

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042429.D
 Acq On : 28 Apr 2025 16:50
 Operator : SY/MD
 Sample : Q1880-10
 Misc : 400mL/MSVOA_L
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P16-SC-AA01-20250422

Quant Time: Apr 29 01:40:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.784	49	126248	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	347099	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	291241	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	255913	10.693	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	10161	0.456	ppbv	94
3) Chlorodifluoromethane	1.476	51	5992m	0.282	ppbv	
4) Chloromethane	1.531	50	5240	0.594	ppbv	92
9) Propene	1.486	41	4350m	0.450	ppbv	
11) Trichlorofluoromethane	1.878	101	5511	0.260	ppbv	91
13) Ethanol	1.719	45	11666	7.588	ppbv #	24
15) Acetone	1.836	43	68450	3.312	ppbv	98
19) Isopropyl Alcohol	1.887	45	8781	0.765	ppbv #	1
20) Methylene Chloride	2.062	84	8715	1.077	ppbv #	81
26) Hexane	2.823	57	10435	0.506	ppbv #	36
34) 2-Butanone	2.561	43	8080	0.294	ppbv	97
35) Carbon Tetrachloride	3.765	117	2327m	0.074	ppbv	
36) Benzene	3.655	78	4175	0.112	ppbv #	72
52) Tetrachloroethene	8.225	164	943m	0.065	ppbv	
53) Toluene	6.930	91	7437m	0.166	ppbv	
59) m/p-Xylene	9.523	91	6449m	0.139	ppbv	

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

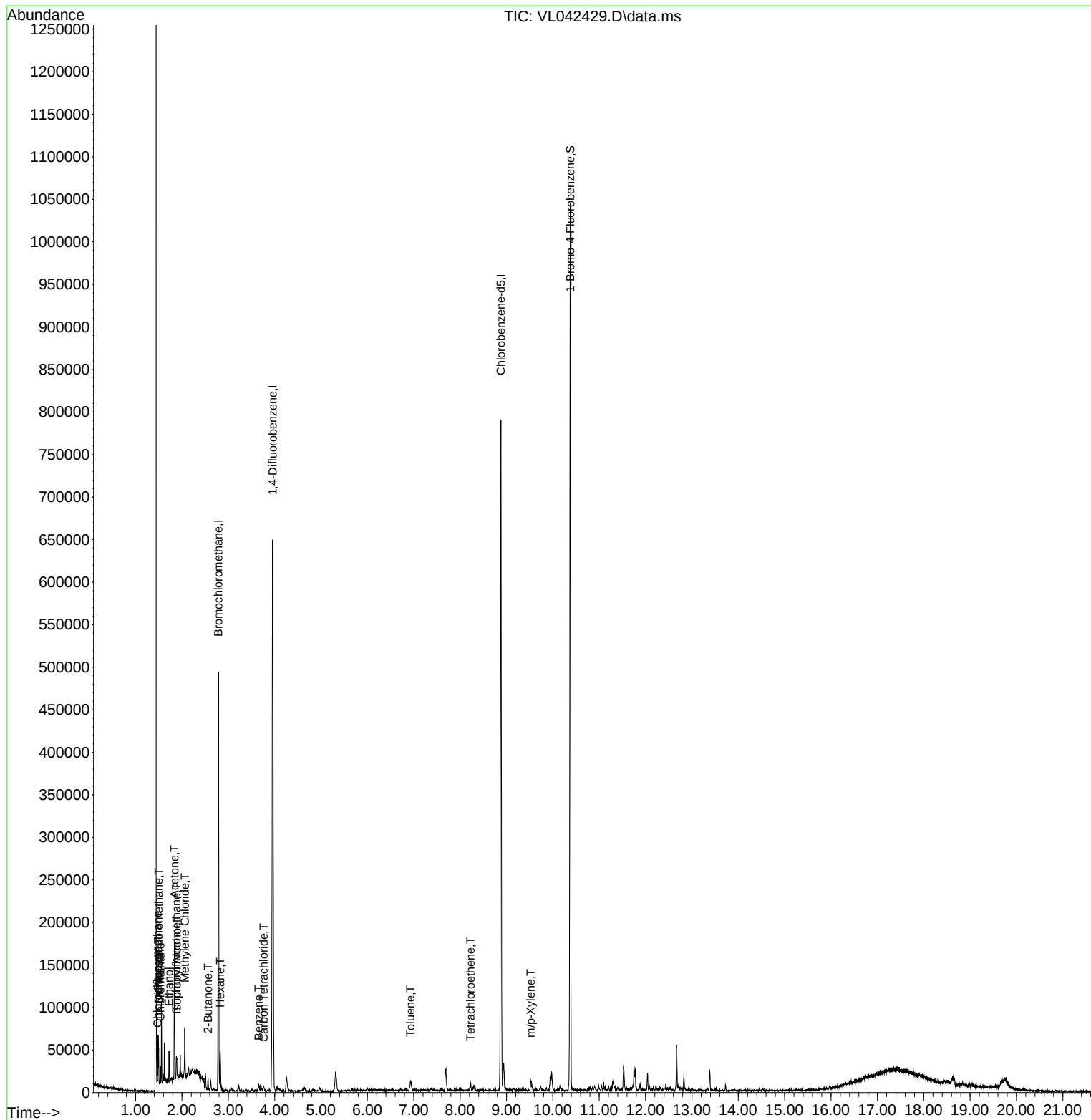
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042429.D
Acq On : 28 Apr 2025 16:50
Operator : SY/MD
Sample : Q1880-10
Misc : 400mL/MSVOA_L
ALS Vial : 16 Sample Multiplier: 1

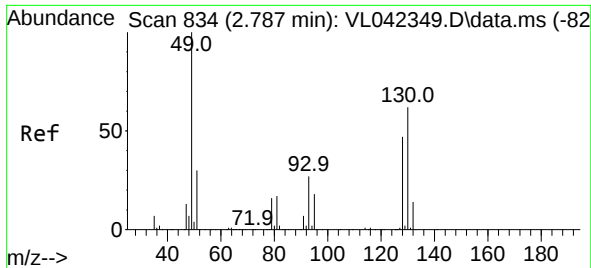
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Quant Time: Apr 29 01:40:06 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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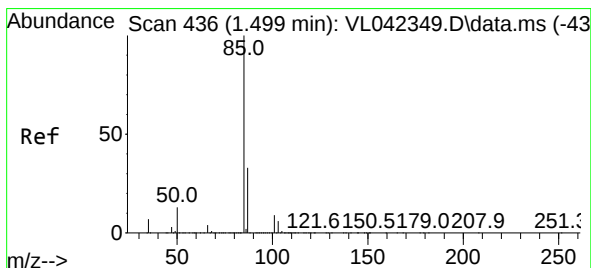
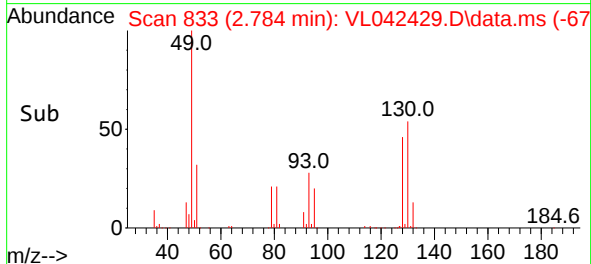
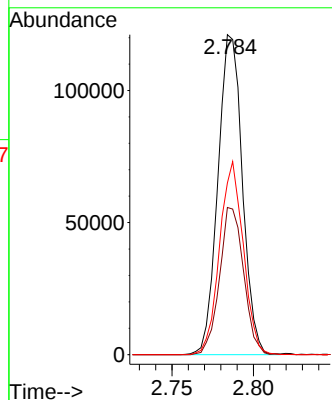
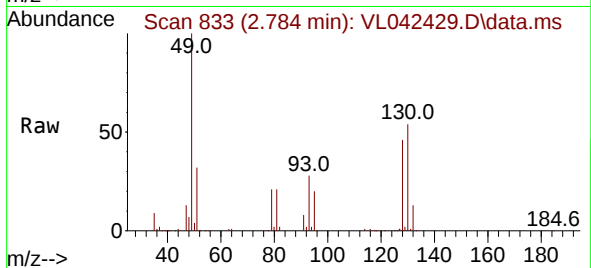
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422

Tgt Ion: 49 Resp: 12624
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 58.6 29.3 88.0

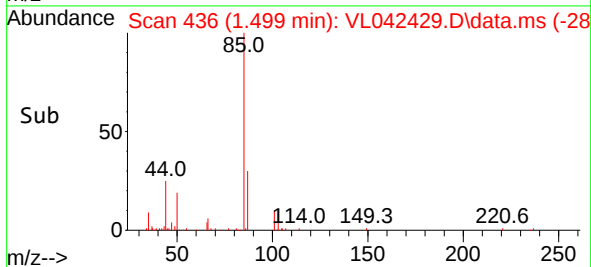
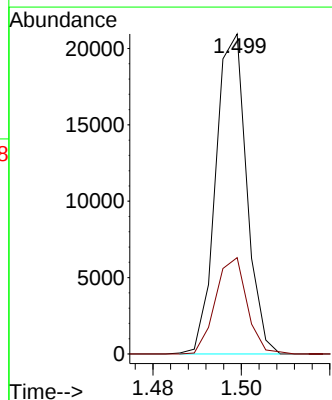
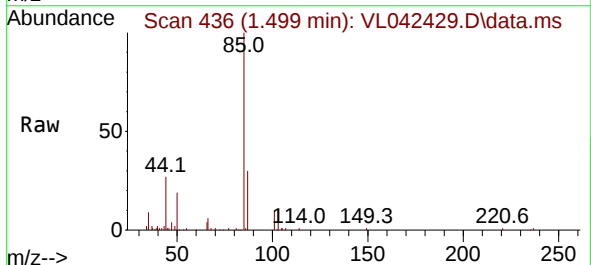
Manual Integrations
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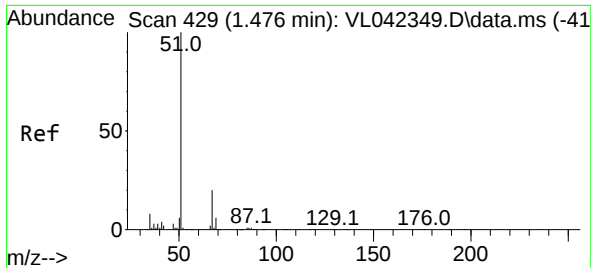
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 85 Resp: 10161
Ion Ratio Lower Upper
85 100
87 30.1 26.6 39.8





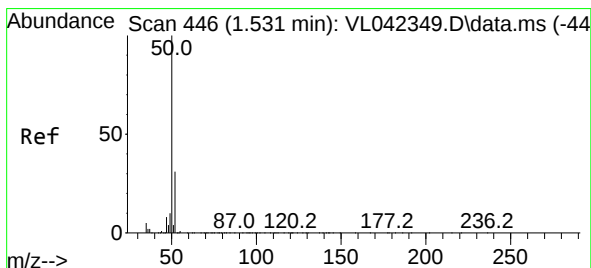
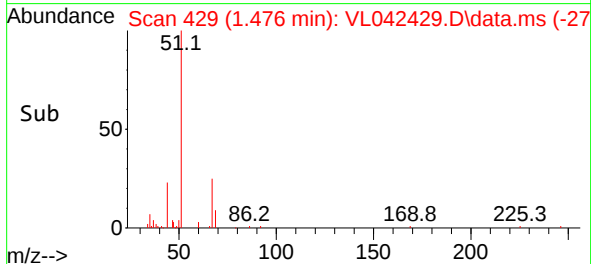
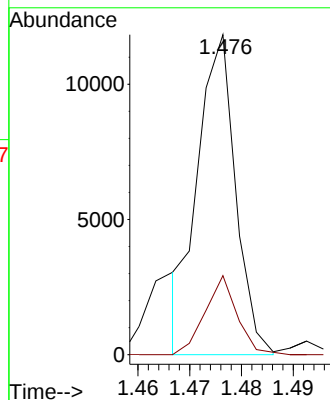
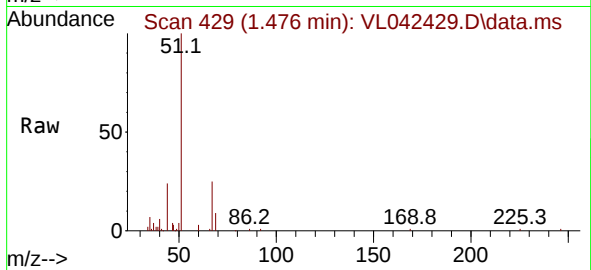
#3
Chlorodifluoromethane
Concen: 0.282 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 51 Resp: 5992
Ion Ratio Lower Upper
51 100
67 1.9 16.2 24.4

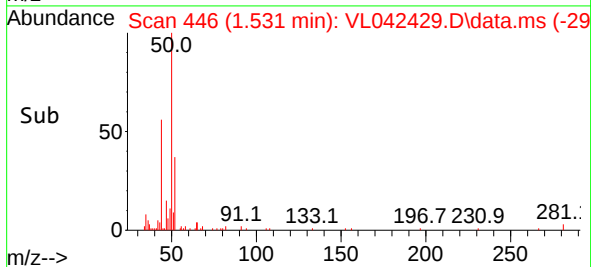
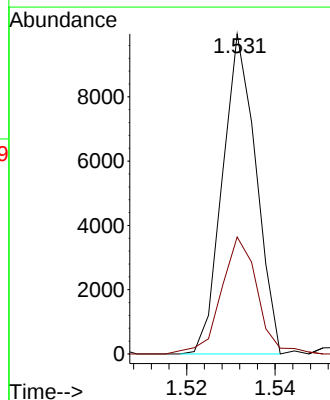
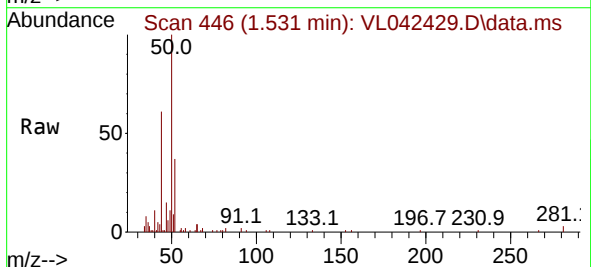
Manual Integrations
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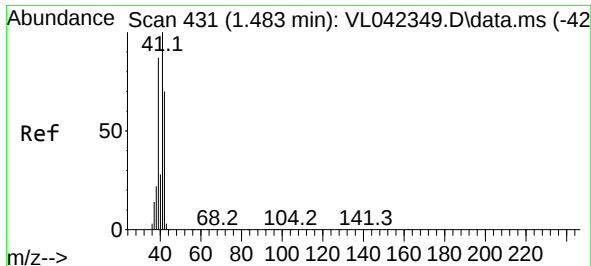
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#4
Chloromethane
Concen: 0.594 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 50 Resp: 5240
Ion Ratio Lower Upper
50 100
52 35.5 24.7 37.1





#9

Propene

Concen: 0.450 ppbv m

RT: 1.486 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042429.D

Acq: 28 Apr 2025 16:50

Instrument :

MSVOA_L

ClientSampleId :

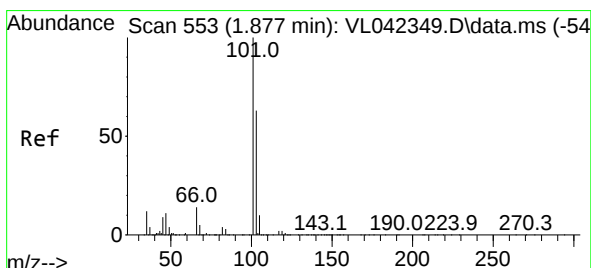
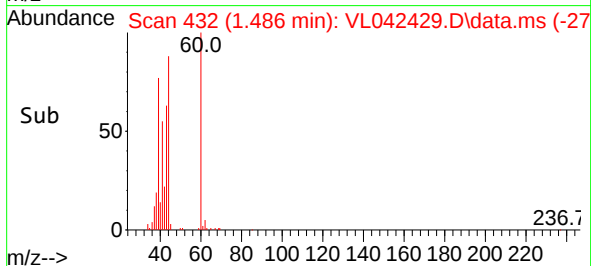
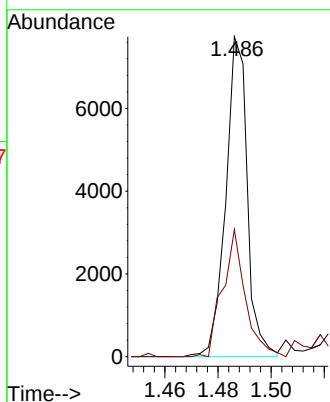
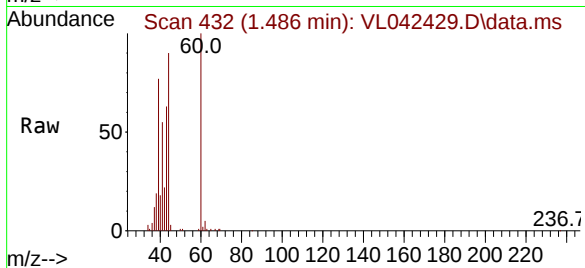
EBR-P16-SC-AA01-20250422

Tgt Ion: 41 Resp: 4350
 Ion Ratio Lower Upper
 41 100
 42 80.5 56.2 84.4

Manual Integrations

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 Supervised By :Mahesh Dadoda 04/30/2025



#11

Trichlorofluoromethane

Concen: 0.260 ppbv

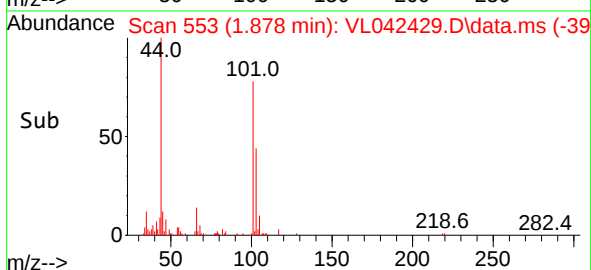
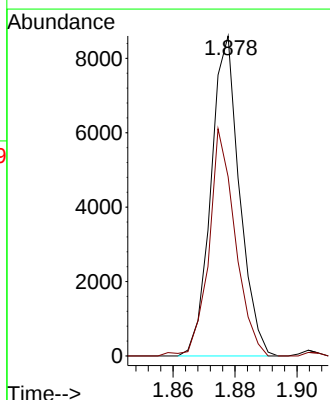
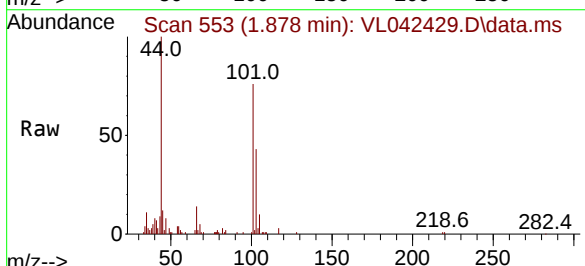
RT: 1.878 min Scan# 553

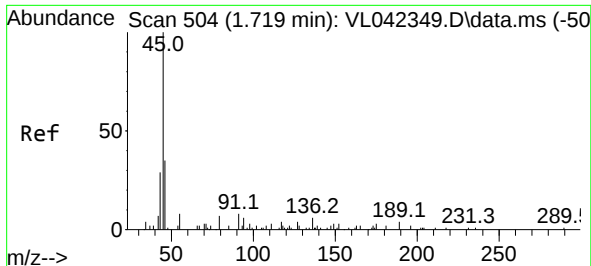
Delta R.T. 0.000 min

Lab File: VL042429.D

Acq: 28 Apr 2025 16:50

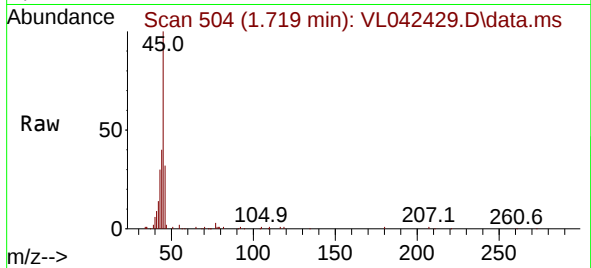
Tgt Ion:101 Resp: 5511
 Ion Ratio Lower Upper
 101 100
 103 56.0 50.1 75.1





#13
Ethanol
Concen: 7.588 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

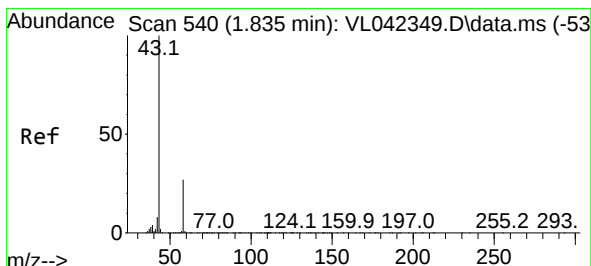
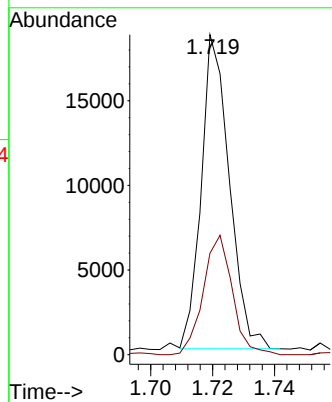
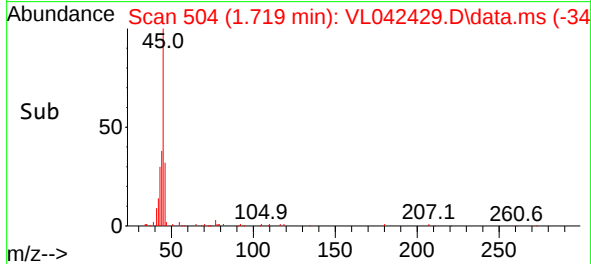
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422



Tgt Ion: 45 Resp: 11660
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

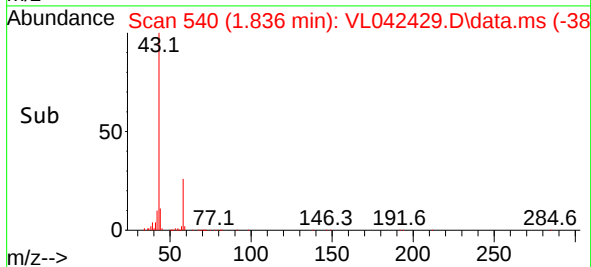
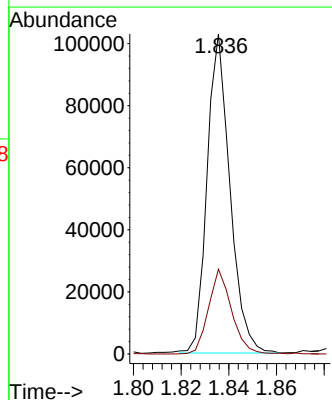
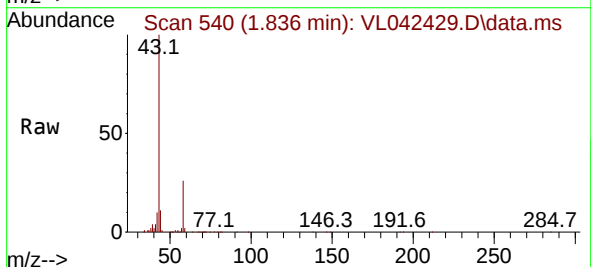
Manual Integrations
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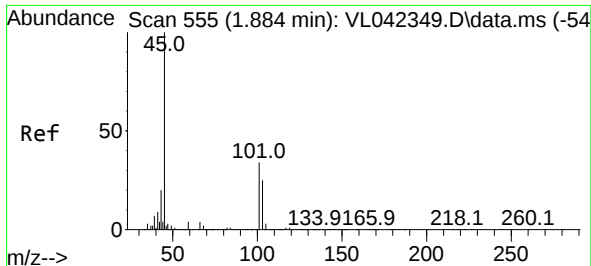
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#15
Acetone
Concen: 3.312 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

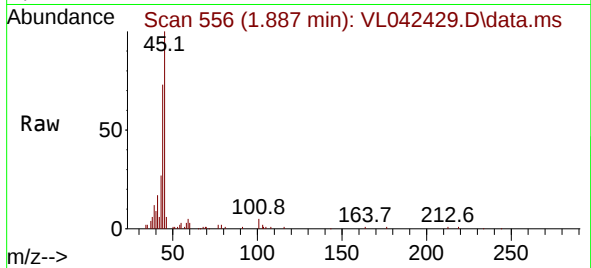
Tgt Ion: 43 Resp: 68450
Ion Ratio Lower Upper
43 100
58 27.0 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.765 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

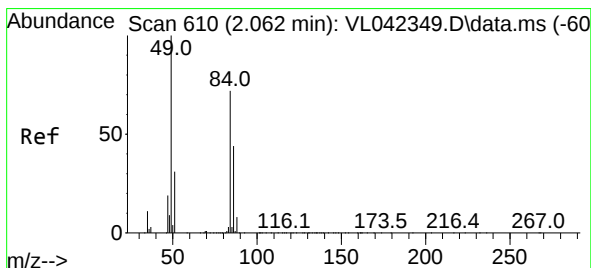
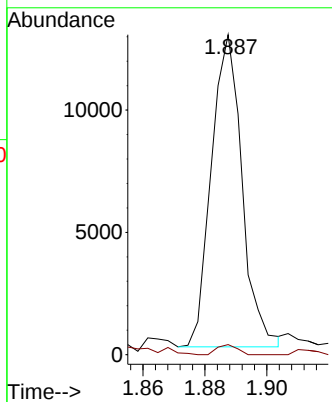
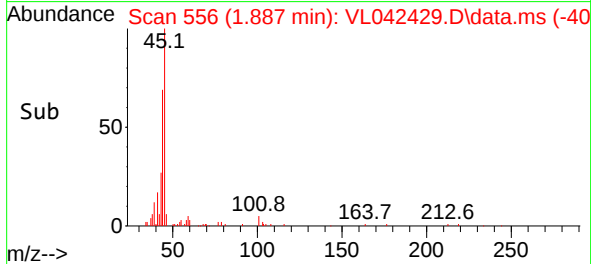
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422



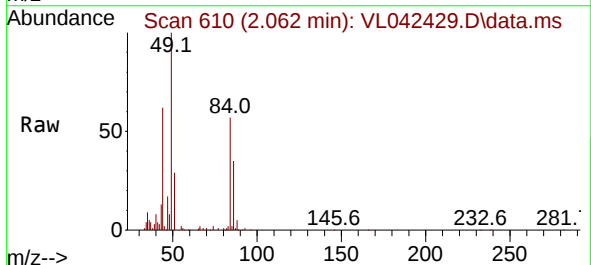
Tgt Ion: 45 Resp: 878
Ion Ratio Lower Upper
45 100
58 210.2 34.5 51.7

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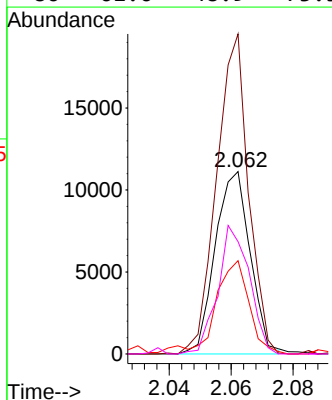
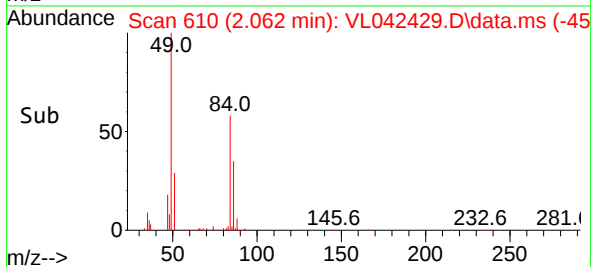
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

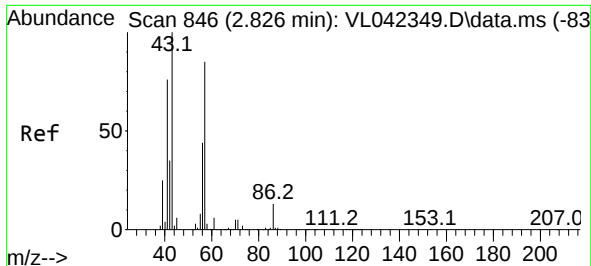


#20
Methylene Chloride
Concen: 1.077 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50



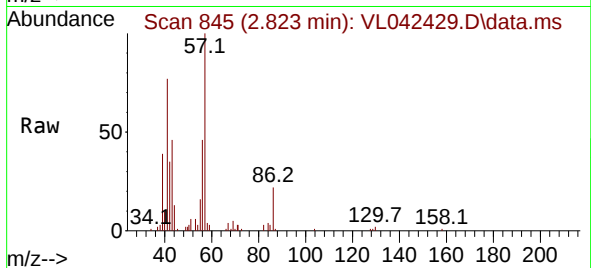
Tgt Ion: 84 Resp: 8715
Ion Ratio Lower Upper
84 100
49 175.4 111.6 167.4#
51 49.7 35.1 52.7
86 61.6 48.9 73.3





#26
Hexane
Concen: 0.506 ppbv
RT: 2.823 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

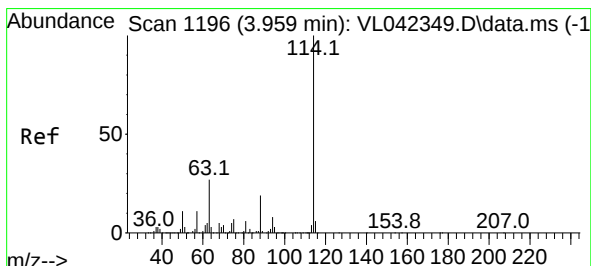
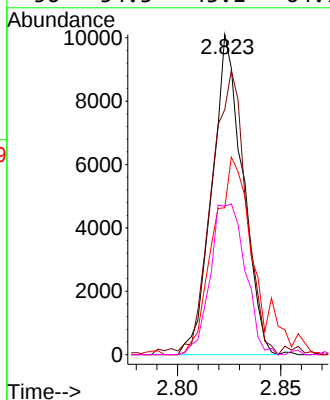
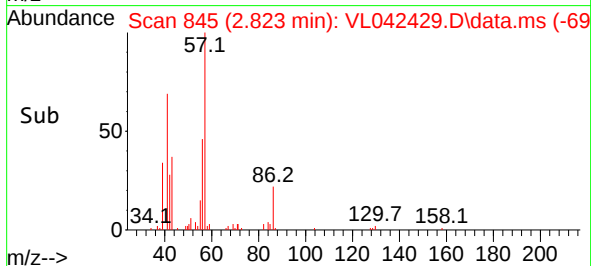
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422



Tgt Ion: 57 Resp: 10435
Ion Ratio Lower Upper
57 100
41 102.3 77.9 116.9
43 83.9 208.4 312.6
56 54.3 43.1 64.7

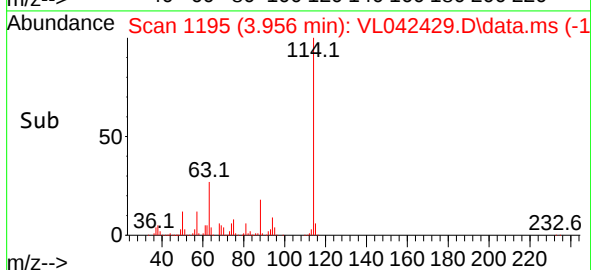
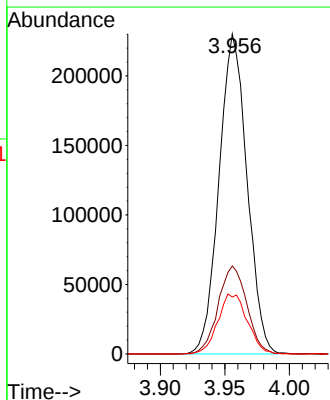
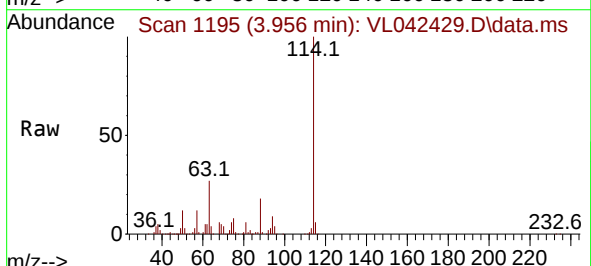
Manual Integrations
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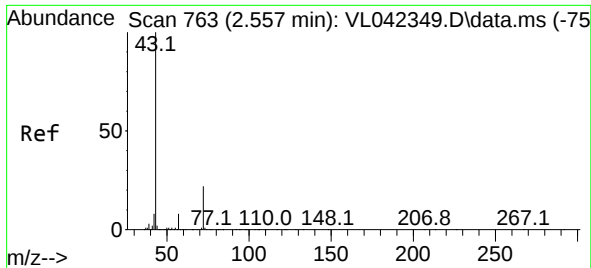
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

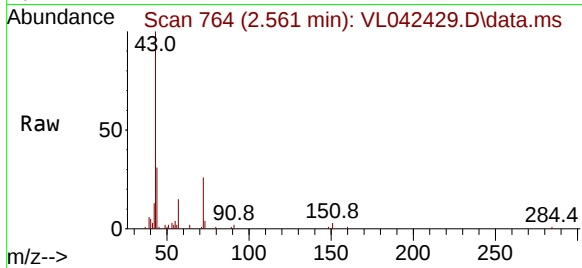
Tgt Ion:114 Resp: 347099
Ion Ratio Lower Upper
114 100
63 28.2 21.8 32.6
88 19.7 15.5 23.3





#34
2-Butanone
Concen: 0.294 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

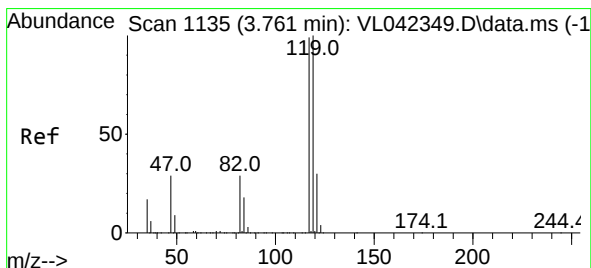
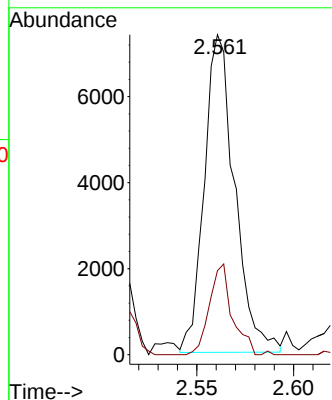
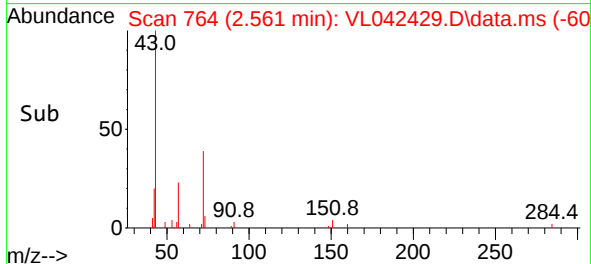
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422



Tgt Ion: 43 Resp: 8080
Ion Ratio Lower Upper
43 100
72 21.5 18.2 27.2

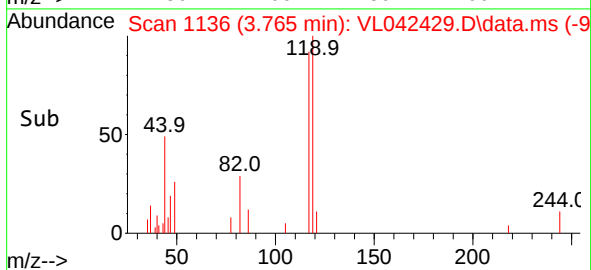
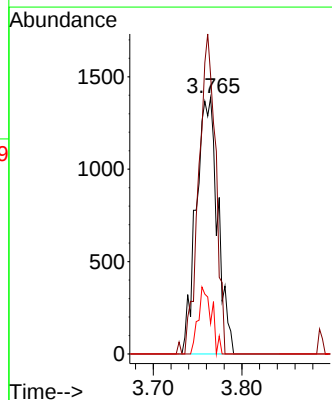
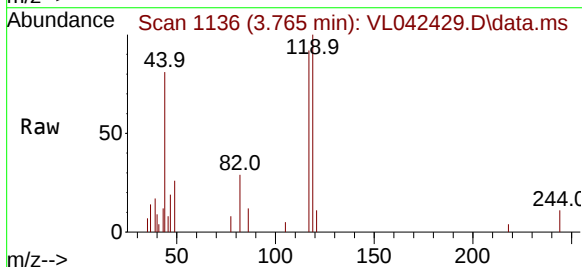
Manual Integrations
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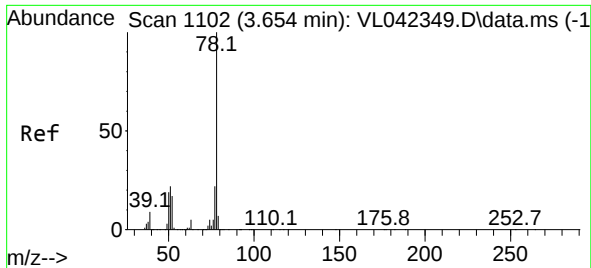
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 3.765 min Scan# 1136
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

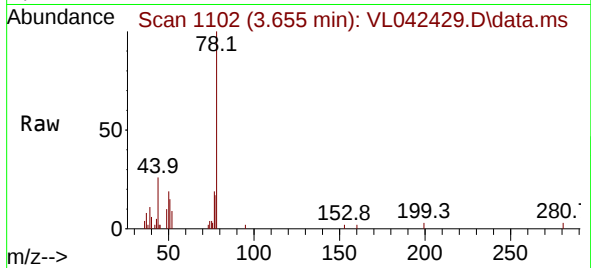
Tgt Ion:117 Resp: 2327
Ion Ratio Lower Upper
117 100
119 108.8 80.5 120.7
121 11.9 24.2 36.2#





#36
Benzene
Concen: 0.112 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

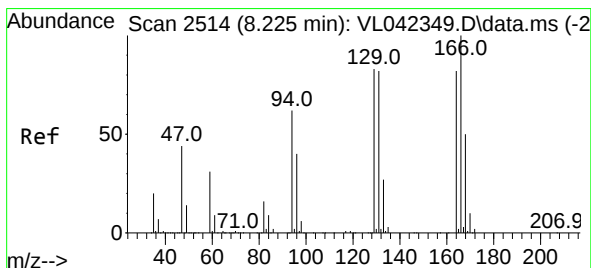
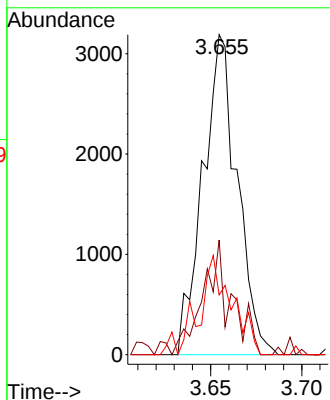
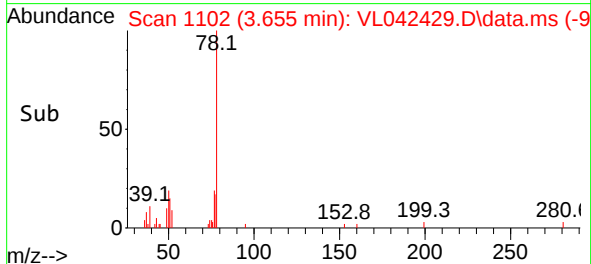
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422



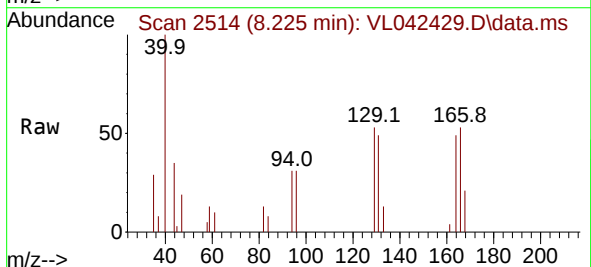
Tgt Ion: 78 Resp: 417
Ion Ratio Lower Upper
78 100
77 33.5 17.4 26.0
50 33.6 15.5 23.3

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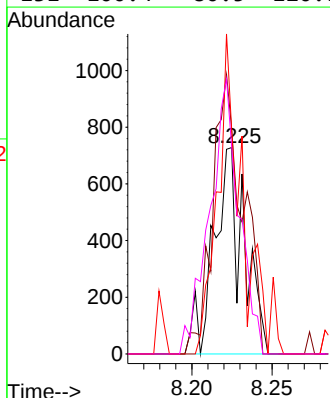
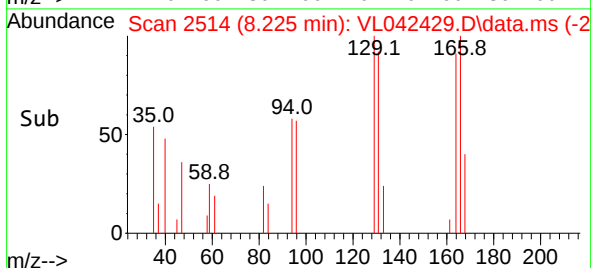
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

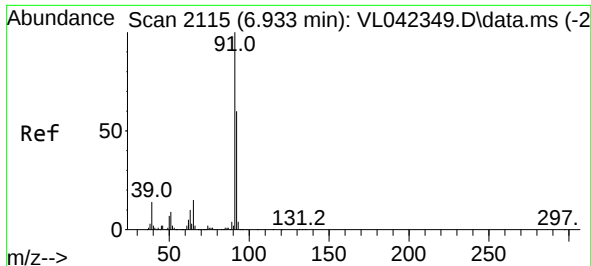


#52
Tetrachloroethene
Concen: 0.065 ppbv m
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50



Tgt Ion:164 Resp: 943
Ion Ratio Lower Upper
164 100
166 109.3 98.2 147.2
129 108.9 81.8 122.8
131 100.4 80.5 120.7





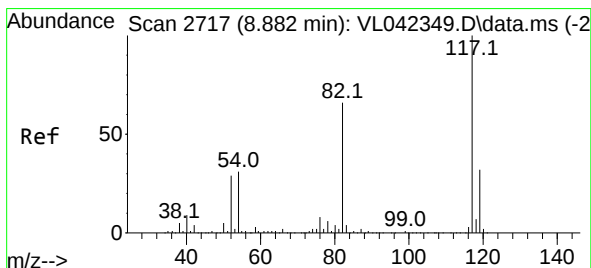
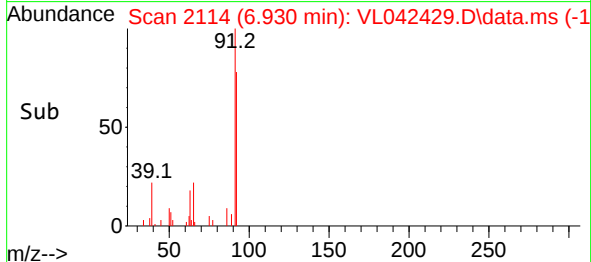
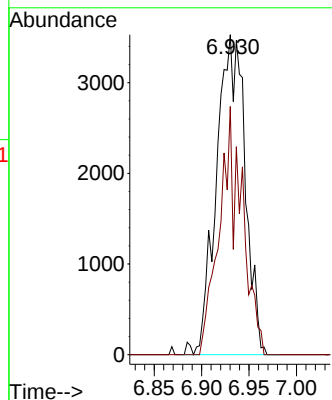
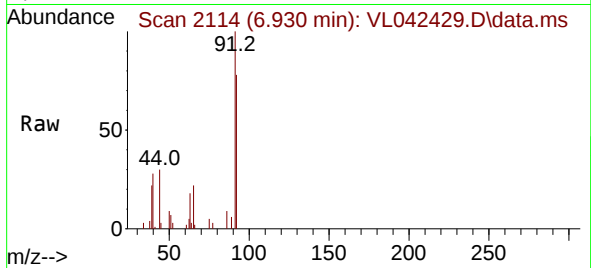
#53
Toluene
Concen: 0.166 ppbv m
RT: 6.930 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422

Tgt Ion: 91 Resp: 743
Ion Ratio Lower Upper
91 100
92 61.7 48.2 72.4

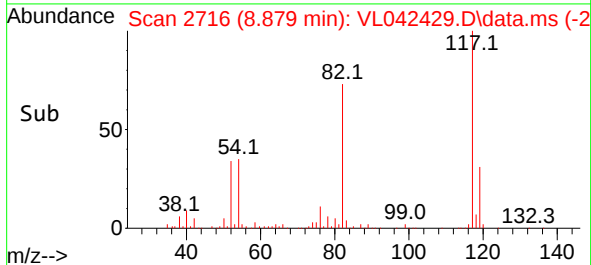
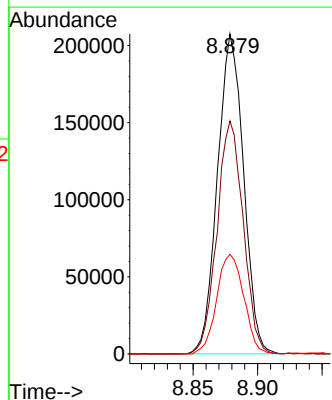
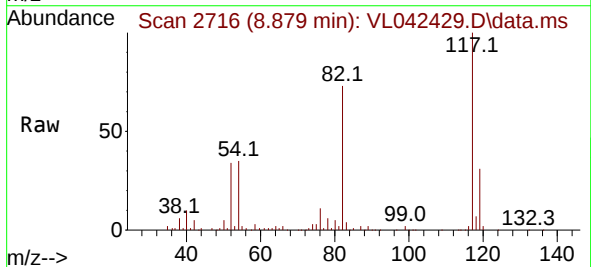
Manual Integrations
APPROVED

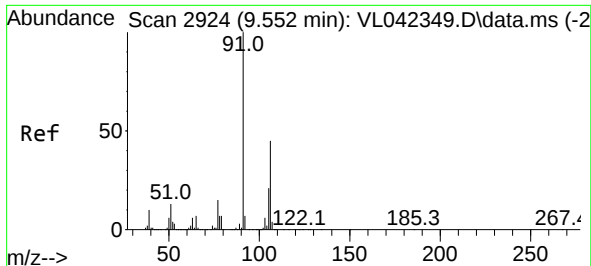
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:117 Resp: 291241
Ion Ratio Lower Upper
117 100
82 73.3 57.8 86.6
119 32.3 25.2 37.8





#59

m/p-Xylene

Concen: 0.139 ppbv m

RT: 9.523 min Scan# 2915

Delta R.T. -0.029 min

Lab File: VL042429.D

Acq: 28 Apr 2025 16:50

Instrument :

MSVOA_L

ClientSampleId :

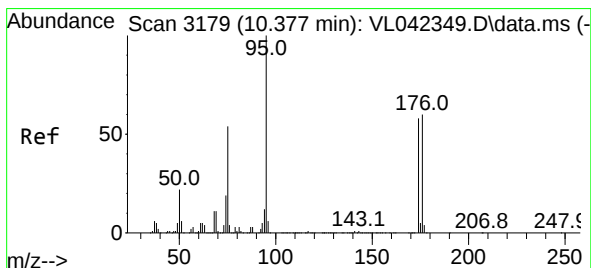
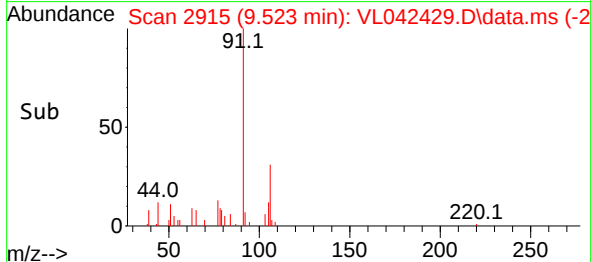
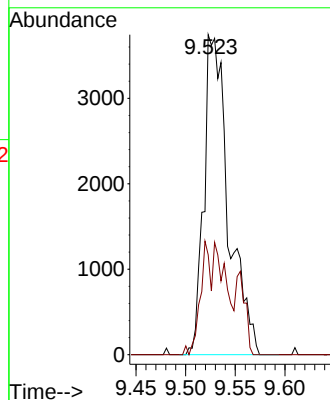
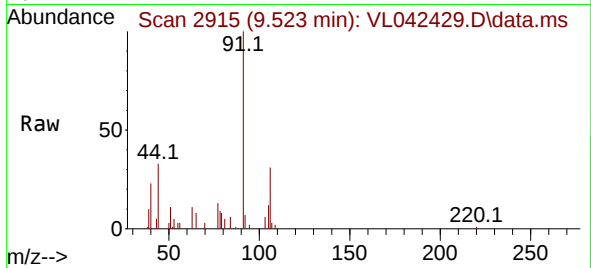
EBR-P16-SC-AA01-20250422

Tgt Ion: 91 Resp: 6449
 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: 10.693 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042429.D

Acq: 28 Apr 2025 16:50

Tgt Ion: 95 Resp: 255913
 Ion Ratio Lower Upper
 95 100
 174 53.6 48.5 72.7
 175 4.4 3.7 5.5

