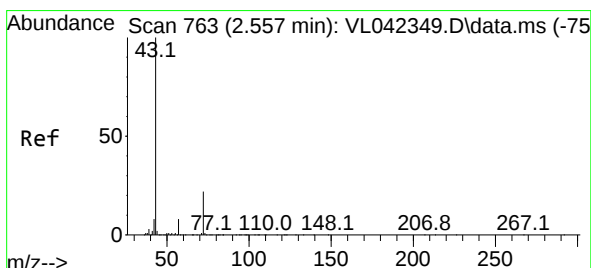
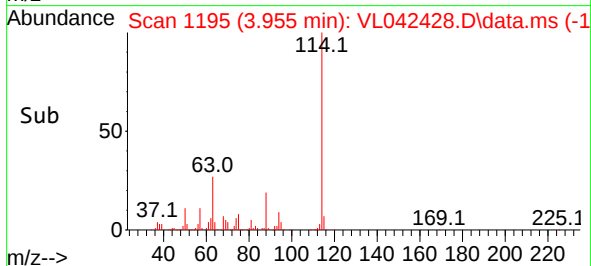
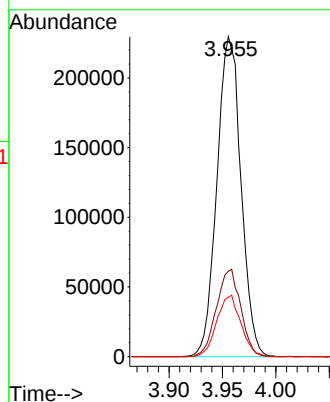
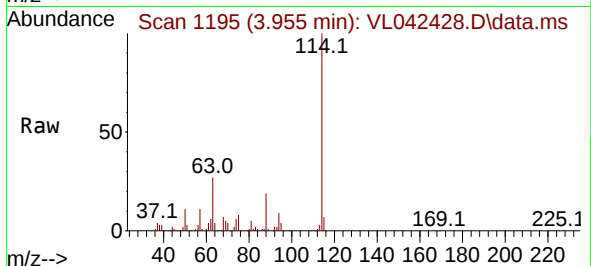
EBR-P02-SC-IA01-20250423

Tgt Ion:114	Resp:	360130
Ion Ratio	Lower	Upper
114	100	
63	27.6	21.8 32.6
88	19.1	15.5 23.3

Manual Integrations

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



#34

2-Butanone

Concen: 0.410 ppbv

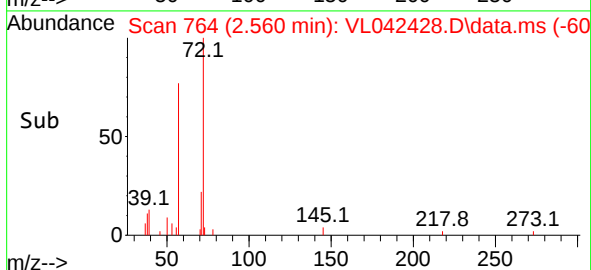
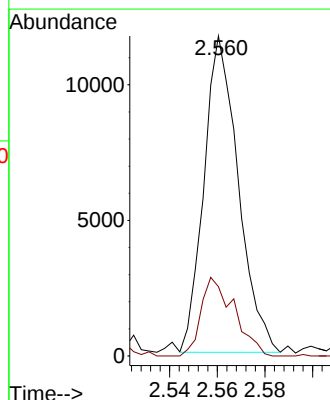
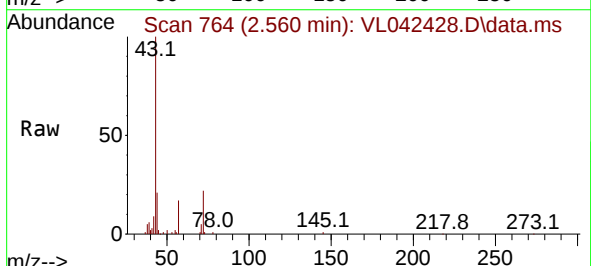
RT: 2.560 min Scan# 764

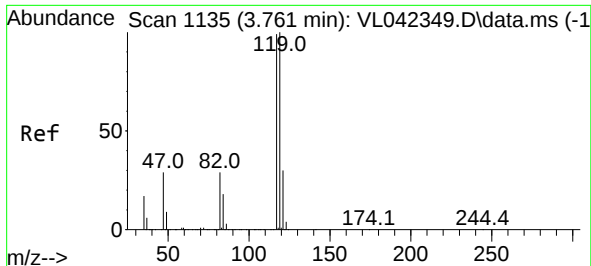
Delta R.T. 0.003 min

Lab File: VL042428.D

Acq: 28 Apr 2025 16:16

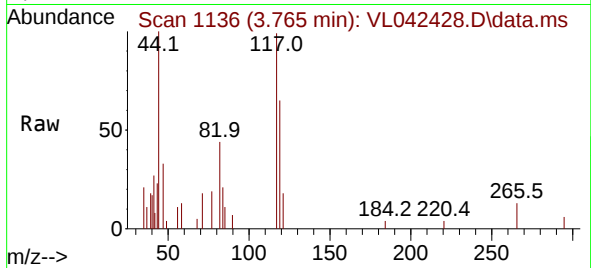
Tgt Ion: 43	Resp:	11685
Ion Ratio	Lower	Upper
43	100	
72	24.1	18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 3.765 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

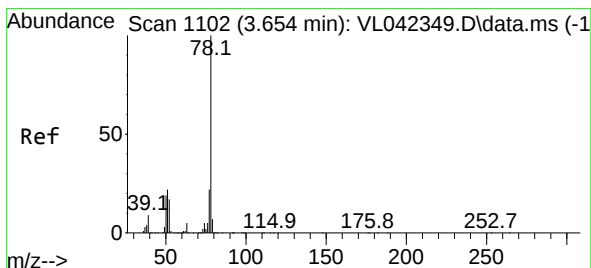
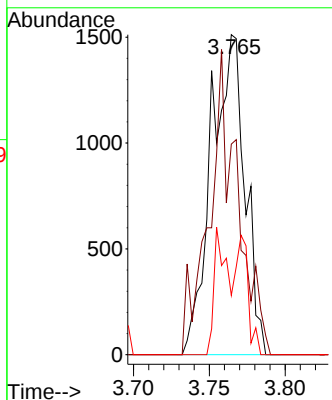
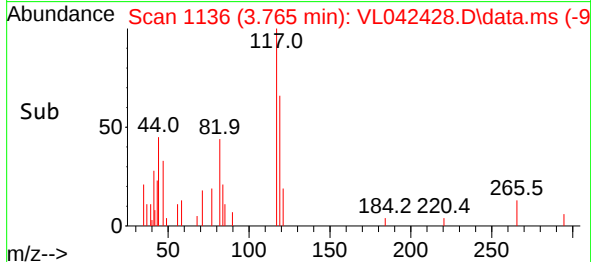
Instrument : MSVOA_L
ClientSampleId : EBR-P02-SC-IA01-20250423



Tgt Ion:117 Resp: 2330
Ion Ratio Lower Upper
117 100
119 65.8 80.5 120.7
121 18.6 24.2 36.2

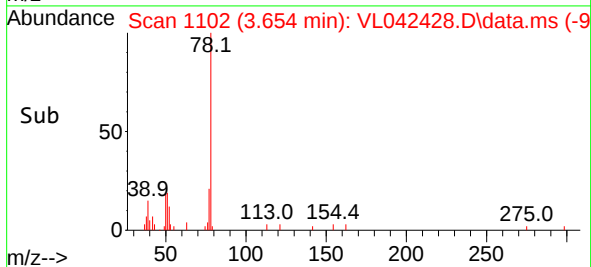
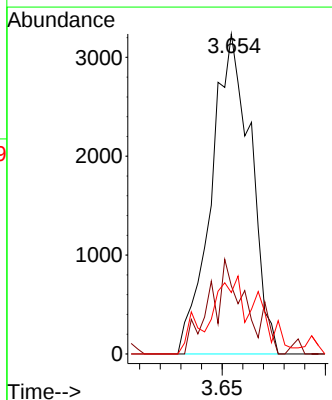
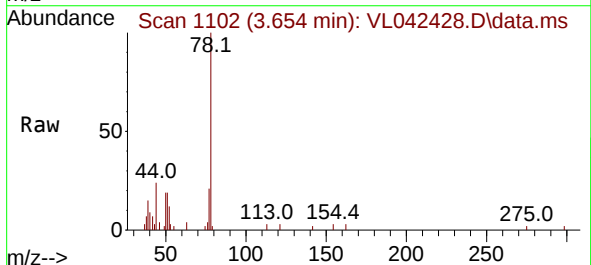
Manual Integrations
APPROVED

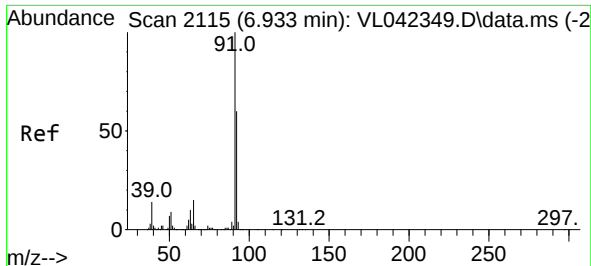
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#36
Benzene
Concen: 0.110 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

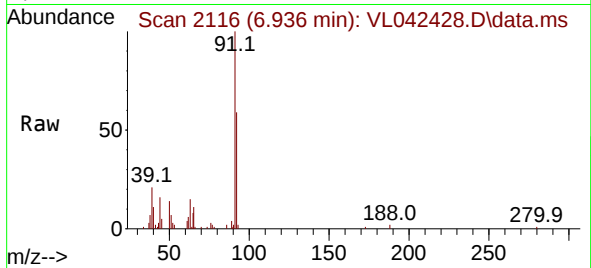
Tgt Ion: 78 Resp: 4289
Ion Ratio Lower Upper
78 100
77 21.3 17.4 26.0
50 19.2 15.5 23.3





#53
Toluene
Concen: 0.405 ppbv
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

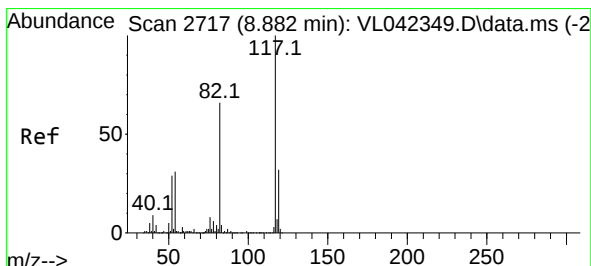
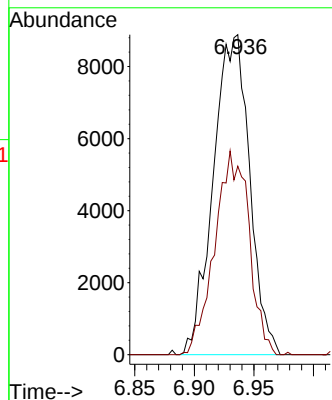
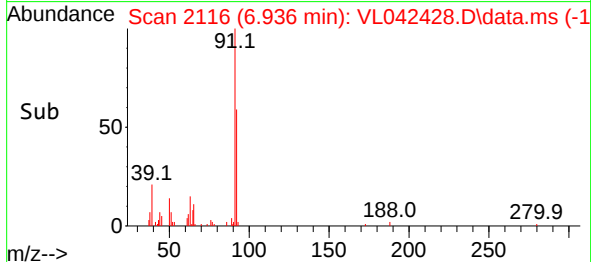
Instrument : MSVOA_L
ClientSampleId : EBR-P02-SC-IA01-20250423



Tgt Ion: 91 Resp: 18874
Ion Ratio Lower Upper
91 100
92 60.0 48.2 72.4

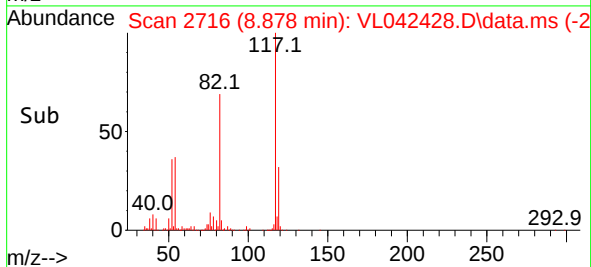
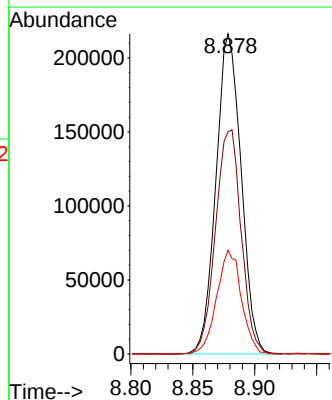
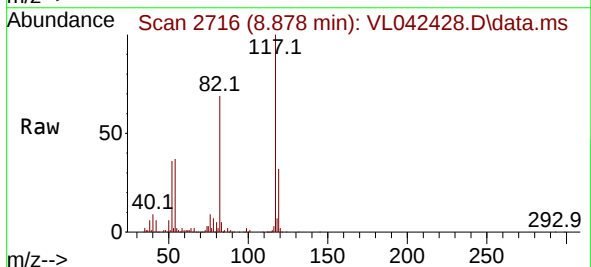
Manual Integrations
APPROVED

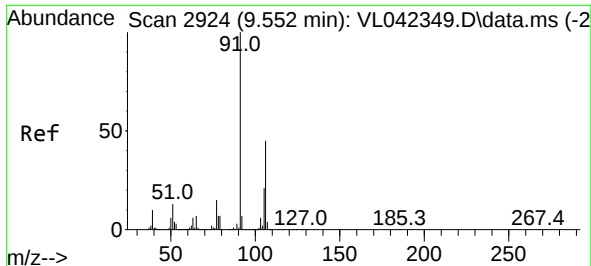
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:117 Resp: 306395
Ion Ratio Lower Upper
117 100
82 71.3 57.8 86.6
119 31.8 25.2 37.8





#59

m/p-Xylene

Concen: 0.150 ppbv m

RT: 9.529 min Scan# 2917

Delta R.T. -0.023 min

Lab File: VL042428.D

Acq: 28 Apr 2025 16:16

Instrument :

MSVOA_L

ClientSampleId :

EBR-P02-SC-IA01-20250423

Tgt Ion: 91 Resp: 734

Ion Ratio Lower Upper

91 100

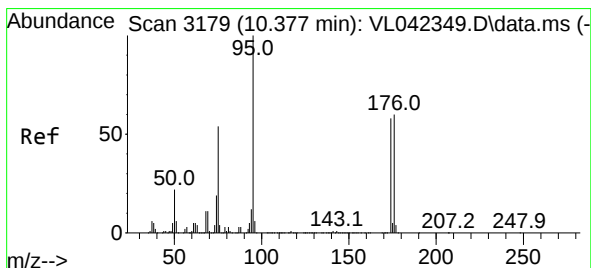
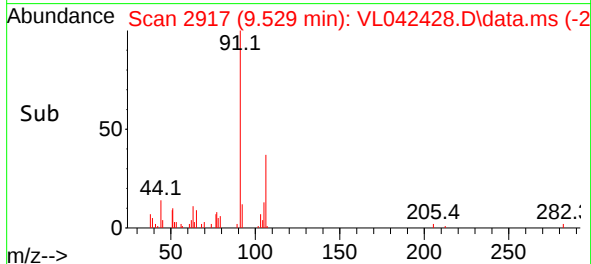
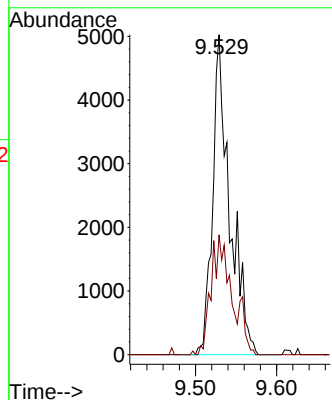
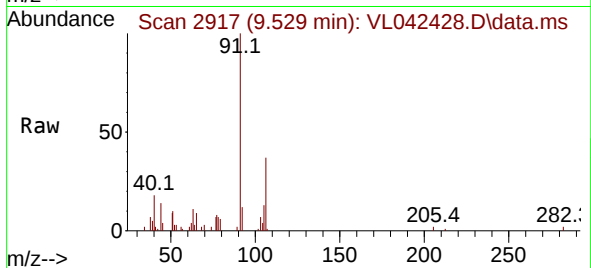
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.562 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042428.D

Acq: 28 Apr 2025 16:16

Tgt Ion: 95 Resp: 265930

Ion Ratio Lower Upper

95 100

174 51.8 48.5 72.7

175 4.3 3.7 5.5

