

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042430.D
 Acq On : 28 Apr 2025 17:26
 Operator : SY/MD
 Sample : Q1880-10DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 29 01:40:34 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

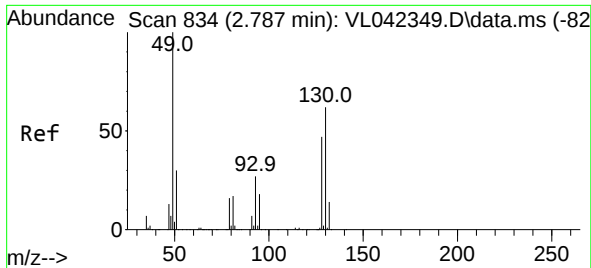
Manual Integrations APPROVED

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

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

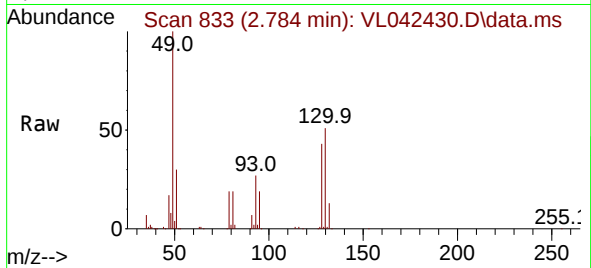
Internal Standards						
1) Bromochloromethane	2.784	49	123451	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	338945	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	287606	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	253604	10.731	ppbv	0.00
Spiked Amount	10.000	Range 65 - 135		Recovery	= 107.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	10657	0.489	ppbv	96
3) Chlorodifluoromethane	1.473	51	5903m	0.284	ppbv	
4) Chloromethane	1.531	50	5508	0.638	ppbv	90
9) Propene	1.486	41	3592	0.380	ppbv	96
11) Trichlorofluoromethane	1.877	101	5173	0.249	ppbv	93
13) Ethanol	1.719	45	11752	7.817	ppbv #	24
15) Acetone	1.835	43	68736	3.401	ppbv	95
19) Isopropyl Alcohol	1.887	45	9452	0.842	ppbv #	1
20) Methylene Chloride	2.059	84	8785	1.110	ppbv #	82
26) Hexane	2.826	57	9897	0.491	ppbv #	39
34) 2-Butanone	2.560	43	8526	0.318	ppbv	99
35) Carbon Tetrachloride	3.761	117	2204m	0.072	ppbv	
36) Benzene	3.651	78	3701m	0.101	ppbv	
52) Tetrachloroethene	8.224	164	989m	0.070	ppbv	
53) Toluene	6.930	91	7050m	0.161	ppbv	
59) m/p-Xylene	9.532	91	6785m	0.148	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

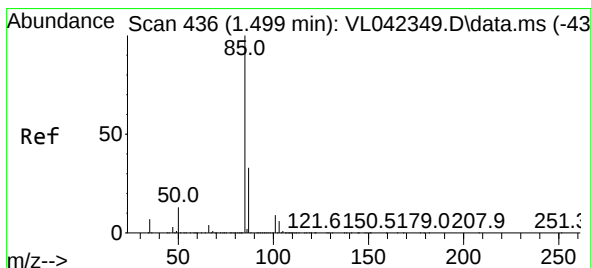
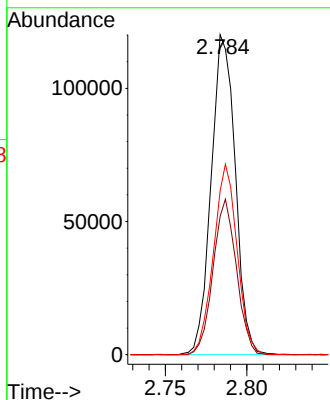
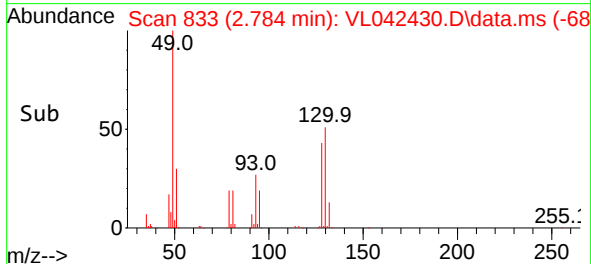
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422DUP



Tgt Ion: 49 Resp: 12345
Ion Ratio Lower Upper
49 100
128 47.1 22.8 68.4
130 58.3 29.3 88.0

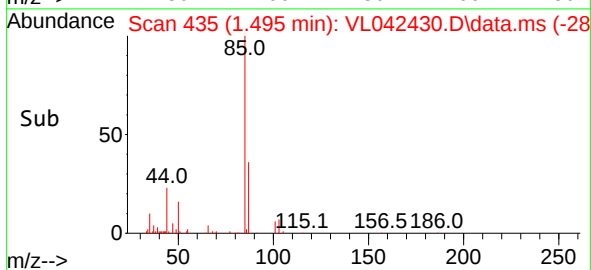
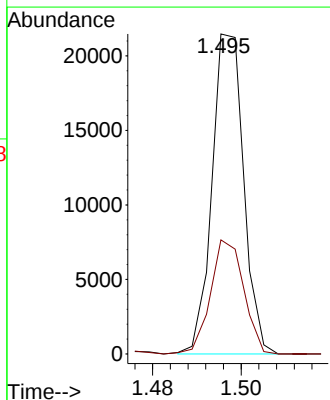
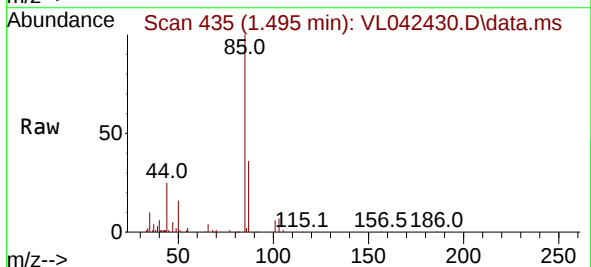
Manual Integrations
APPROVED

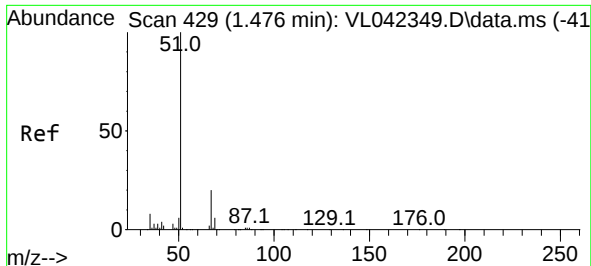
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.489 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

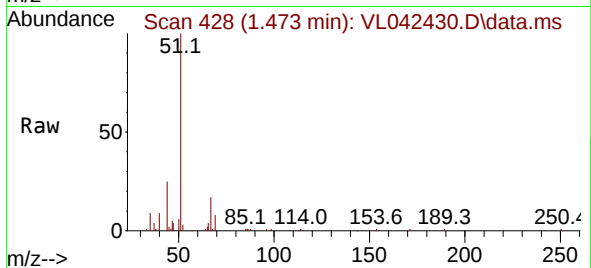
Tgt Ion: 85 Resp: 10657
Ion Ratio Lower Upper
85 100
87 35.7 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.284 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

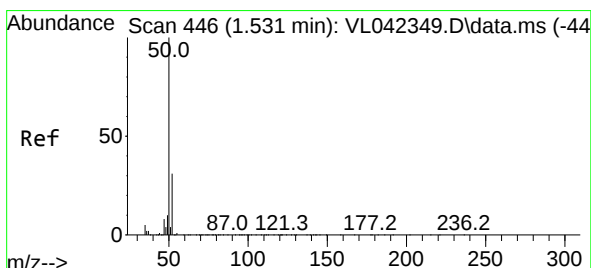
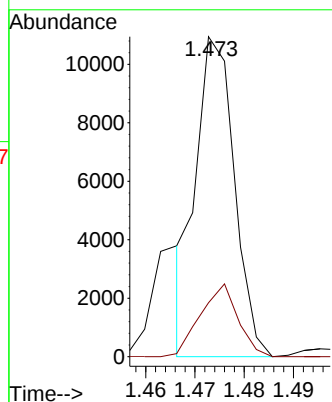
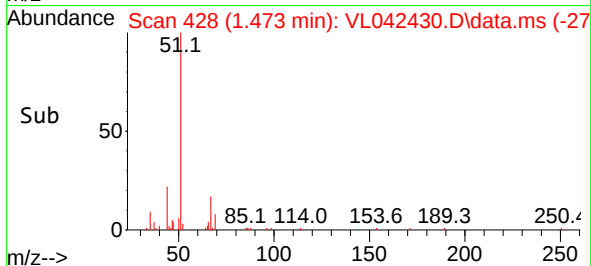
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422DUP



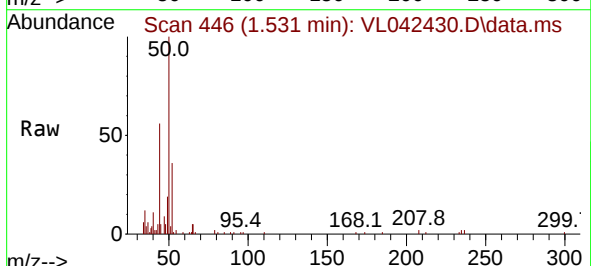
Tgt Ion: 51 Resp: 590
Ion Ratio Lower Upper
51 100
67 3.8 16.2 24.4

Manual Integrations
APPROVED

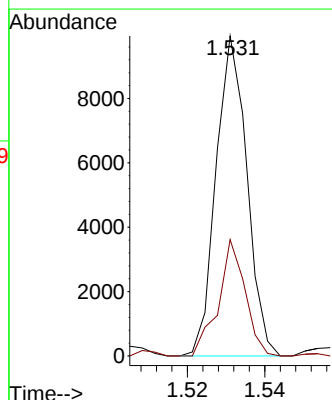
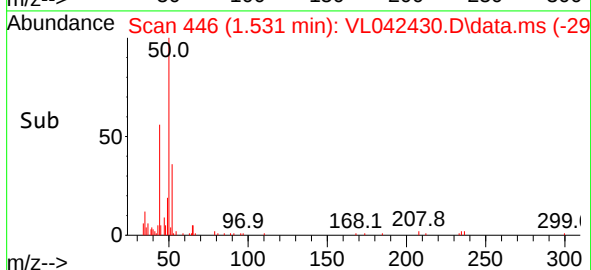
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

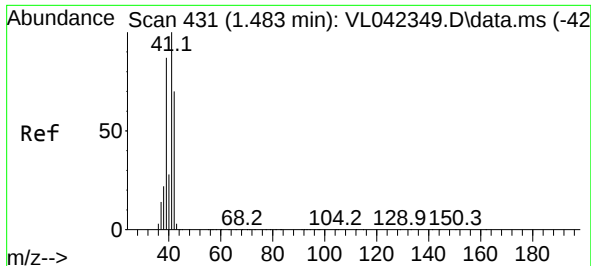


#4
Chloromethane
Concen: 0.638 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26



Tgt Ion: 50 Resp: 5508
Ion Ratio Lower Upper
50 100
52 36.3 24.7 37.1





#9

Propene

Concen: 0.380 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042430.D

Acq: 28 Apr 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

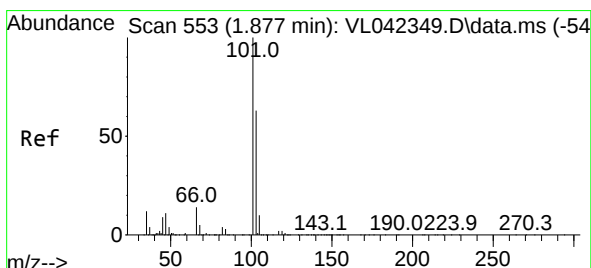
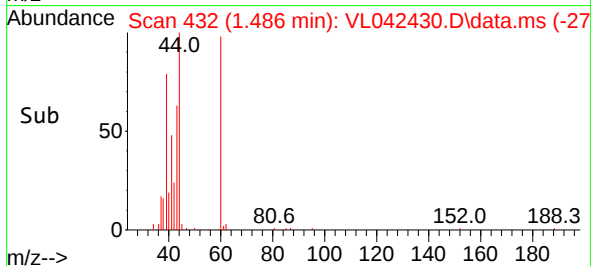
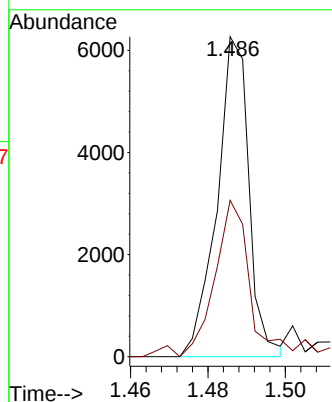
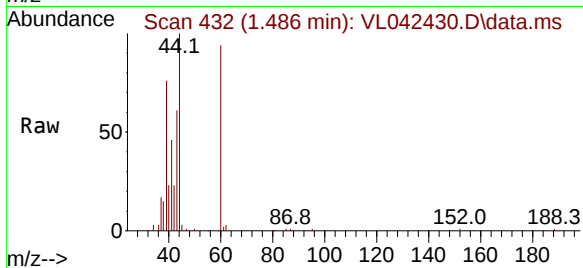
EBR-P16-SC-AA01-20250422DUP

Tgt Ion: 41 Resp: 3592
 Ion Ratio Lower Upper
 41 100
 42 66.7 56.2 84.4

Manual Integrations

APPROVED

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



#11

Trichlorofluoromethane

Concen: 0.249 ppbv

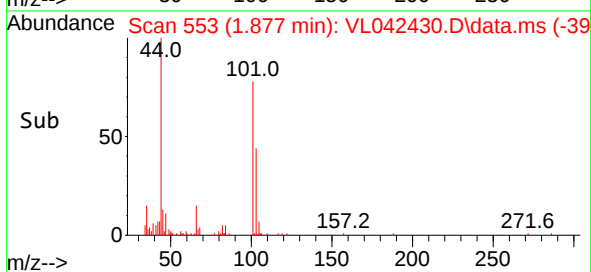
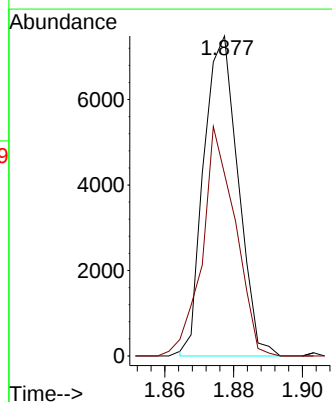
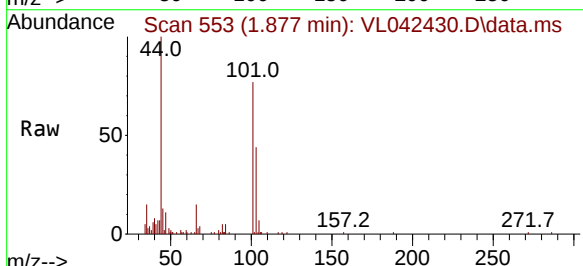
RT: 1.877 min Scan# 553

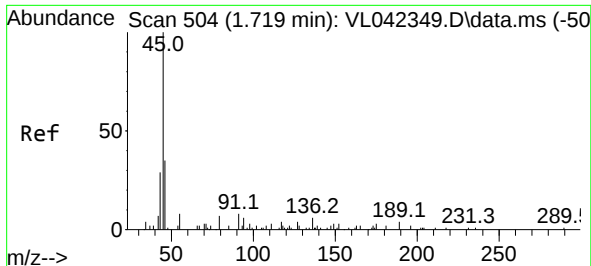
Delta R.T. -0.000 min

Lab File: VL042430.D

Acq: 28 Apr 2025 17:26

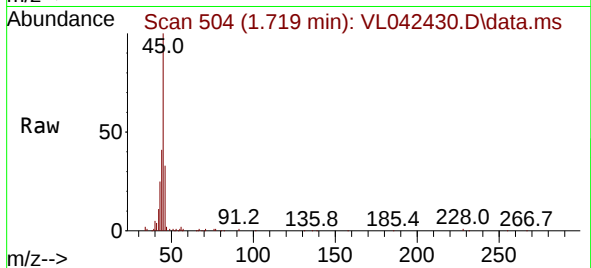
Tgt Ion:101 Resp: 5173
 Ion Ratio Lower Upper
 101 100
 103 56.8 50.1 75.1





#13
Ethanol
Concen: 7.817 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

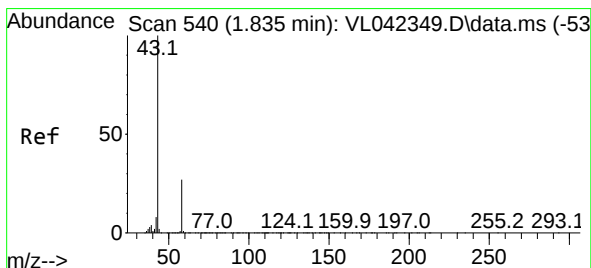
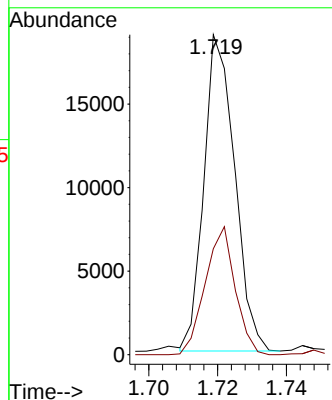
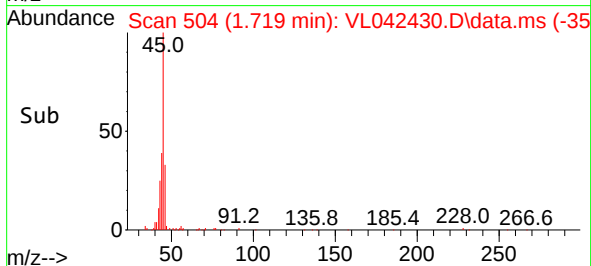
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422DUP



Tgt Ion: 45 Resp: 11752
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

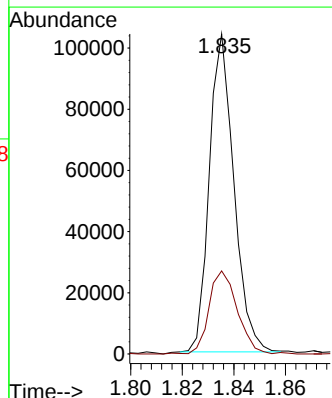
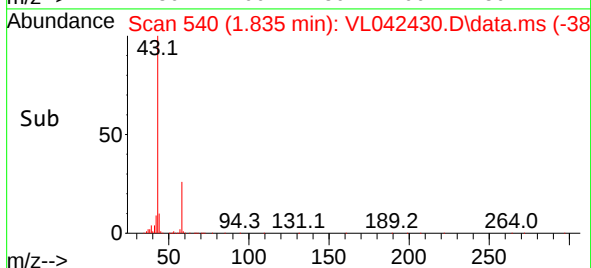
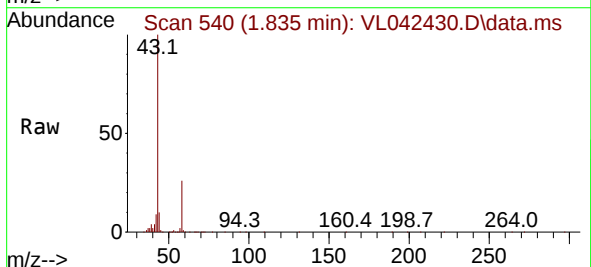
Manual Integrations
APPROVED

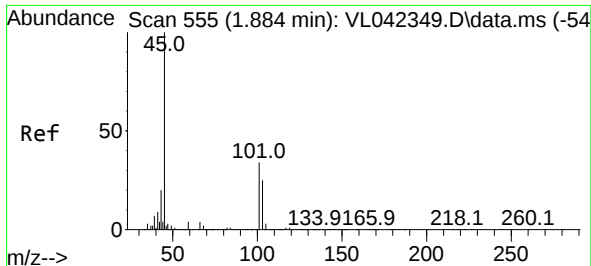
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#15
Acetone
Concen: 3.401 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

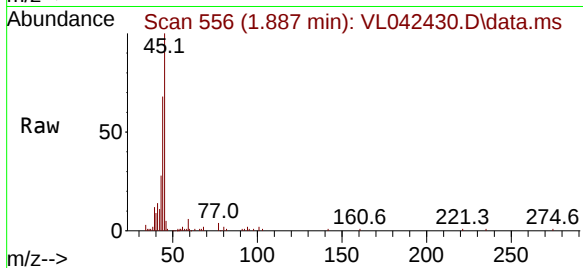
Tgt Ion: 43 Resp: 68736
Ion Ratio Lower Upper
43 100
58 30.4 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.842 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

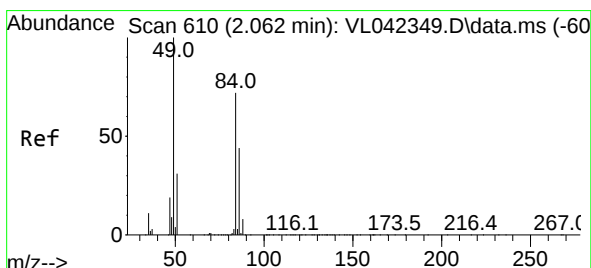
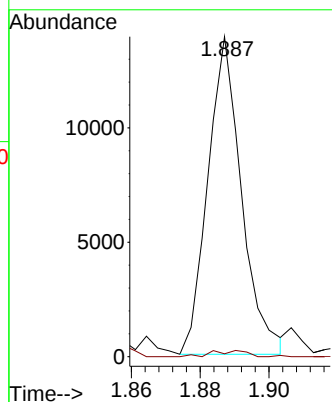
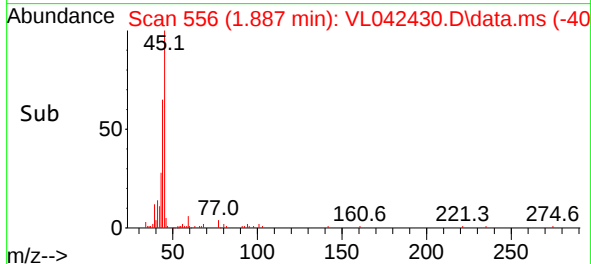
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422DUP



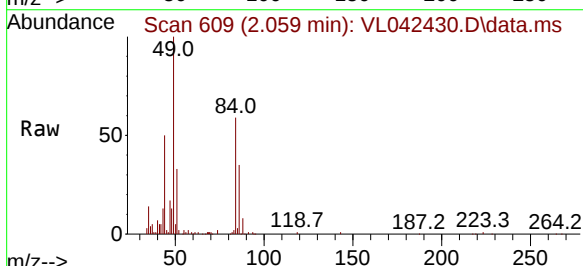
Tgt Ion: 45 Resp: 945
Ion Ratio Lower Upper
45 100
58 221.4 34.5 51.7

Manual Integrations
APPROVED

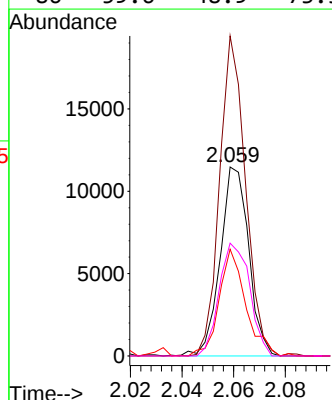
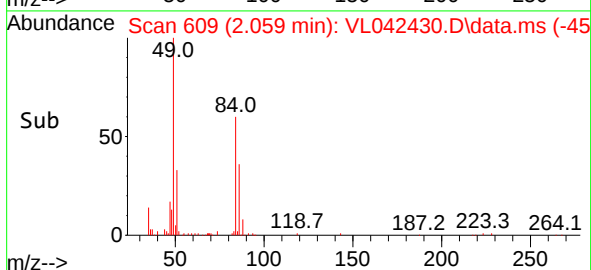
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

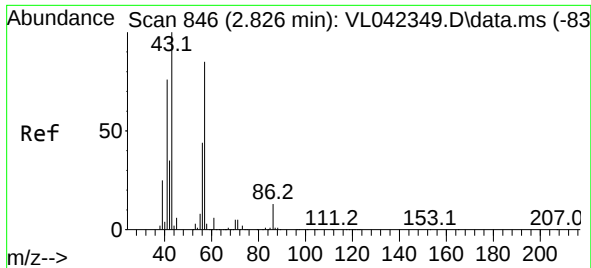


#20
Methylene Chloride
Concen: 1.110 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26



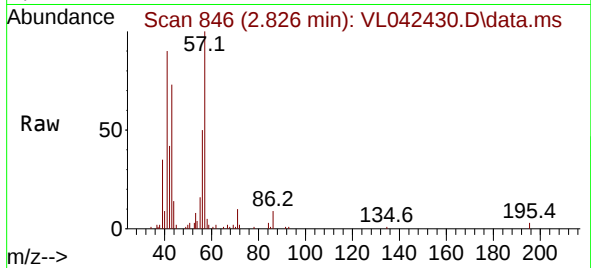
Tgt Ion: 84 Resp: 8785
Ion Ratio Lower Upper
84 100
49 169.3 111.6 167.4#
51 56.5 35.1 52.7#
86 59.6 48.9 73.3





#26
Hexane
Concen: 0.491 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

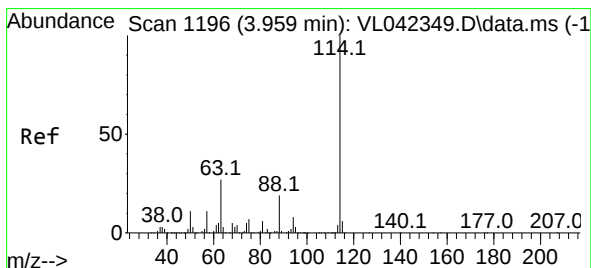
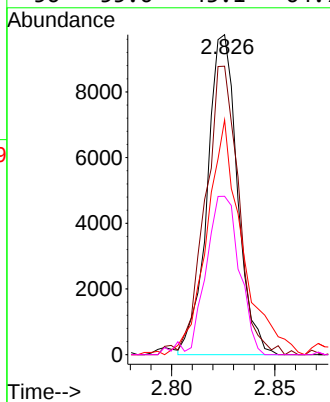
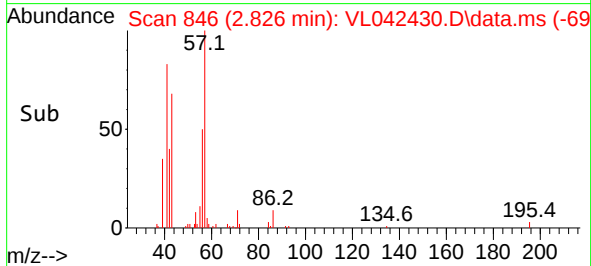
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422DUP



Tgt Ion: 57 Resp: 989
Ion Ratio Lower Upper
57 100
41 100.8 77.9 116.9
43 89.9 208.4 312.6
56 55.6 43.1 64.7

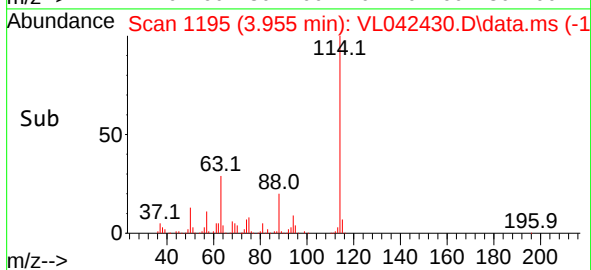
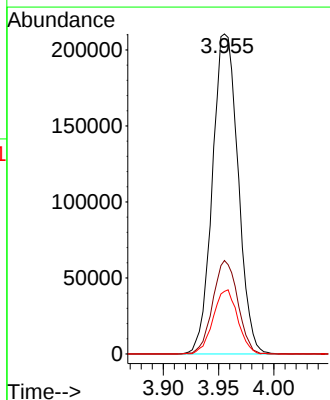
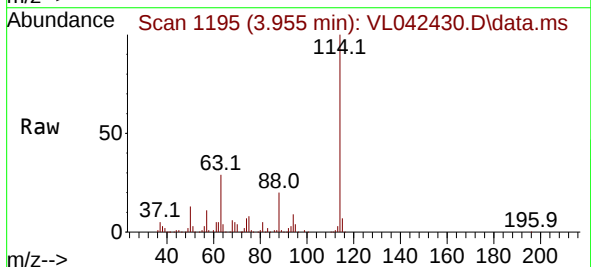
Manual Integrations
APPROVED

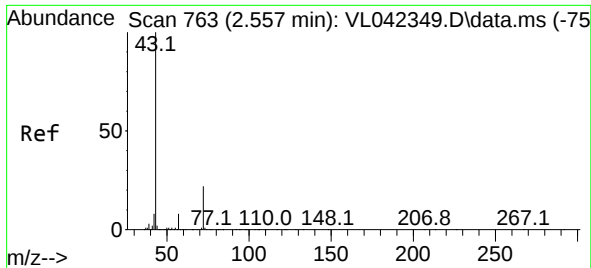
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

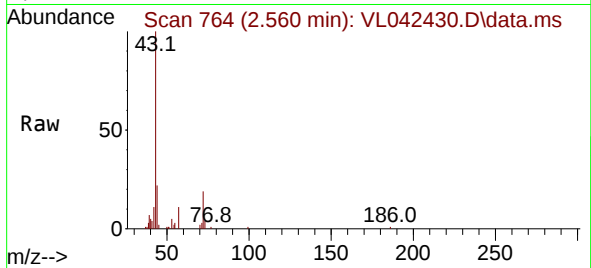
Tgt Ion:114 Resp: 338945
Ion Ratio Lower Upper
114 100
63 28.6 21.8 32.6
88 19.3 15.5 23.3





#34
2-Butanone
Concen: 0.318 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

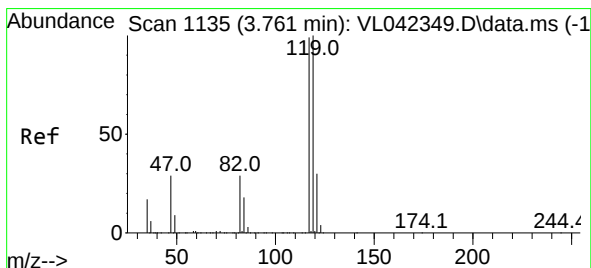
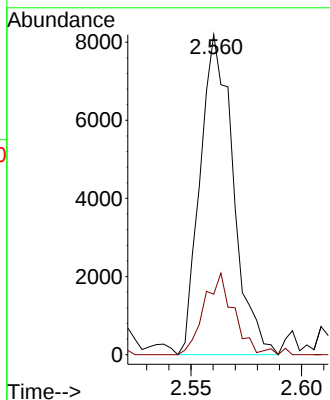
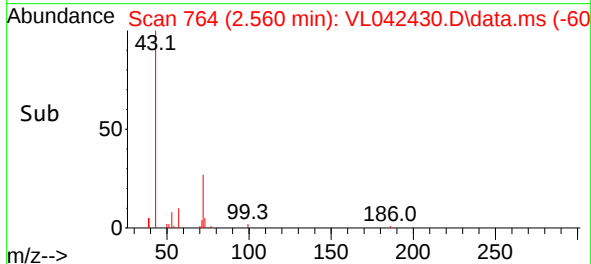
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422DUP



Tgt Ion: 43 Resp: 8520
Ion Ratio Lower Upper
43 100
72 23.4 18.2 27.2

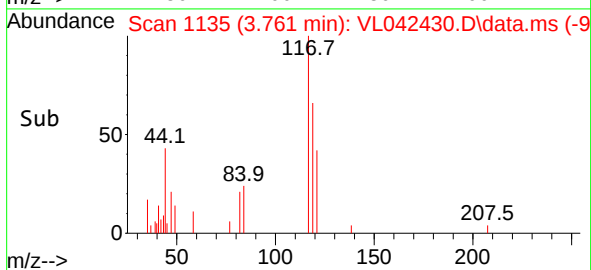
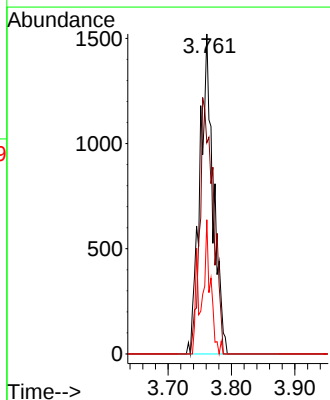
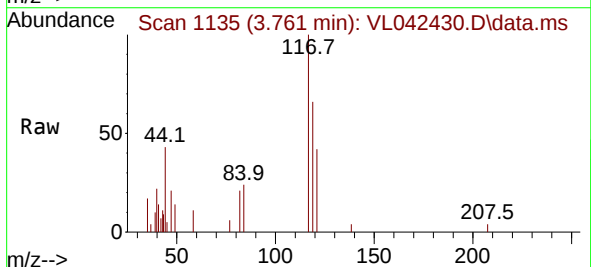
Manual Integrations
APPROVED

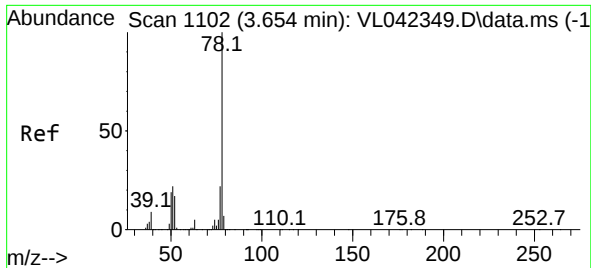
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

Tgt Ion:117 Resp: 2204
Ion Ratio Lower Upper
117 100
119 66.0 80.5 120.7#
121 41.9 24.2 36.2#





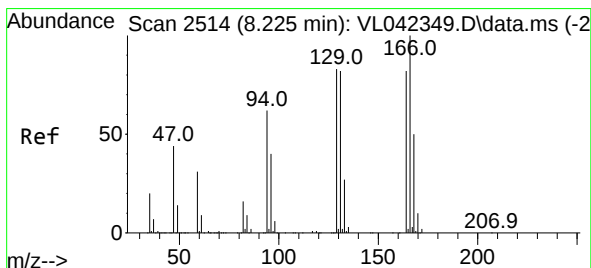
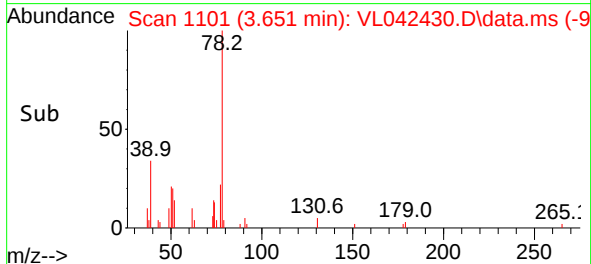
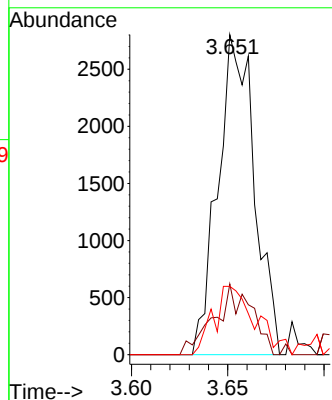
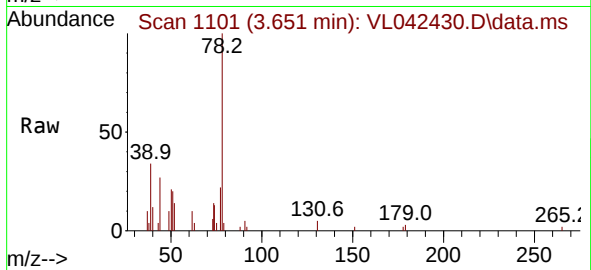
#36
Benzene
Concen: 0.101 ppbv m
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

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

Tgt Ion: 78 Resp: 370
Ion Ratio Lower Upper
78 100
77 22.1 17.4 26.0
50 21.3 15.5 23.3

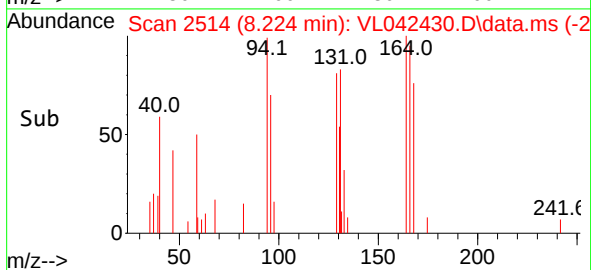
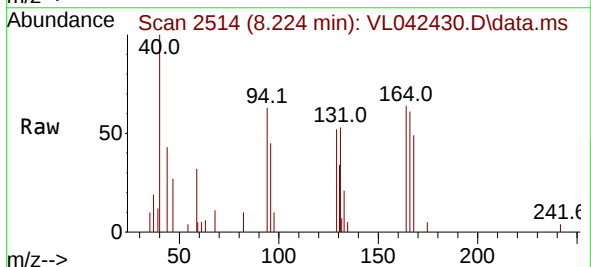
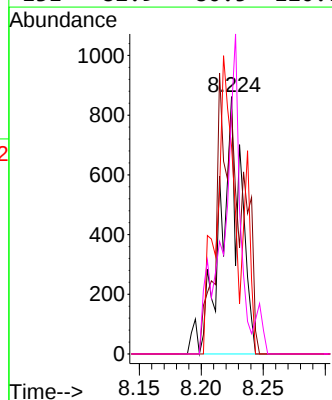
Manual Integrations
APPROVED

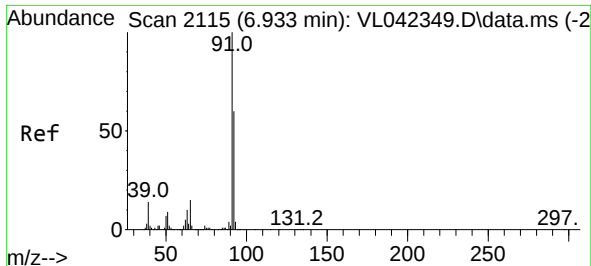
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Tetrachloroethene
Concen: 0.070 ppbv m
RT: 8.224 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

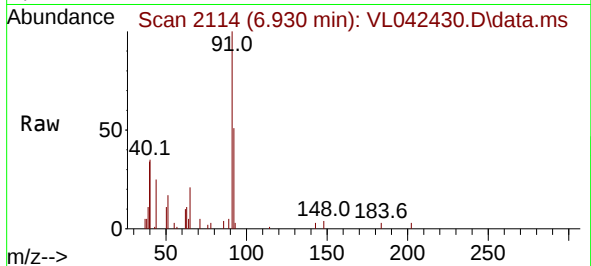
Tgt Ion:164 Resp: 989
Ion Ratio Lower Upper
164 100
166 95.1 98.2 147.2#
129 80.7 81.8 122.8#
131 82.9 80.5 120.7





#53
Toluene
Concen: 0.161 ppbv m
RT: 6.930 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

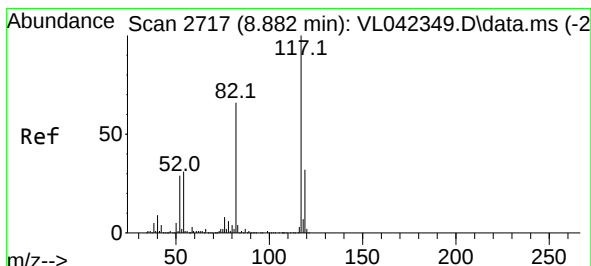
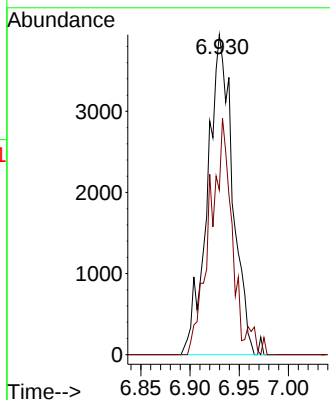
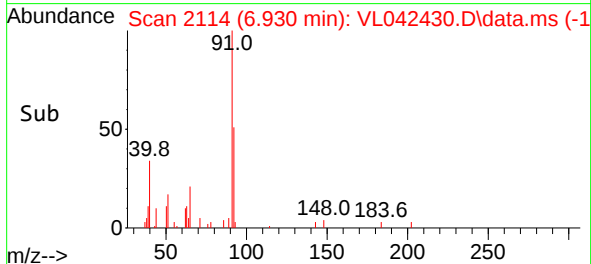
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA01-20250422DUP



Tgt Ion: 91 Resp: 7050
Ion Ratio Lower Upper
91 100
92 66.3 48.2 72.4

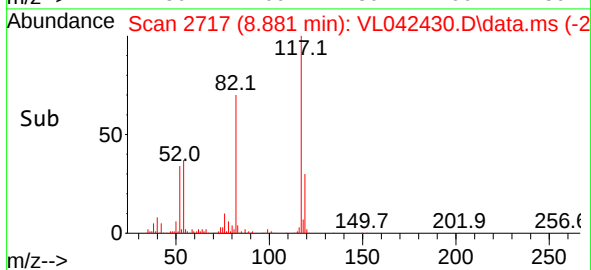
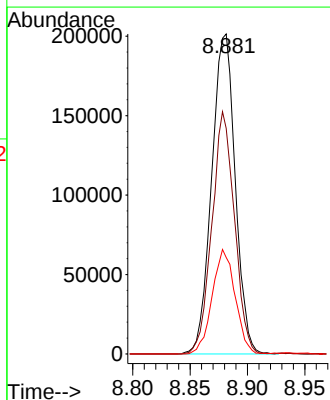
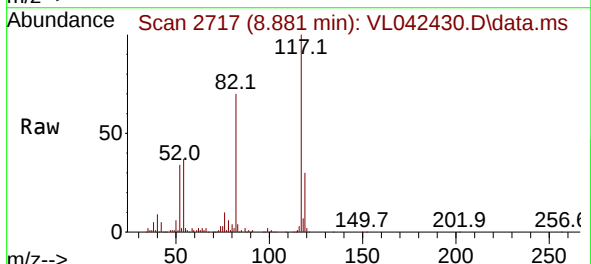
Manual Integrations
APPROVED

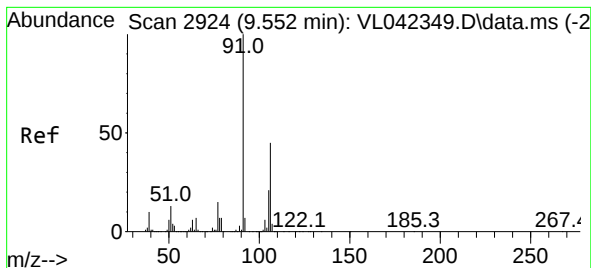
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042430.D
Acq: 28 Apr 2025 17:26

Tgt Ion:117 Resp: 287606
Ion Ratio Lower Upper
117 100
82 72.5 57.8 86.6
119 31.9 25.2 37.8





#59

m/p-Xylene

Concen: 0.148 ppbv m

RT: 9.532 min Scan# 2918

Delta R.T. -0.020 min

Lab File: VL042430.D

Acq: 28 Apr 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

EBR-P16-SC-AA01-20250422DUP

Tgt Ion: 91 Resp: 678

Ion Ratio Lower Upper

91 100

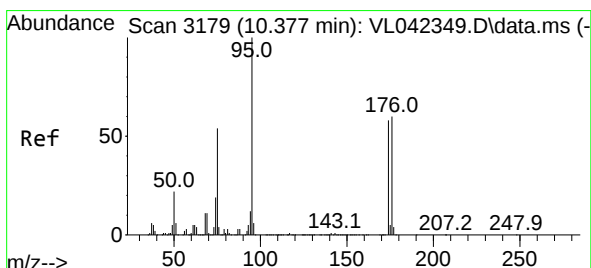
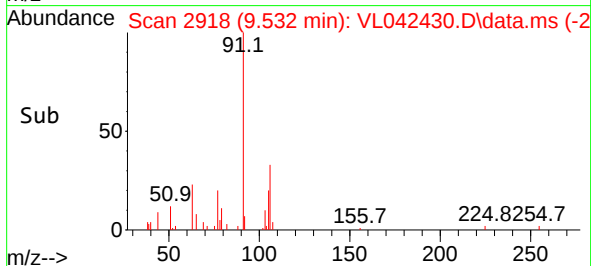
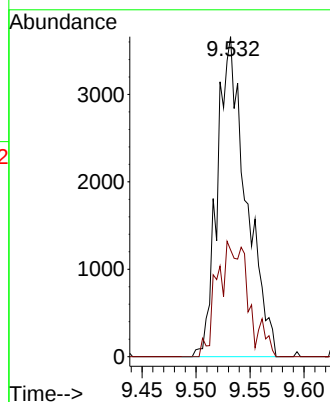
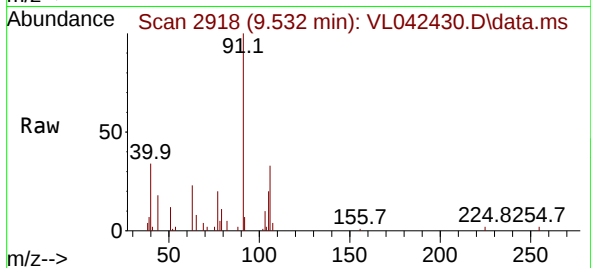
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.731 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042430.D

Acq: 28 Apr 2025 17:26

Tgt Ion: 95 Resp: 253604

Ion Ratio Lower Upper

95 100

174 51.7 48.5 72.7

175 3.8 3.7 5.5

