

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042449.D
 Acq On : 29 Apr 2025 16:32
 Operator : SY/MD
 Sample : Q1880-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P02-SC-SS01-20250423

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 01:22:50 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

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

Internal Standards						
1) Bromochloromethane	2.793	49	124520	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	329514	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	273576	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	247059	10.990	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	10375	0.472	ppbv	99
3) Chlorodifluoromethane	1.479	51	4645m	0.222	ppbv	
4) Chloromethane	1.534	50	4212	0.484	ppbv	93
9) Propene	1.489	41	4143	0.434	ppbv #	15
11) Trichlorofluoromethane	1.881	101	6624	0.317	ppbv	100
13) Ethanol	1.725	45	203780	134.382	ppbv	74
15) Acetone	1.842	43	137336	6.737	ppbv	90
19) Isopropyl Alcohol	1.890	45	29711	2.624	ppbv #	4
20) Methylene Chloride	2.068	84	3425	0.429	ppbv #	83
26) Hexane	2.832	57	2821m	0.139	ppbv	
30) Cyclohexane	3.865	84	15002	0.912	ppbv	98
34) 2-Butanone	2.567	43	9322	0.358	ppbv	96
35) Carbon Tetrachloride	3.774	117	1720m	0.058	ppbv	
53) Toluene	6.949	91	20852m	0.489	ppbv	

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

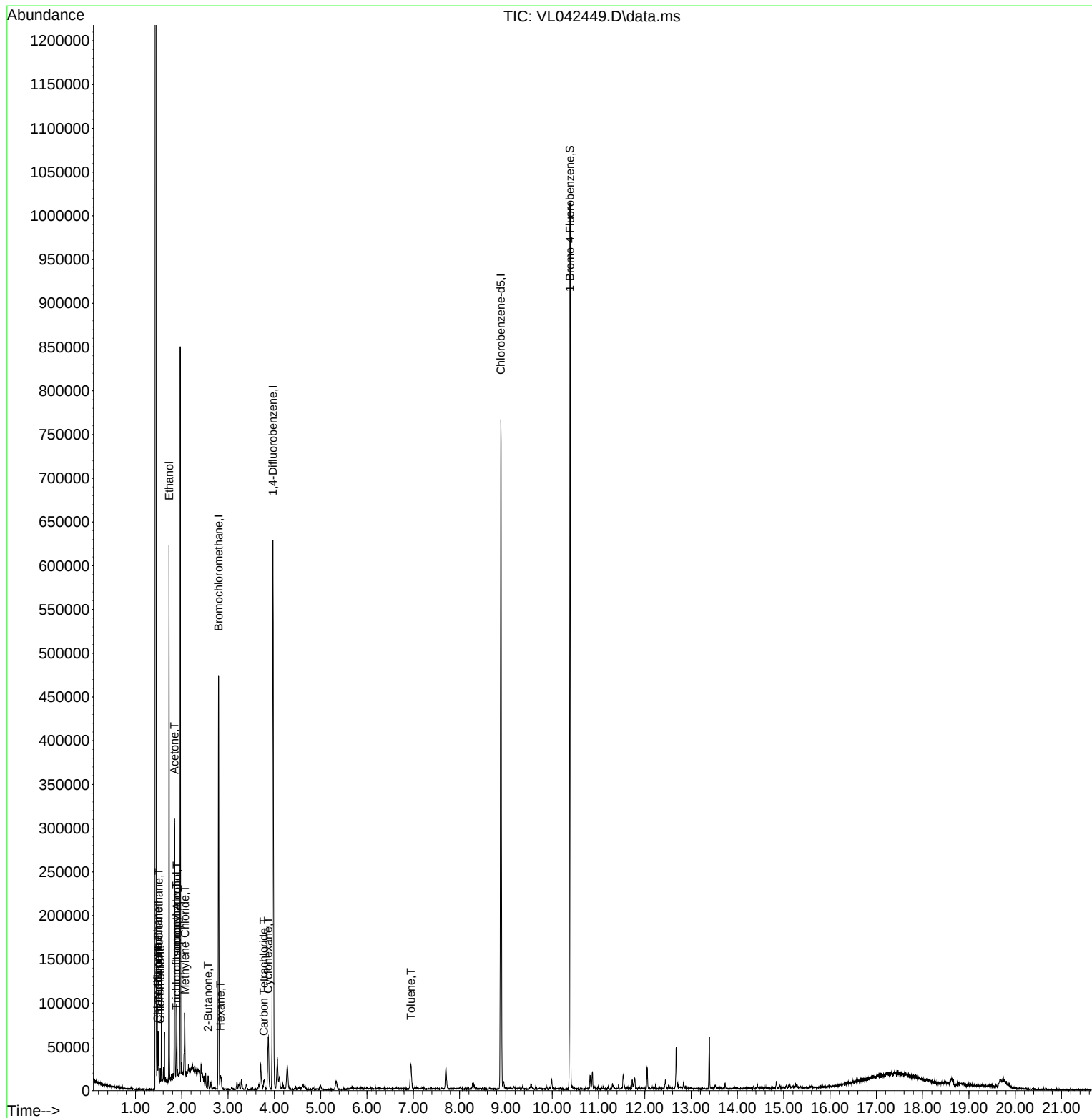
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042449.D
Acq On : 29 Apr 2025 16:32
Operator : SY/MD
Sample : Q1880-11
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

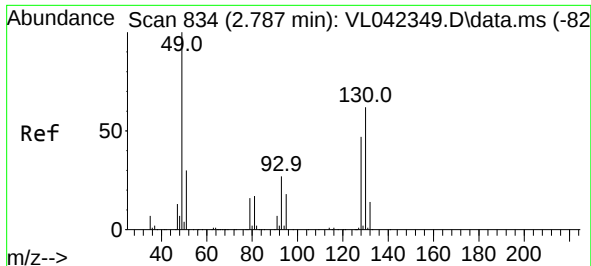
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Quant Time: Apr 30 01:22:50 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

Manual Integrations
APPROVED

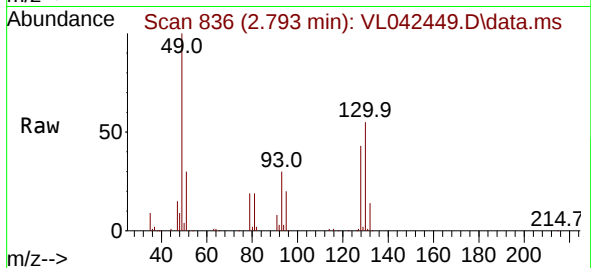
Reviewed By : Semsettin Yesilyurt 04/30/2025
Supervised By : Mahesh Dadoda 04/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

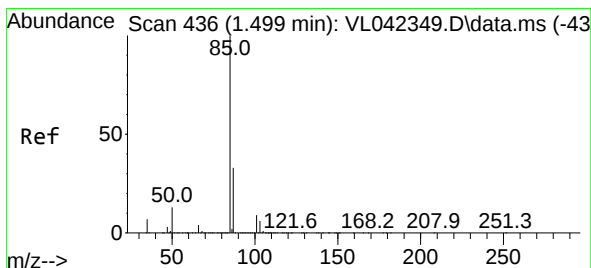
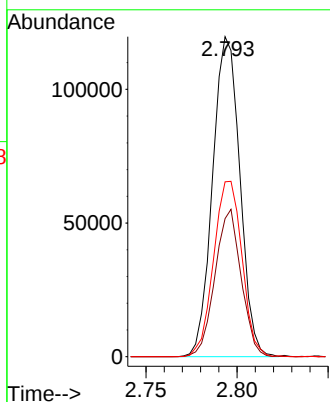
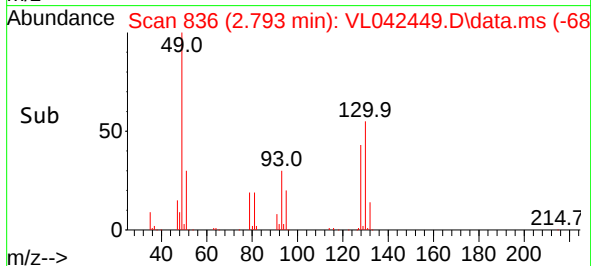
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423



Tgt Ion: 49 Resp: 124520
Ion Ratio Lower Upper
49 100
128 44.2 22.8 68.4
130 57.1 29.3 88.0

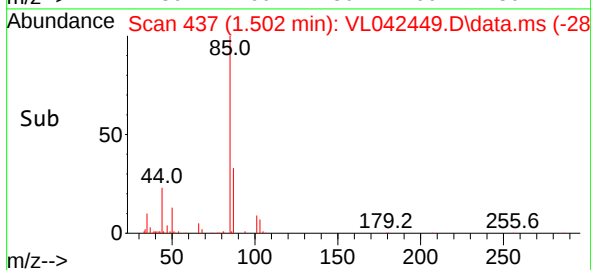
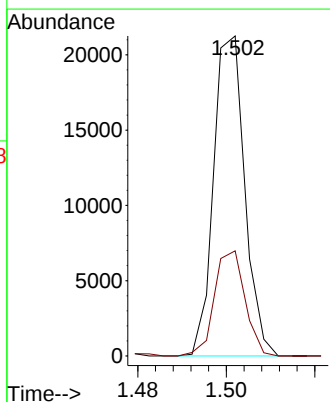
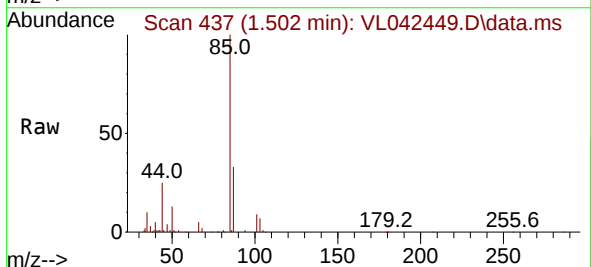
Manual Integrations
APPROVED

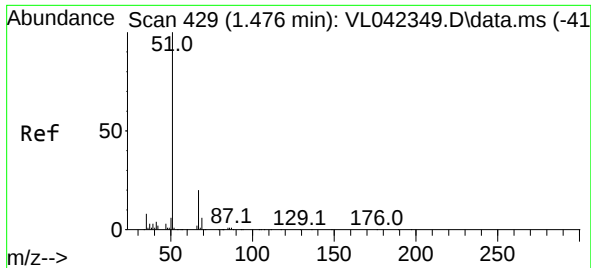
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.472 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

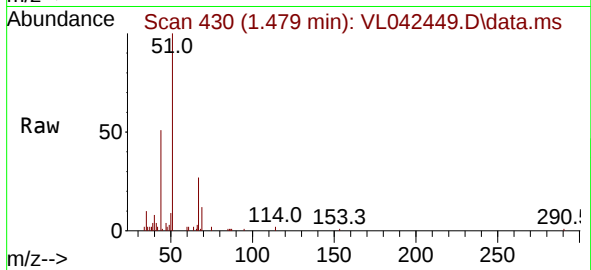
Tgt Ion: 85 Resp: 10375
Ion Ratio Lower Upper
85 100
87 32.9 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.222 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

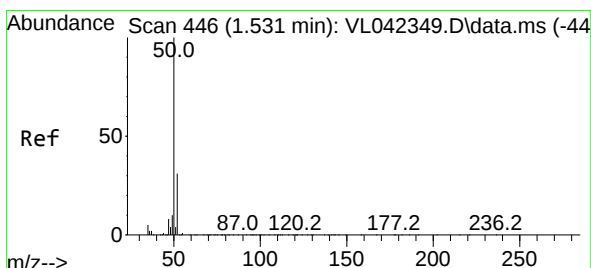
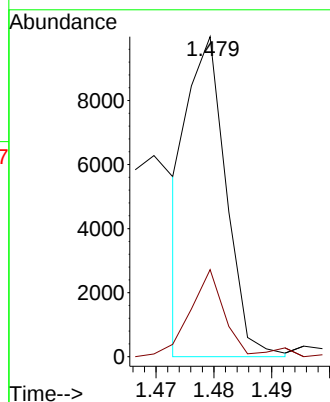
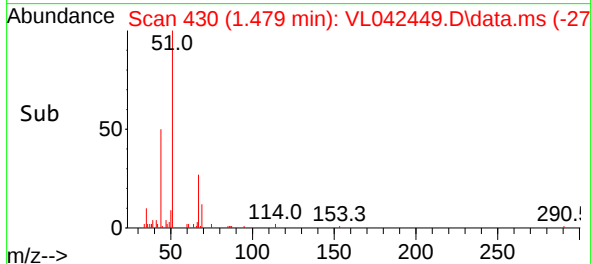
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423



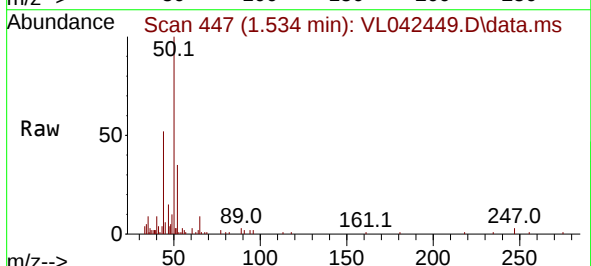
Tgt Ion: 51 Resp: 464
Ion Ratio Lower Upper
51 100
67 25.9 16.2 24.4

Manual Integrations
APPROVED

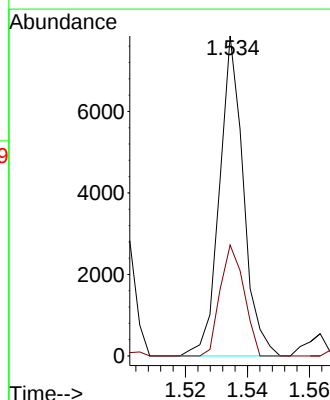
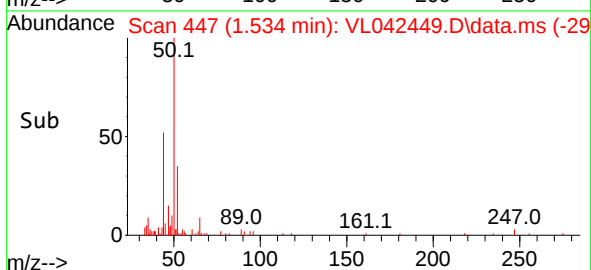
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

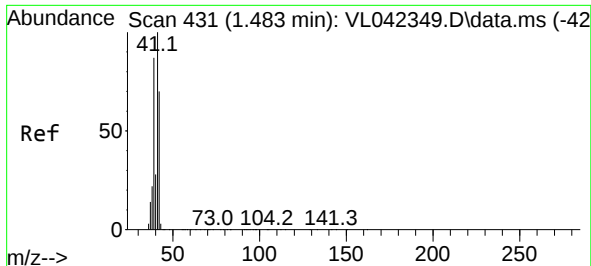


#4
Chloromethane
Concen: 0.484 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32



Tgt Ion: 50 Resp: 4212
Ion Ratio Lower Upper
50 100
52 34.6 24.7 37.1





#9

Propene

Concen: 0.434 ppbv

RT: 1.489 min Scan# 411

Delta R.T. 0.006 min

Lab File: VL042449.D

Acq: 29 Apr 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

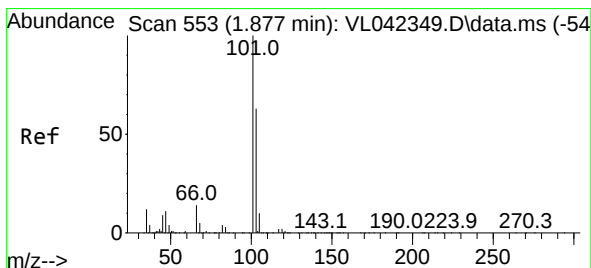
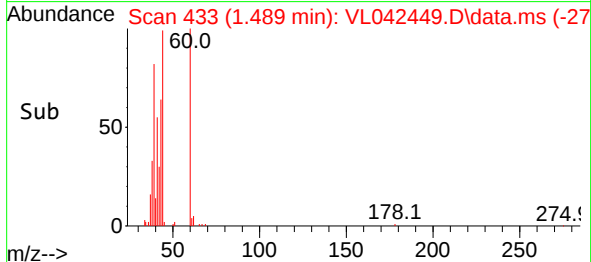
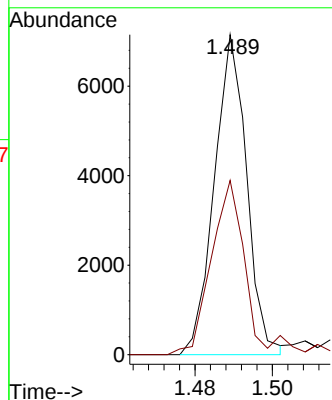
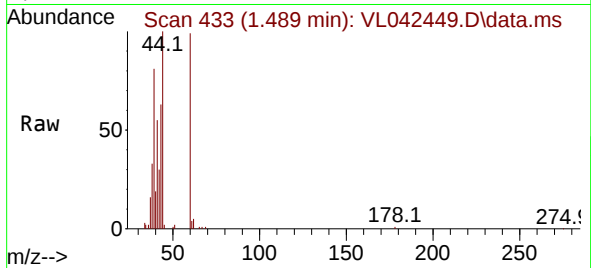
EBR-P02-SC-SS01-20250423

Tgt Ion: 41 Resp: 414
 Ion Ratio Lower Upper
 41 100
 42 0.0 56.2 84.4

Manual Integrations

APPROVED

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



#11

Trichlorofluoromethane

Concen: 0.317 ppbv

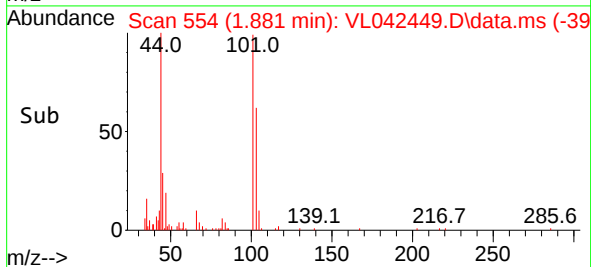
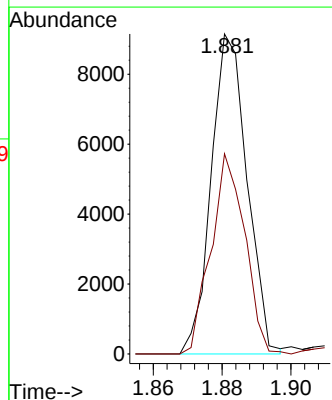
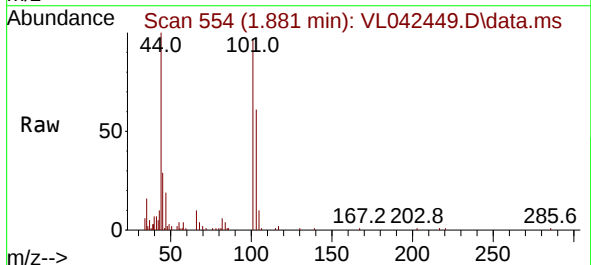
RT: 1.881 min Scan# 554

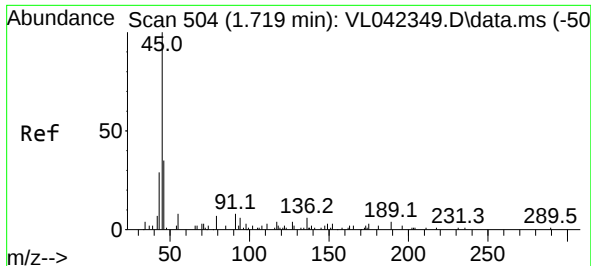
Delta R.T. 0.003 min

Lab File: VL042449.D

Acq: 29 Apr 2025 16:32

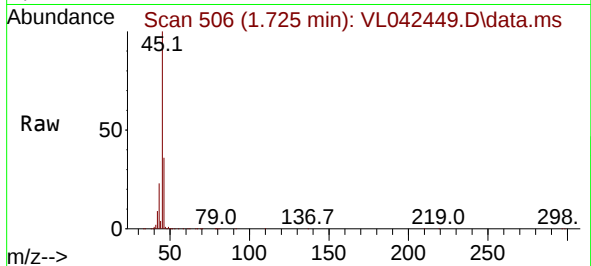
Tgt Ion:101 Resp: 6624
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.1 75.1





#13
Ethanol
Concen: 134.382 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

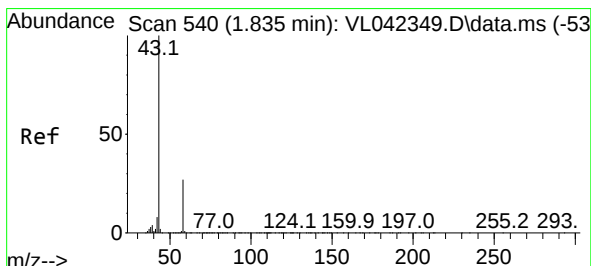
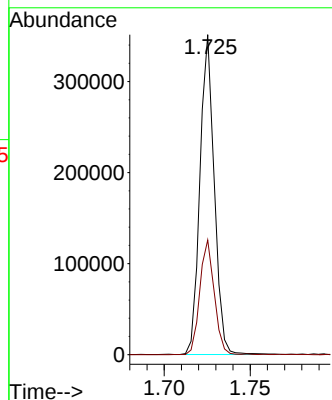
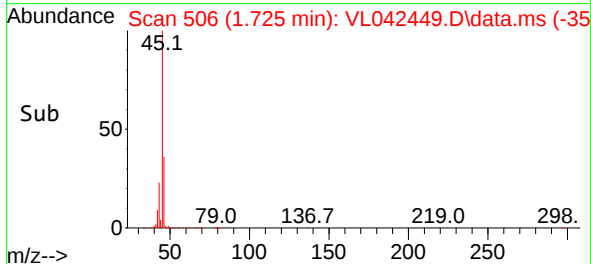
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423



Tgt Ion: 45 Resp: 203780
Ion Ratio Lower Upper
45 100
46 36.3 21.9 87.7

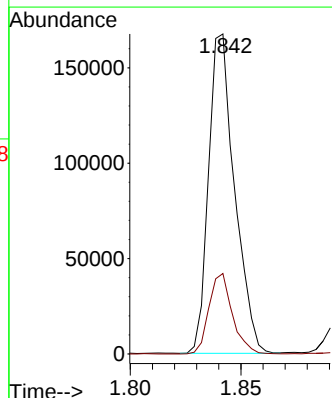
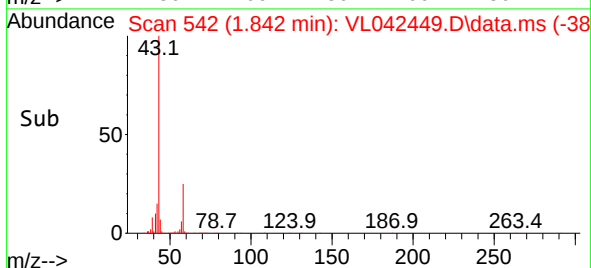
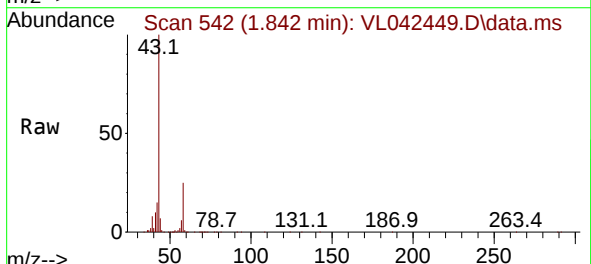
Manual Integrations
APPROVED

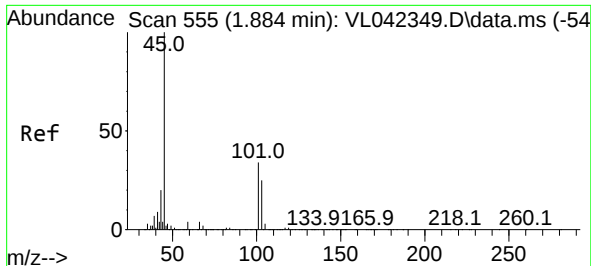
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#15
Acetone
Concen: 6.737 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

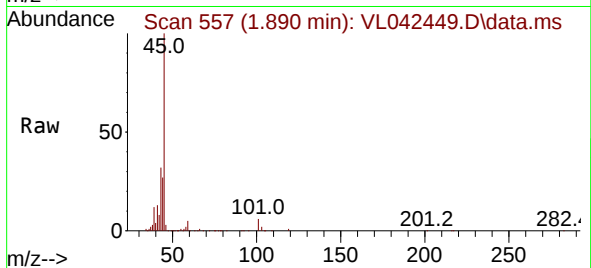
Tgt Ion: 43 Resp: 137336
Ion Ratio Lower Upper
43 100
58 22.6 22.4 33.6





#19
Isopropyl Alcohol
Concen: 2.624 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

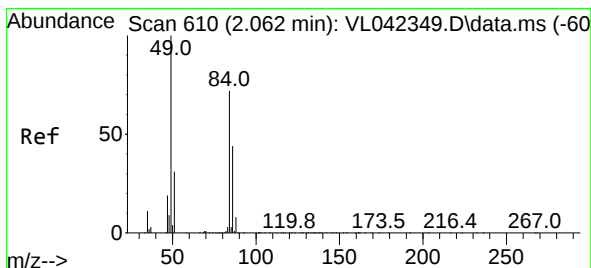
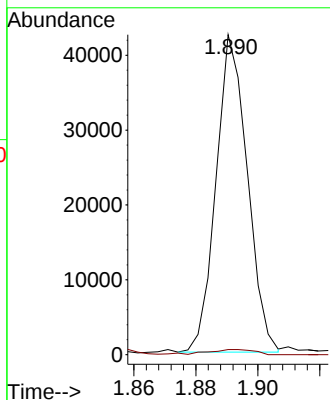
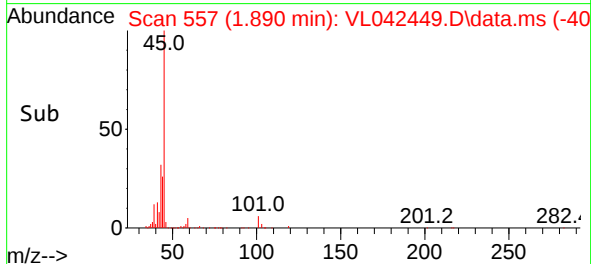
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423



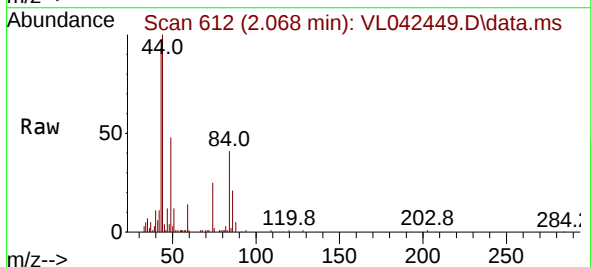
Tgt Ion: 45 Resp: 2971
Ion Ratio Lower Upper
45 100
58 104.8 34.5 51.7

Manual Integrations
APPROVED

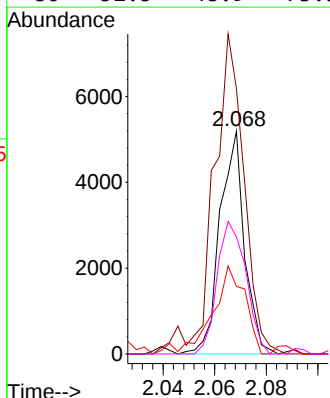
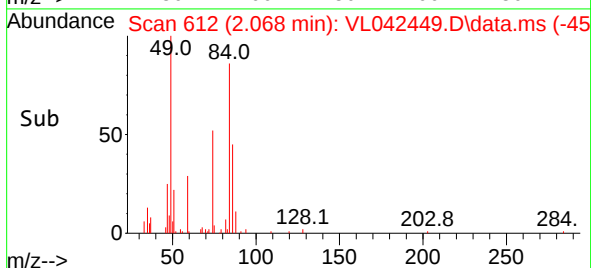
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

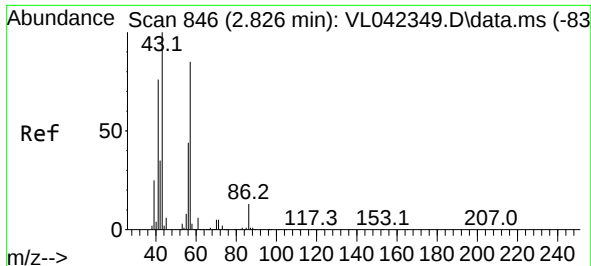


#20
Methylene Chloride
Concen: 0.429 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32



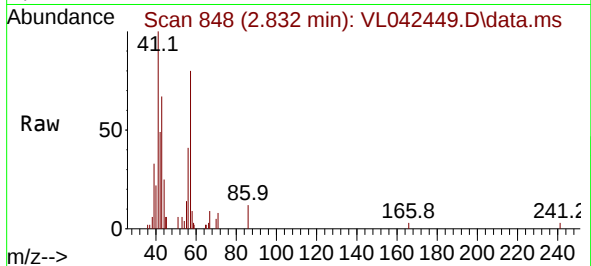
Tgt Ion: 84 Resp: 3425
Ion Ratio Lower Upper
84 100
49 117.1 111.6 167.4
51 29.2 35.1 52.7#
86 52.5 48.9 73.3





#26
Hexane
Concen: 0.139 ppbv m
RT: 2.832 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

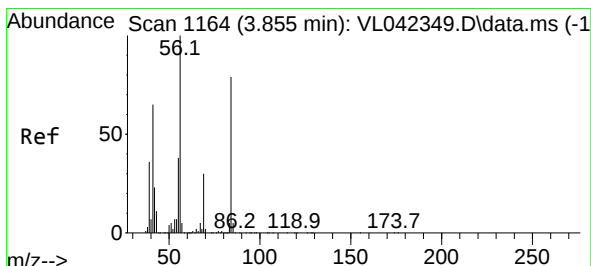
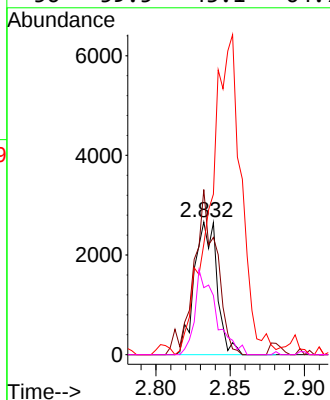
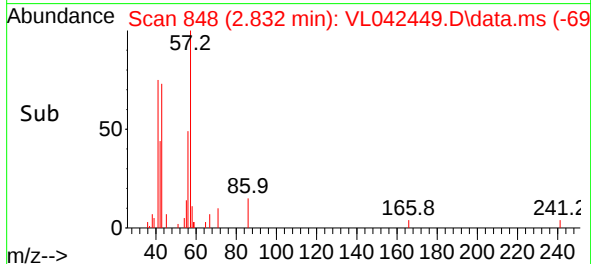
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423



Tgt Ion: 57 Resp: 282
Ion Ratio Lower Upper
57 100
41 123.2 77.9 116.9
43 0.0 208.4 312.6
56 59.5 43.1 64.7

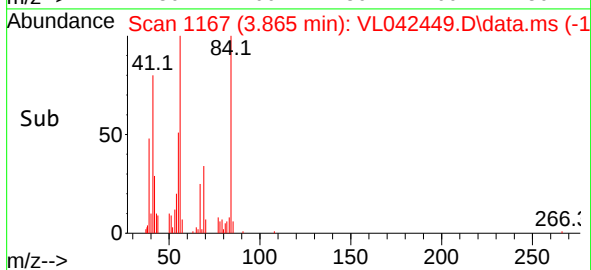
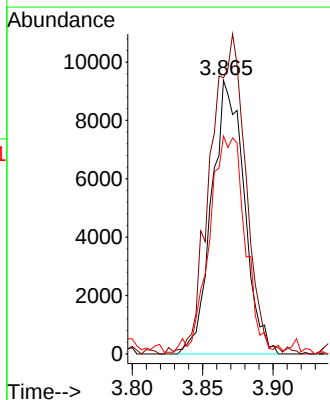
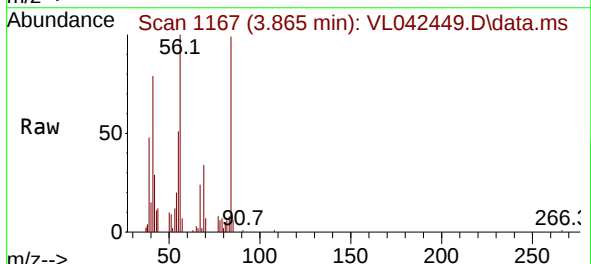
Manual Integrations
APPROVED

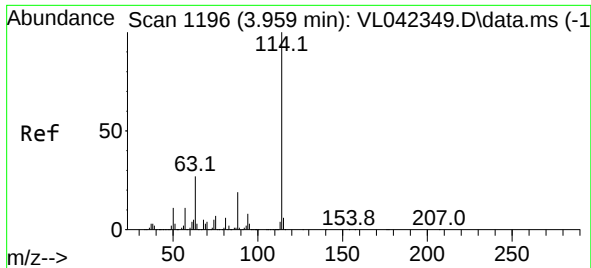
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#30
Cyclohexane
Concen: 0.912 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

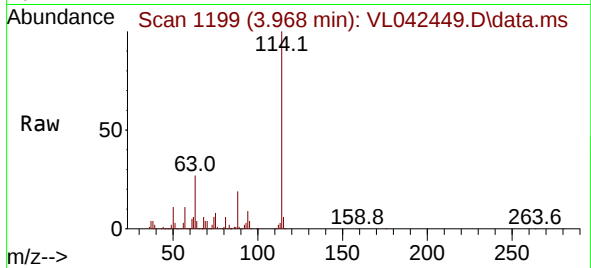
Tgt Ion: 84 Resp: 15002
Ion Ratio Lower Upper
84 100
56 127.8 101.0 151.4
41 86.9 67.4 101.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

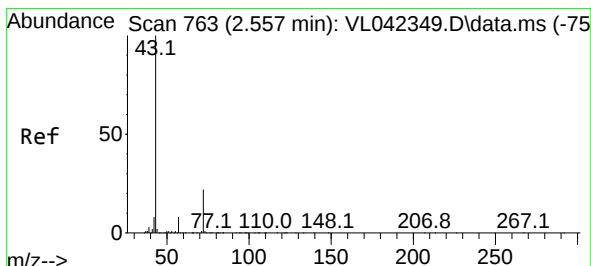
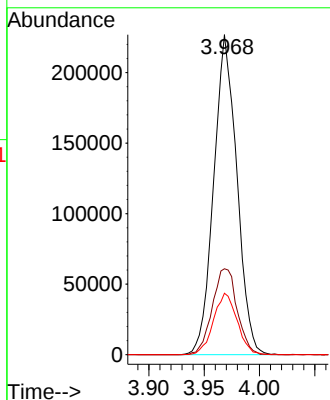
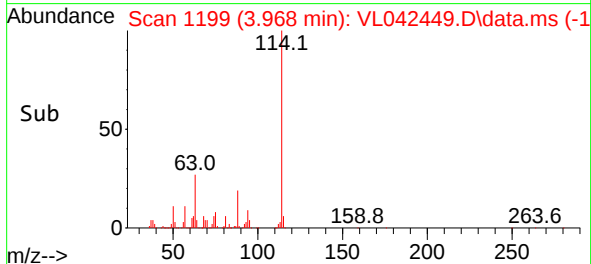
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423



Tgt Ion:114 Resp: 329514
Ion Ratio Lower Upper
114 100
63 29.0 21.8 32.6
88 19.7 15.5 23.3

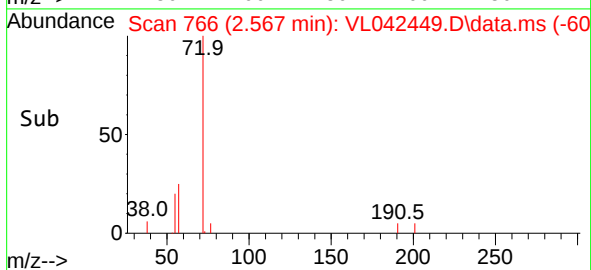
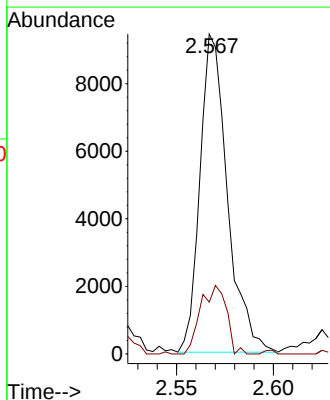
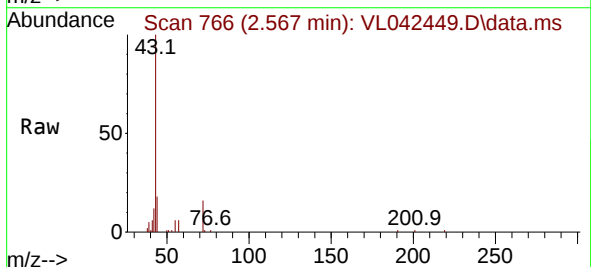
Manual Integrations
APPROVED

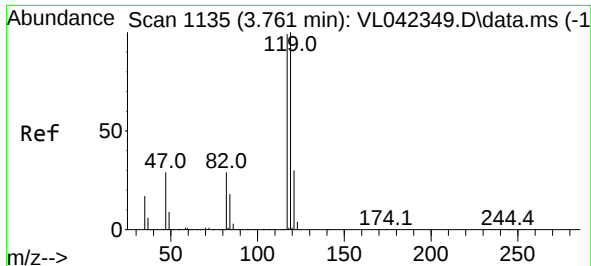
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#34
2-Butanone
Concen: 0.358 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

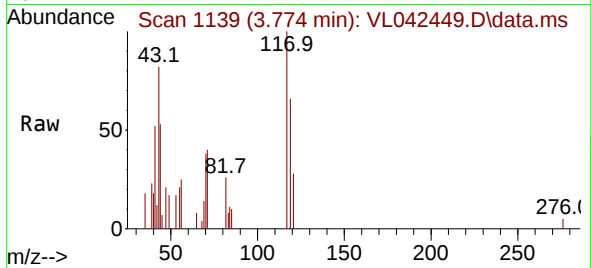
Tgt Ion: 43 Resp: 9322
Ion Ratio Lower Upper
43 100
72 20.6 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 3.774 min Scan# 1135
Delta R.T. 0.013 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

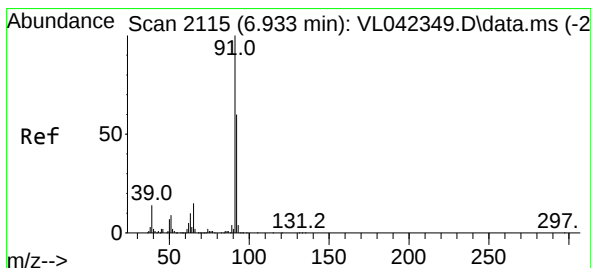
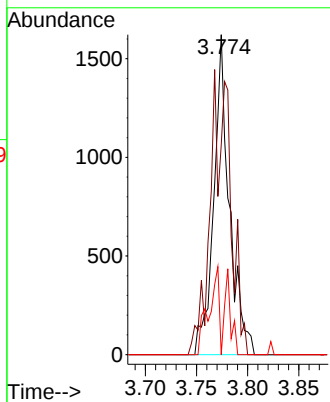
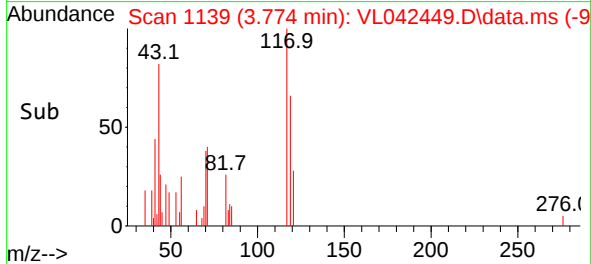
Instrument : MSVOA_L
ClientSampleId : EBR-P02-SC-SS01-20250423



Tgt Ion: 117 Resp: 1720
Ion Ratio Lower Upper
117 100
119 65.5 80.5 120.7
121 0.0 24.2 36.2

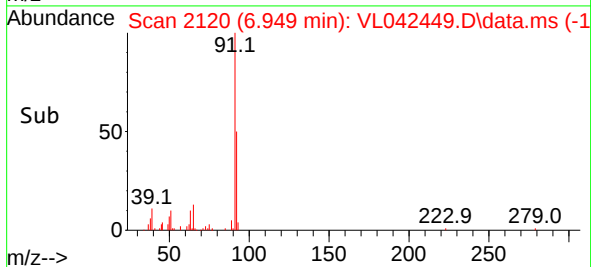
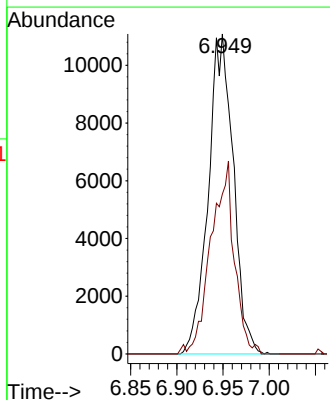
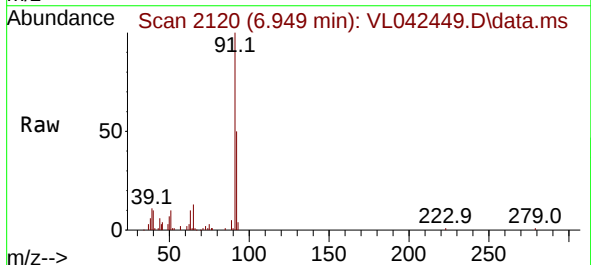
Manual Integrations
APPROVED

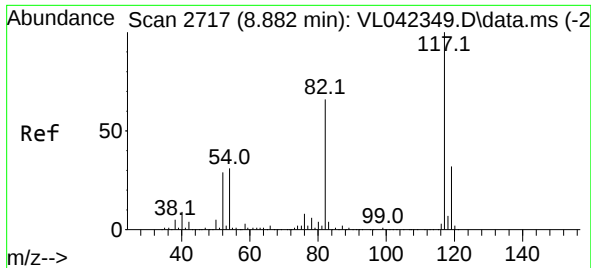
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#53
Toluene
Concen: 0.489 ppbv m
RT: 6.949 min Scan# 2120
Delta R.T. 0.016 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 91 Resp: 20852
Ion Ratio Lower Upper
91 100
92 56.3 48.2 72.4





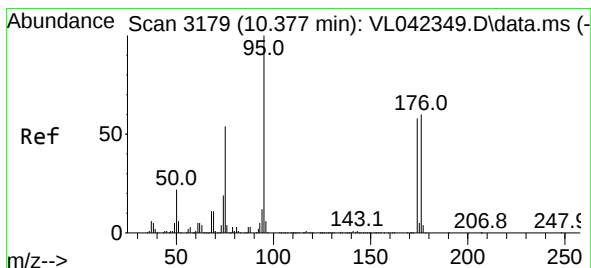
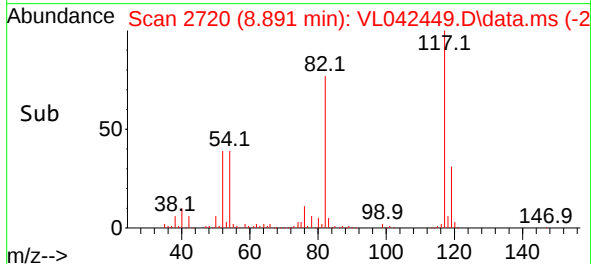
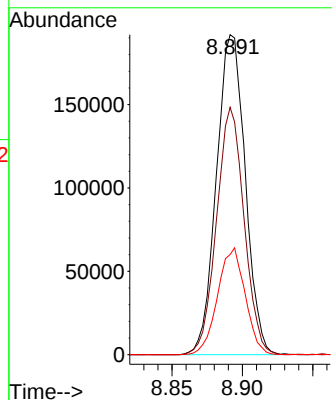
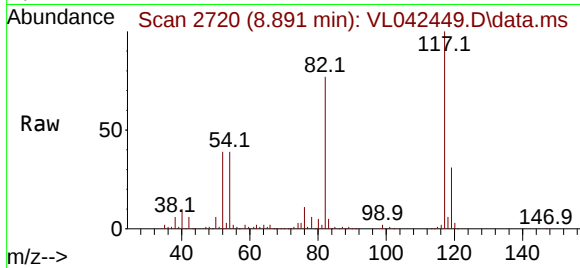
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion:117 Resp: 273570
Ion Ratio Lower Upper
117 100
82 74.0 57.8 86.6
119 32.0 25.2 37.8

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.990 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 95 Resp: 247059
Ion Ratio Lower Upper
95 100
174 51.4 48.5 72.7
175 3.9 3.7 5.5

