

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042447.D
 Acq On : 29 Apr 2025 15:24
 Operator : SY/MD
 Sample : Q1880-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-SC-SS-DUP01-20250421

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 01:21:44 2025

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

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

Response via : Initial Calibration

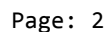
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

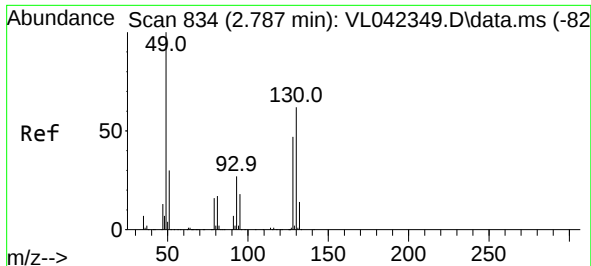
Internal Standards						
1) Bromochloromethane	2.797	49	115955	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	311045	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	264660	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	244219	11.229	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	10985	0.536	ppbv	89
3) Chlorodifluoromethane	1.476	51	4048m	0.207	ppbv	
9) Propene	1.486	41	3214	0.362	ppbv	88
11) Trichlorofluoromethane	1.884	101	4775m	0.245	ppbv	
13) Ethanol	1.725	45	55964	39.631	ppbv	76
15) Acetone	1.842	43	213041	11.223	ppbv	100
17) tert-Butyl alcohol	2.049	59	12602	0.536	ppbv #	87
20) Methylene Chloride	2.072	84	3817	0.513	ppbv	90
26) Hexane	2.832	57	4823	0.255	ppbv #	37
32) 1,1,1-Trichloroethane	3.379	97	11120	0.369	ppbv	96
34) 2-Butanone	2.570	43	14964	0.608	ppbv	100
35) Carbon Tetrachloride	3.777	117	1703m	0.060	ppbv	
41) Tetrahydrofuran	3.078	42	2988	0.208	ppbv #	82
52) Tetrachloroethene	8.234	164	5799m	0.447	ppbv	
53) Toluene	6.952	91	5416m	0.135	ppbv	
59) m/p-Xylene	9.539	91	8844m	0.209	ppbv	

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

Manual Integrations

Quant Time: Apr 30 01:21:44 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





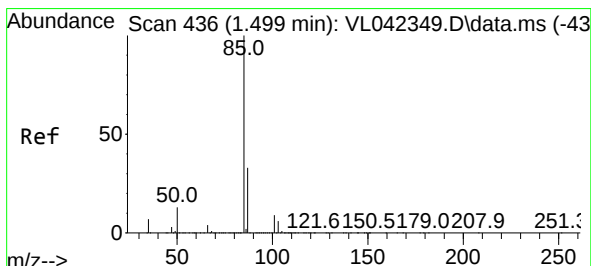
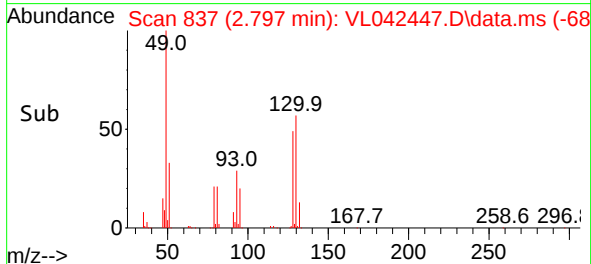
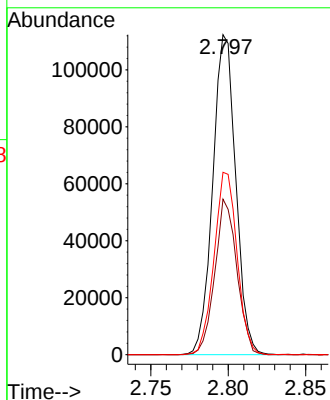
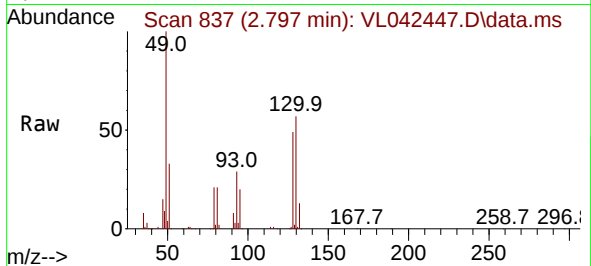
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 49 Resp: 11595
Ion Ratio Lower Upper
49 100
128 46.7 22.8 68.4
130 57.1 29.3 88.0

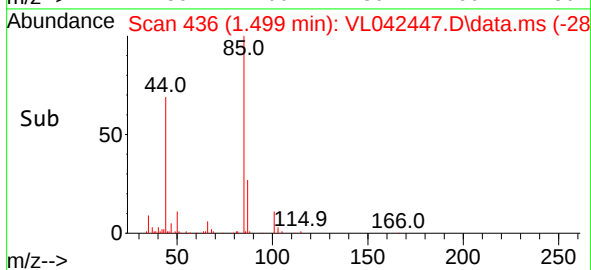
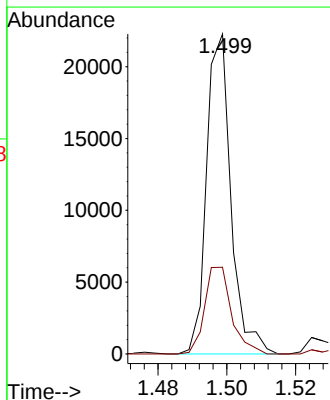
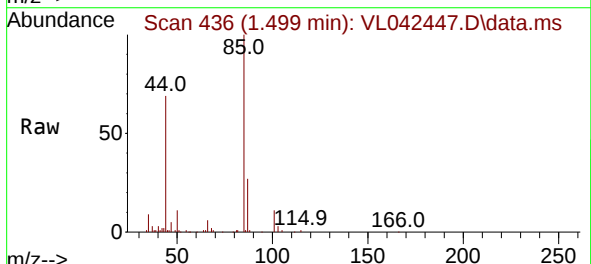
Manual Integrations
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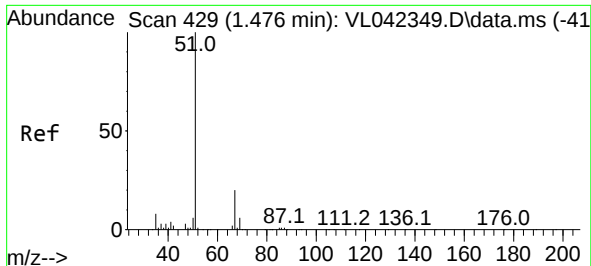
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.536 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

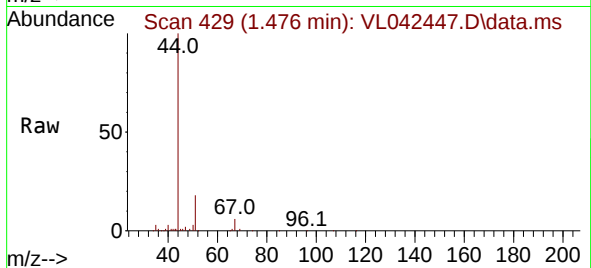
Tgt Ion: 85 Resp: 10985
Ion Ratio Lower Upper
85 100
87 27.1 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.207 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

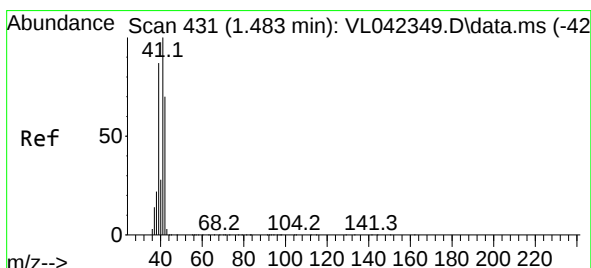
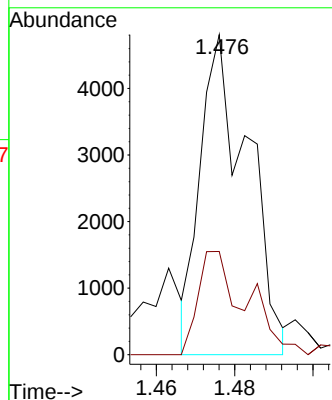
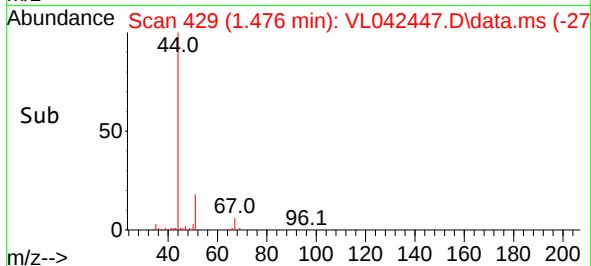
Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421



Tgt Ion: 51 Resp: 4048
Ion Ratio Lower Upper
51 100
67 35.1 16.2 24.4

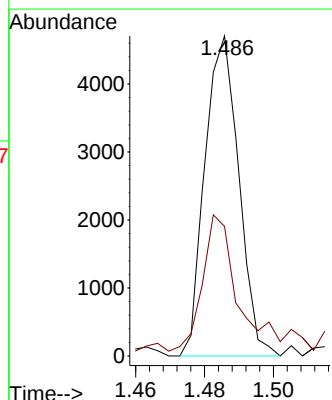
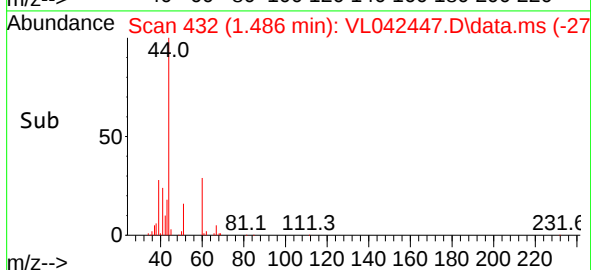
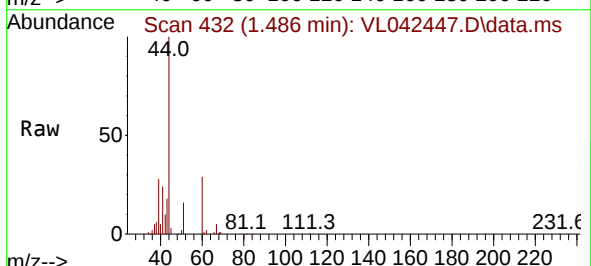
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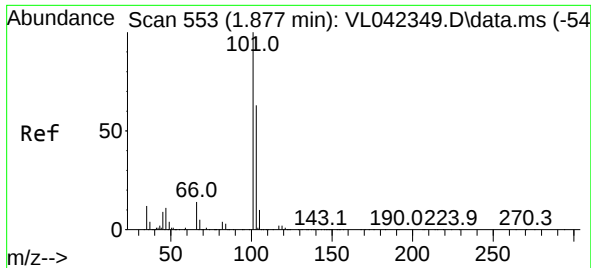
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#9
Propene
Concen: 0.362 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

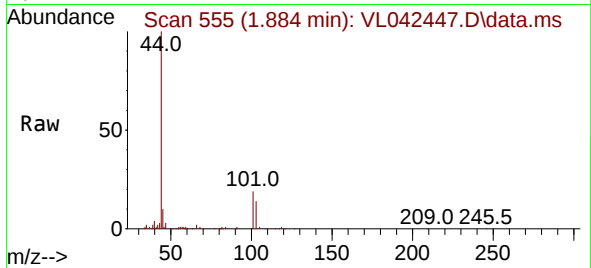
Tgt Ion: 41 Resp: 3214
Ion Ratio Lower Upper
41 100
42 60.1 56.2 84.4





#11
Trichlorofluoromethane
Concen: 0.245 ppbv m
RT: 1.884 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

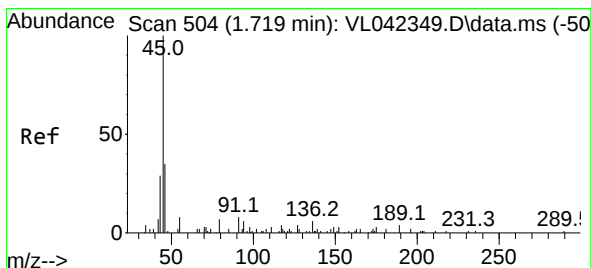
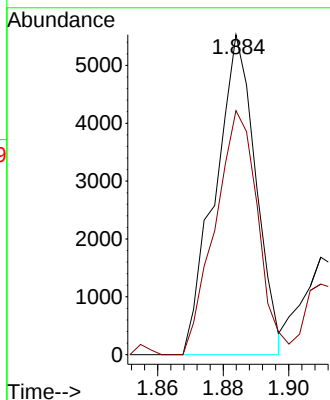
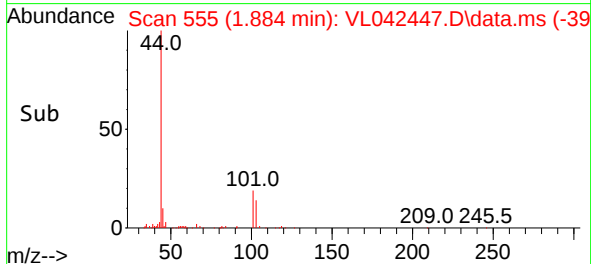
Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421



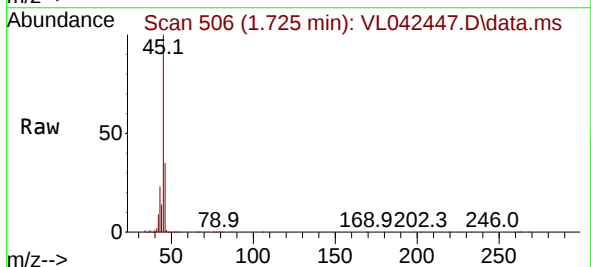
Tgt Ion: 101 Resp: 4775
Ion Ratio Lower Upper
101 100
103 76.3 50.1 75.1

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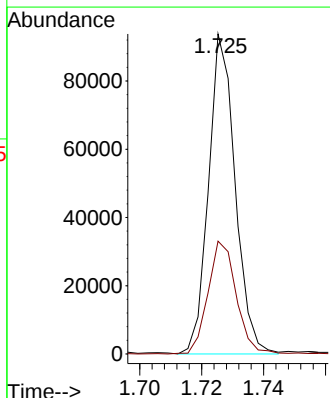
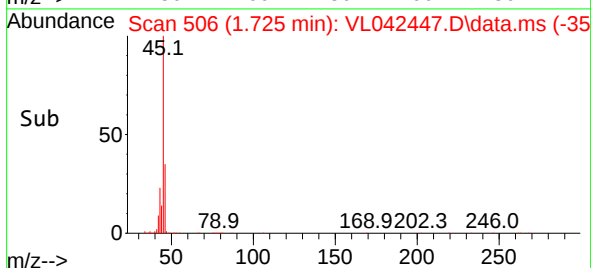
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

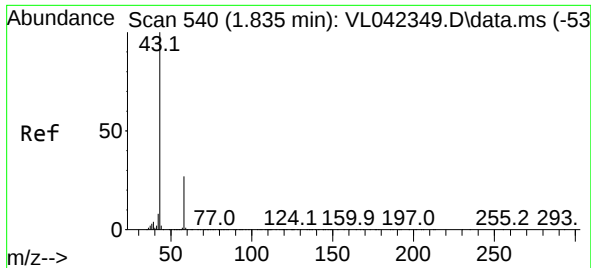


#13
Ethanol
Concen: 39.631 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24



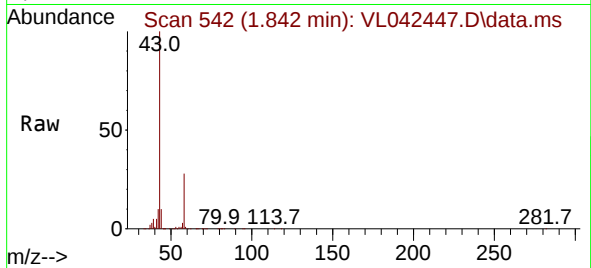
Tgt Ion: 45 Resp: 55964
Ion Ratio Lower Upper
45 100
46 37.7 21.9 87.7





#15
Acetone
Concen: 11.223 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

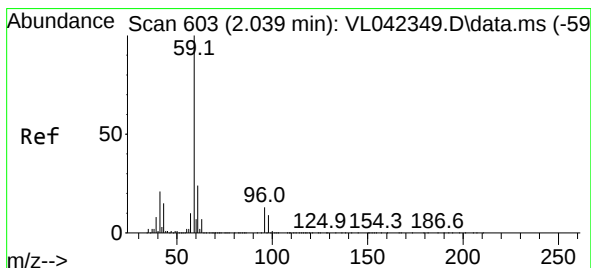
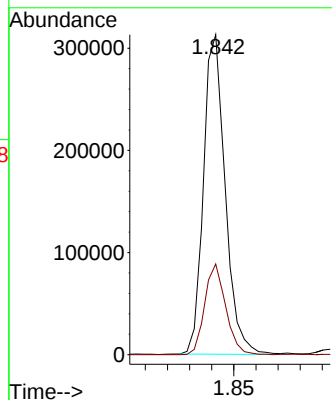
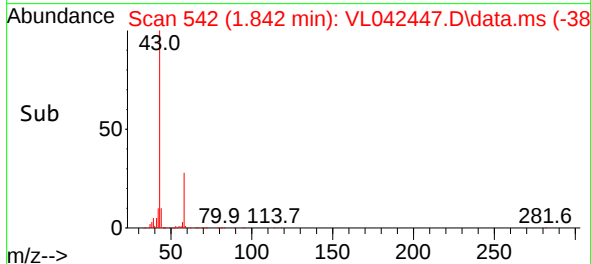
Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421



Tgt Ion: 43 Resp: 21304
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6

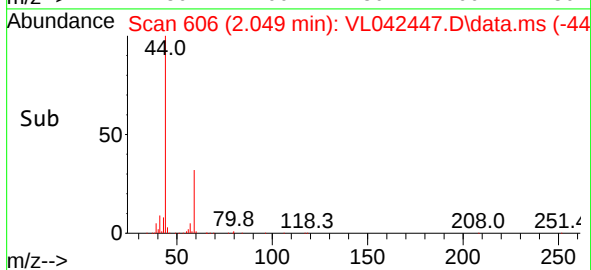
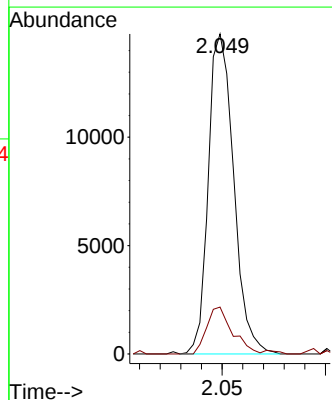
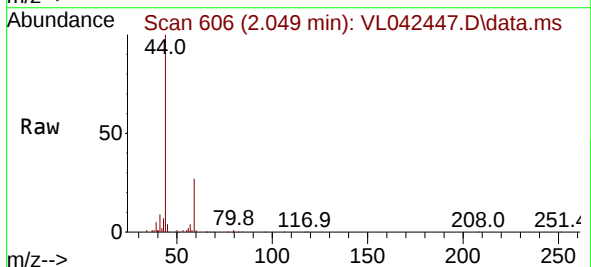
Manual Integrations
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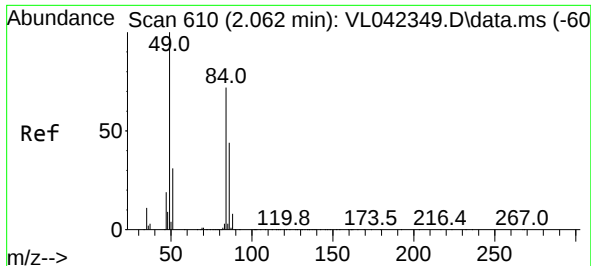
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#17
tert-Butyl alcohol
Concen: 0.536 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

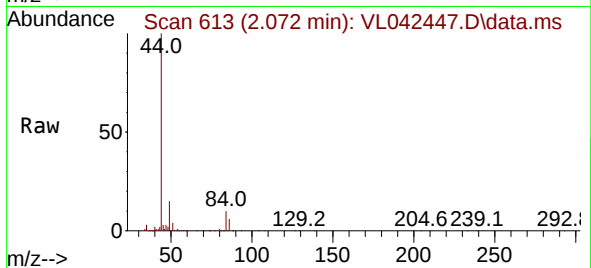
Tgt Ion: 59 Resp: 12602
Ion Ratio Lower Upper
59 100
57 16.0 8.7 13.1#





#20
Methylene Chloride
Concen: 0.513 ppbv
RT: 2.072 min Scan# 610
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

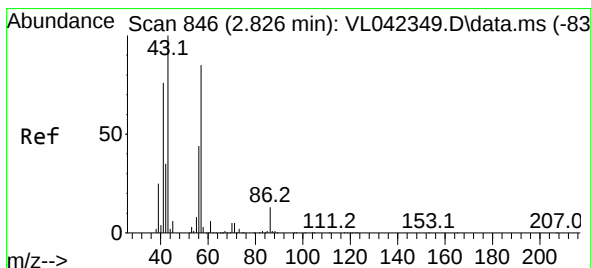
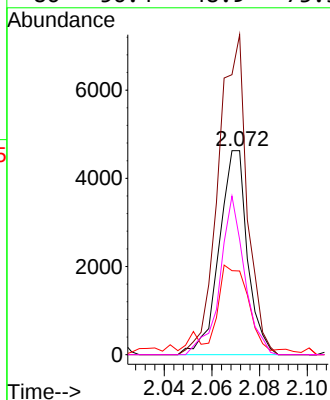
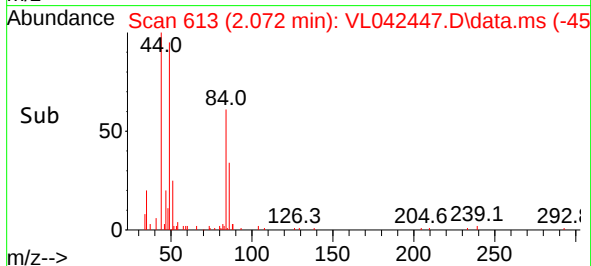
Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421



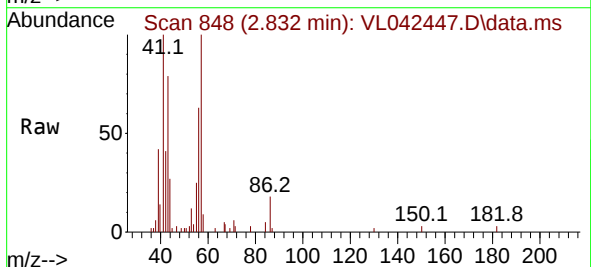
Tgt Ion: 84 Resp: 381
Ion Ratio Lower Upper
84 100
49 156.8 111.6 167.4
51 41.7 35.1 52.7
86 56.4 48.9 73.3

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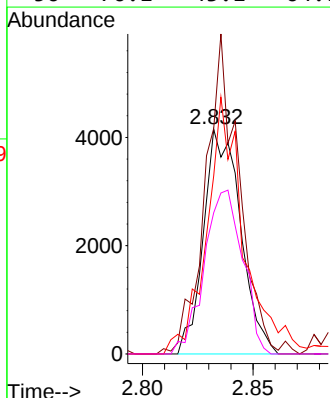
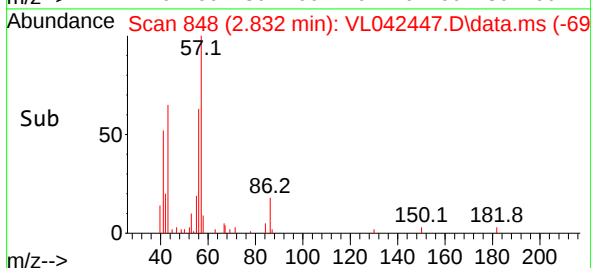
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

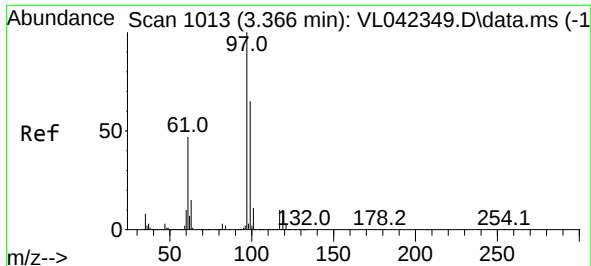


#26
Hexane
Concen: 0.255 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24



Tgt Ion: 57 Resp: 4823
Ion Ratio Lower Upper
57 100
41 129.6 77.9 116.9#
43 116.2 208.4 312.6#
56 76.1 43.1 64.7#





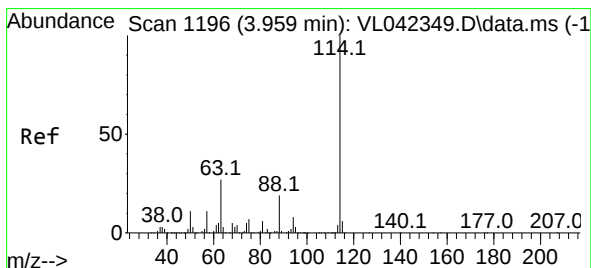
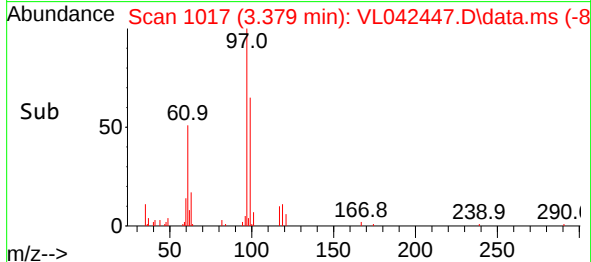
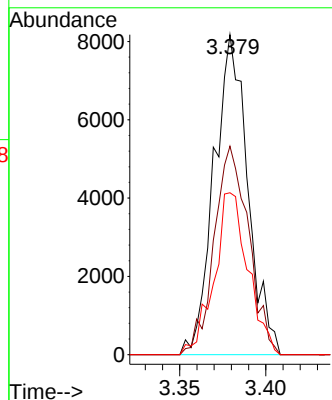
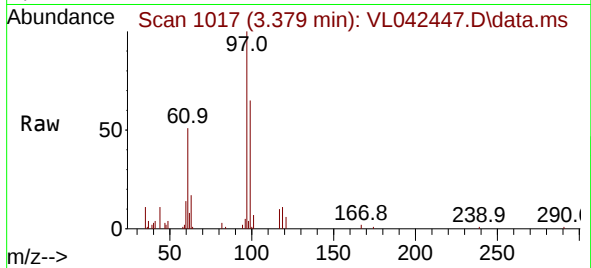
#32
1,1,1-Trichloroethane
Concen: 0.369 ppbv
RT: 3.379 min Scan# 1120
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 97 Resp: 11120
Ion Ratio Lower Upper
97 100
99 66.5 51.0 76.4
61 50.8 38.8 58.2

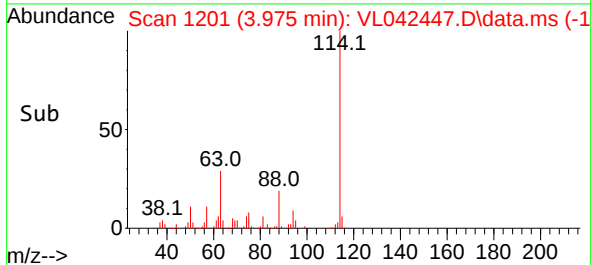
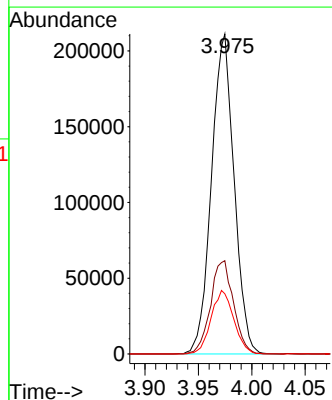
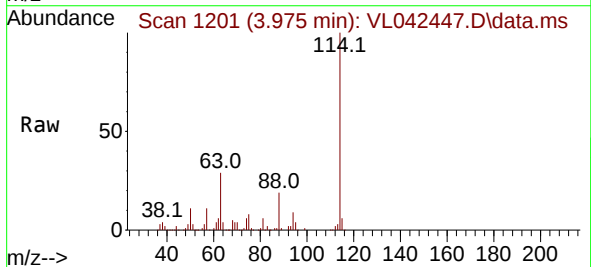
Manual Integrations
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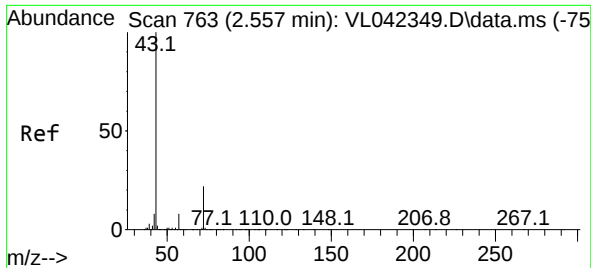
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.016 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

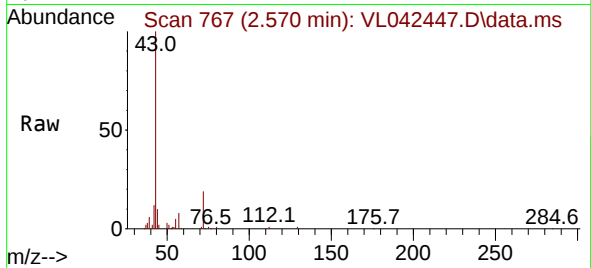
Tgt Ion:114 Resp: 311045
Ion Ratio Lower Upper
114 100
63 29.7 21.8 32.6
88 19.9 15.5 23.3





#34
2-Butanone
Concen: 0.608 ppbv
RT: 2.570 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

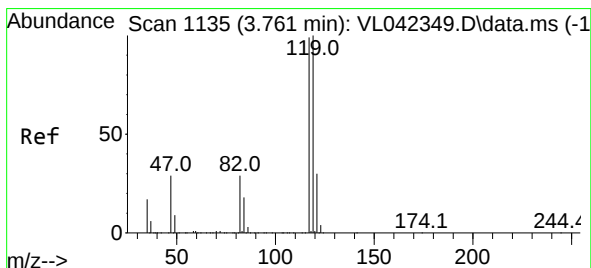
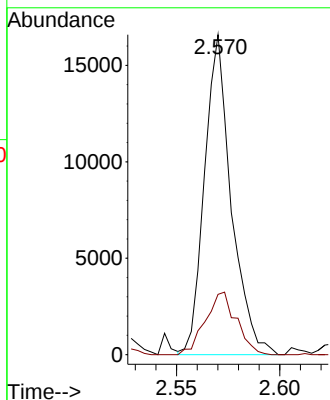
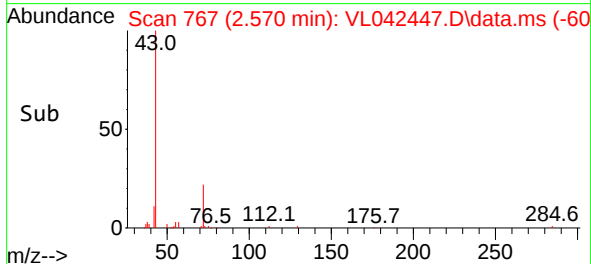
Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421



Tgt Ion: 43 Resp: 1496
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.2

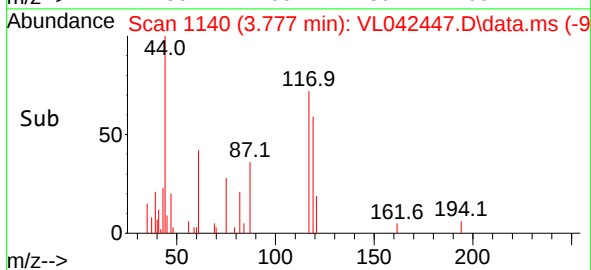
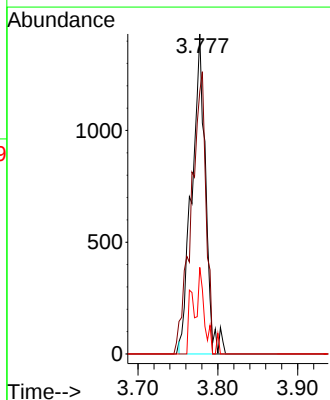
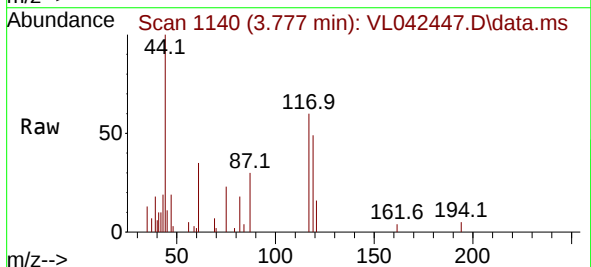
Manual Integrations
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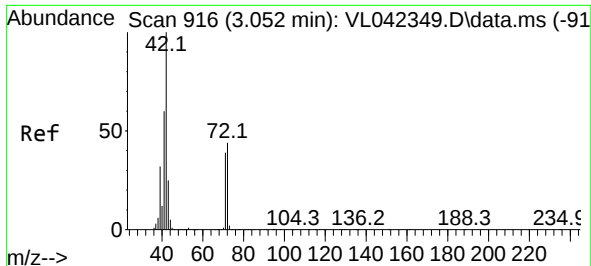
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 3.777 min Scan# 1140
Delta R.T. 0.016 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

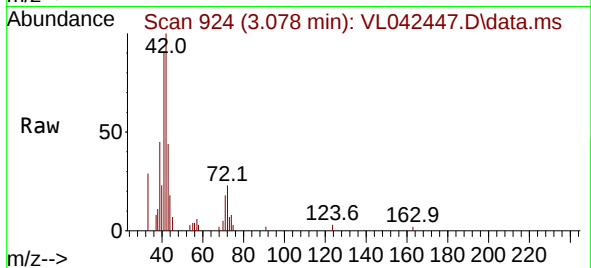
Tgt Ion:117 Resp: 1703
Ion Ratio Lower Upper
117 100
119 82.1 80.5 120.7
121 27.0 24.2 36.2





#41
Tetrahydrofuran
Concen: 0.208 ppbv
RT: 3.078 min Scan# 916
Delta R.T. 0.026 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

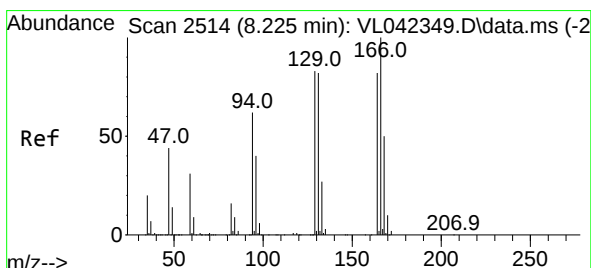
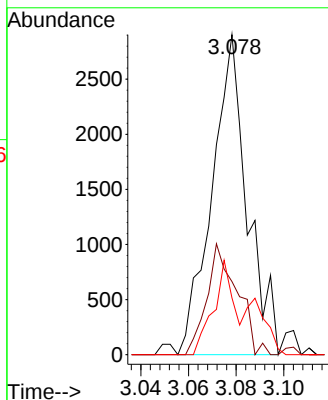
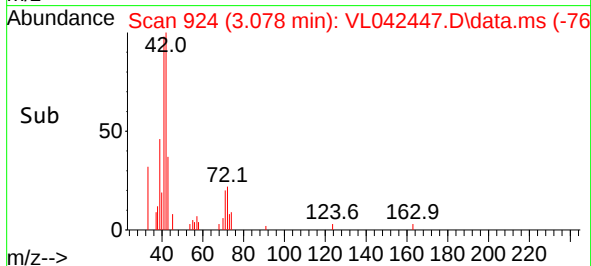
Instrument : MSVOA_L
ClientSampleId : EBR-SC-SS-DUP01-20250421



Tgt Ion: 42 Resp: 2988
Ion Ratio Lower Upper
42 100
72 29.9 32.3 48.5
71 27.1 31.4 47.2

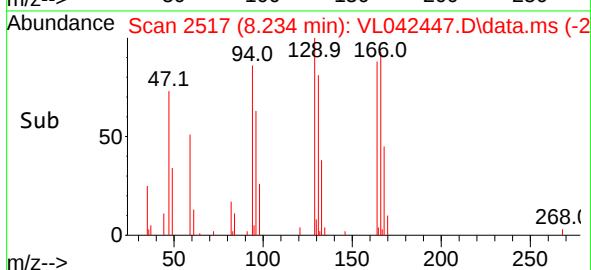
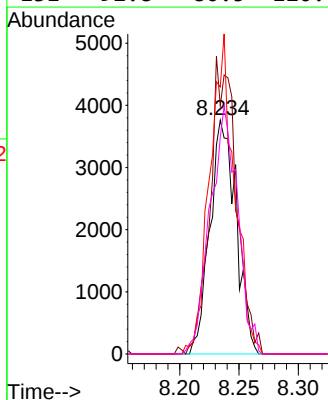
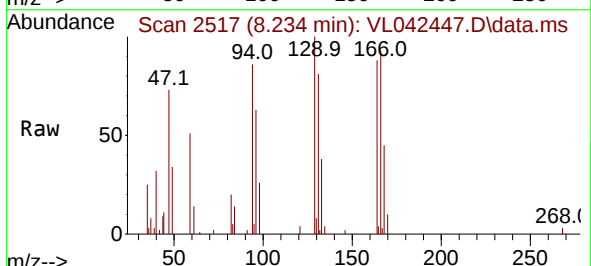
Manual Integrations
APPROVED

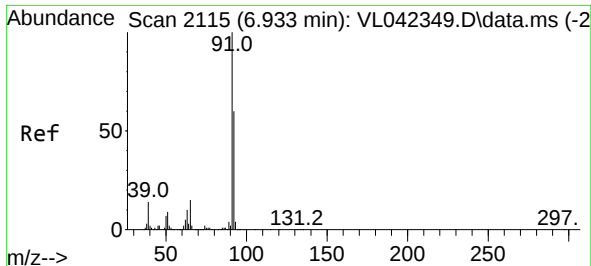
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#52
Tetrachloroethene
Concen: 0.447 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:164 Resp: 5799
Ion Ratio Lower Upper
164 100
166 106.1 98.2 147.2
129 114.2 81.8 122.8
131 92.8 80.5 120.7





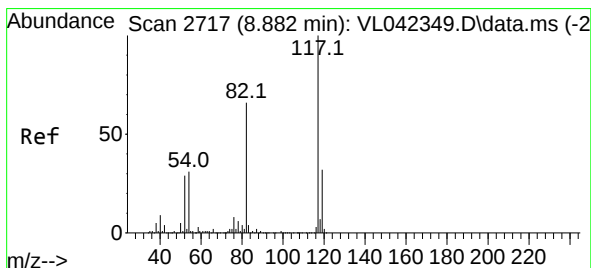
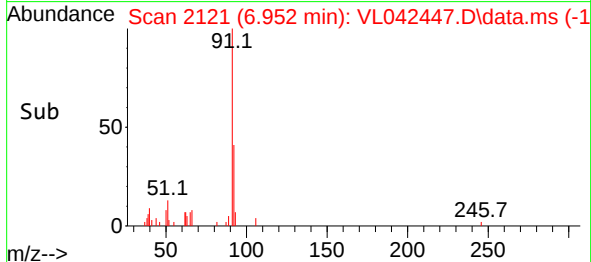
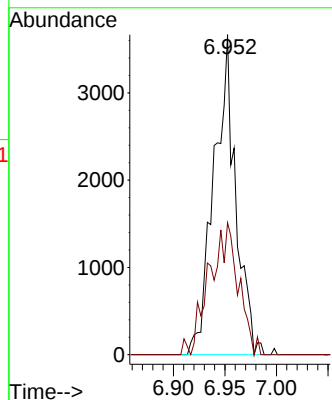
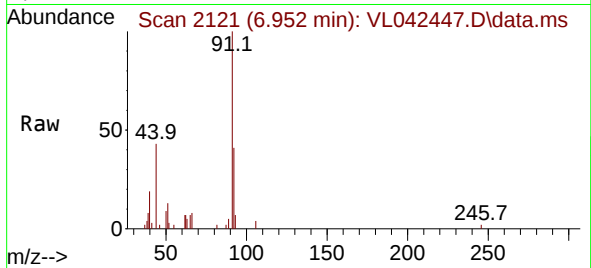
#53
Toluene
Concen: 0.135 ppbv m
RT: 6.952 min Scan# 2115
Delta R.T. 0.019 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument : MSVOA_L
ClientSampleId : EBR-SC-SS-DUP01-20250421

Tgt Ion: 91 Resp: 5410
Ion Ratio Lower Upper
91 100
92 54.7 48.2 72.4

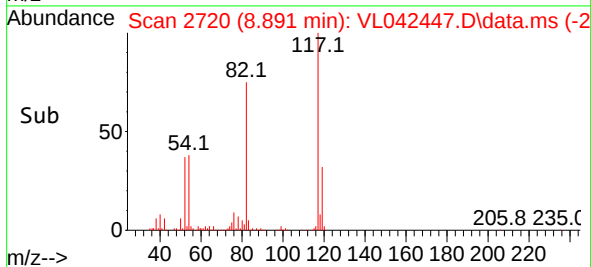
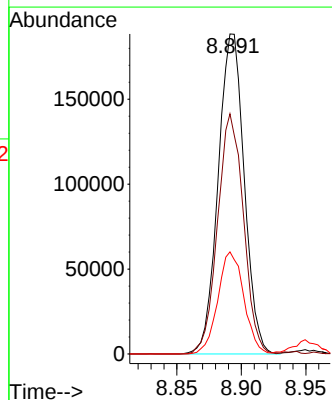
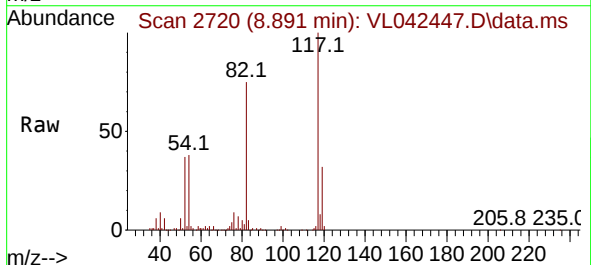
Manual Integrations
APPROVED

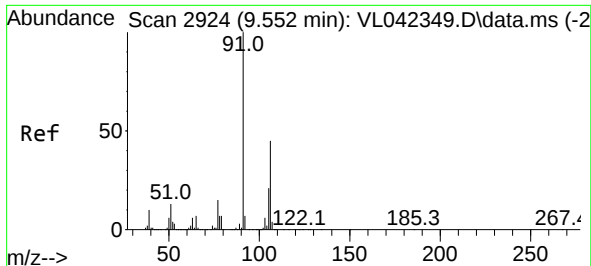
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:117 Resp: 264660
Ion Ratio Lower Upper
117 100
82 75.0 57.8 86.6
119 31.8 25.2 37.8





#59

m/p-Xylene

Concen: 0.209 ppbv m

RT: 9.539 min Scan# 2924

Delta R.T. -0.013 min

Lab File: VL042447.D

Acq: 29 Apr 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

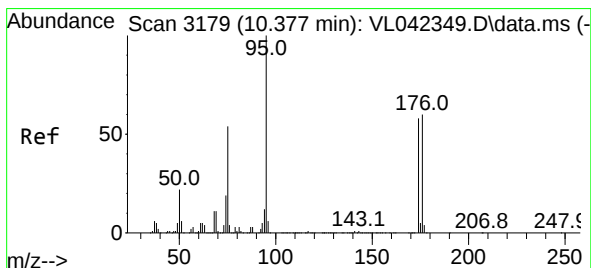
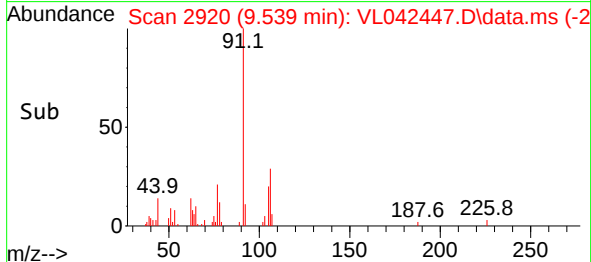
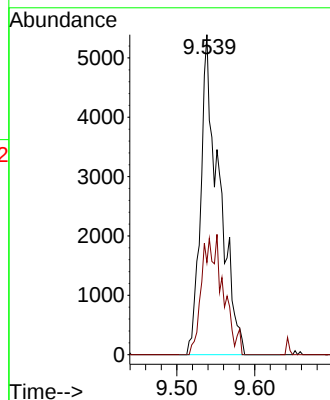
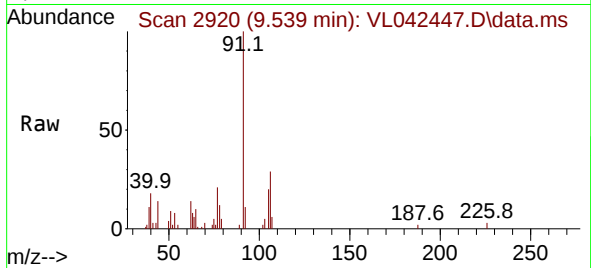
EBR-SC-SS-DUP01-20250421

Tgt Ion: 91 Resp: 884
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.4 53.2

Manual Integrations

APPROVED

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



#68

1-Bromo-4-Fluorobenzene

Concen: 11.229 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.006 min

Lab File: VL042447.D

Acq: 29 Apr 2025 15:24

Tgt Ion: 95 Resp: 244219
 Ion Ratio Lower Upper
 95 100
 174 51.7 48.5 72.7
 175 3.7 3.7 5.5

