

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043228.D
 Acq On : 18 Nov 2025 23:41
 Operator : SY/MD
 Sample : Q3651-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:42:28 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	94797	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	245185	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.876	117	185139	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	138351	10.195	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
9) Propene	1.490	41	37021	6.630	ppbv #	4
13) Ethanol	1.723	45	2039m	1.038	ppbv	
15) Acetone	1.833	43	272097	20.660	ppbv	98
20) Methylene Chloride	2.059	84	1349633	376.536	ppbv #	79
25) Ethyl Acetate	2.833	43	529396	18.637	ppbv #	92
34) 2-Butanone	2.561	43	2126m	0.123	ppbv	
53) Toluene	6.930	91	178574	6.423	ppbv	99
59) m/p-Xylene	9.526	91	3950m	0.138	ppbv	

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

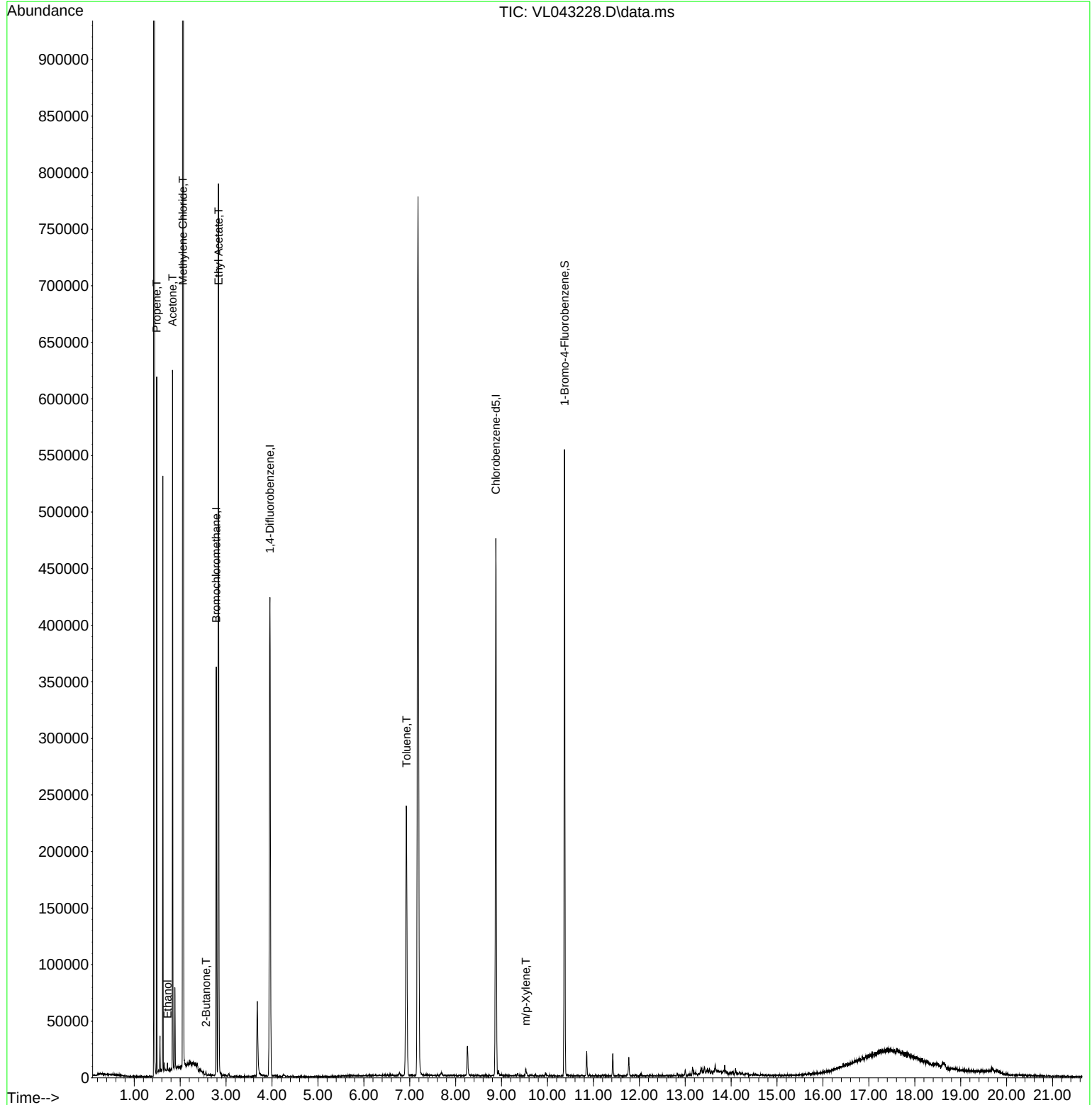
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043228.D
Acq On : 18 Nov 2025 23:41
Operator : SY/MD
Sample : Q3651-03DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

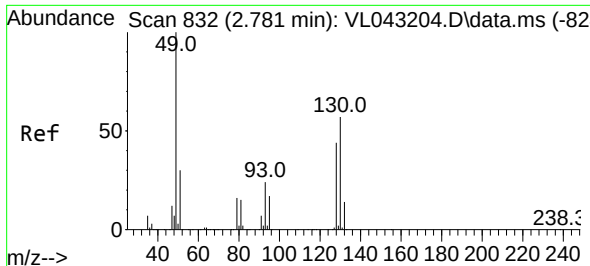
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration





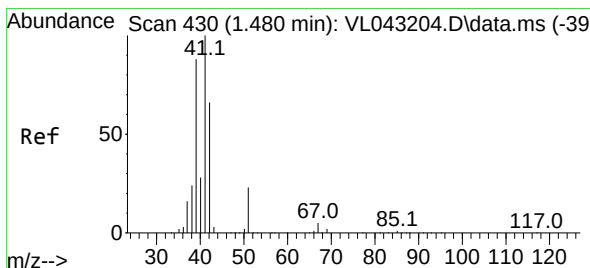
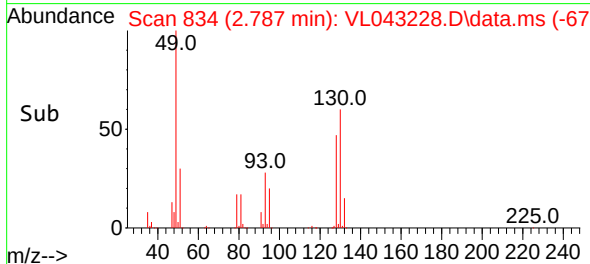
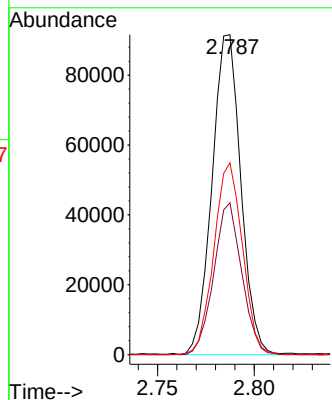
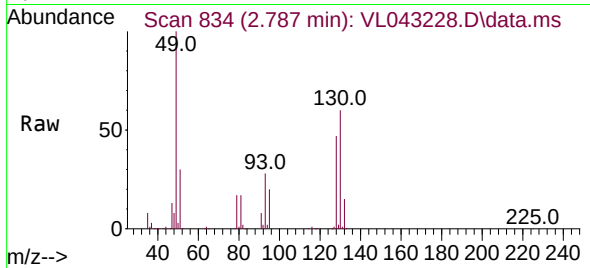
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 832
Delta R.T. 0.006 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 9479
Ion Ratio Lower Upper
49 100
128 46.1 23.0 69.0
130 59.5 29.9 89.7

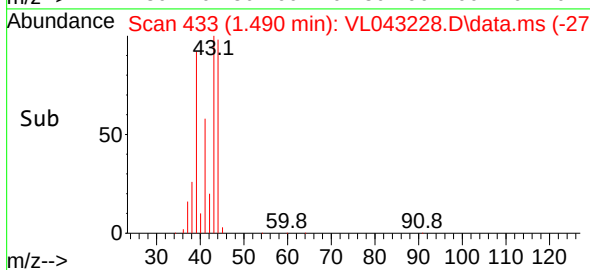
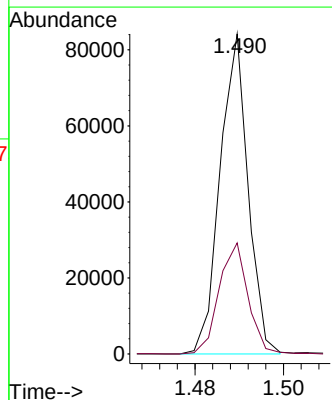
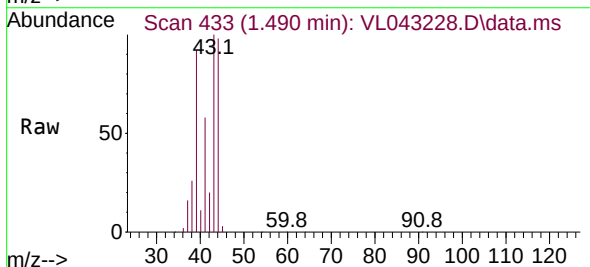
Manual Integrations
APPROVED

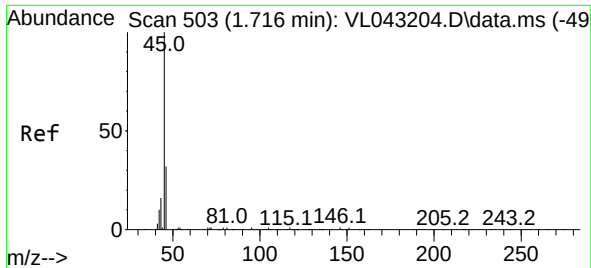
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#9
Propene
Concen: 6.630 ppbv
RT: 1.490 min Scan# 433
Delta R.T. 0.010 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

Tgt Ion: 41 Resp: 37021
Ion Ratio Lower Upper
41 100
42 36.3 3.7 5.5#





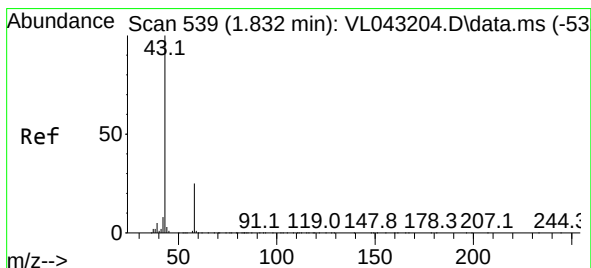
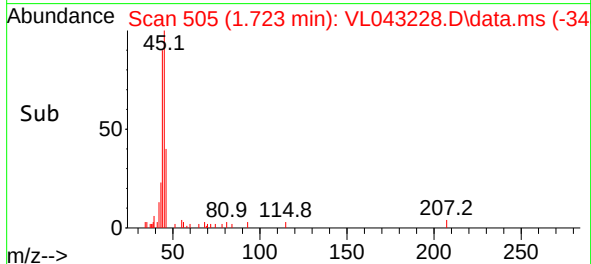
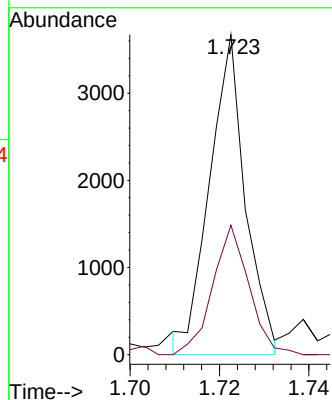
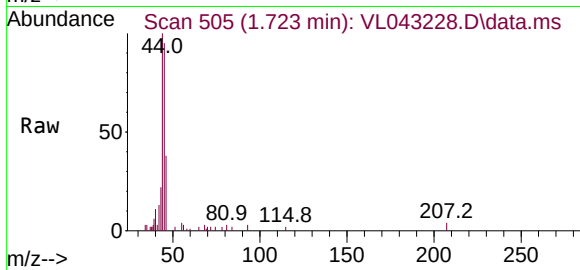
#13
Ethanol
Concen: 1.038 ppbv m
RT: 1.723 min Scan# 503
Delta R.T. 0.007 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 2039
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

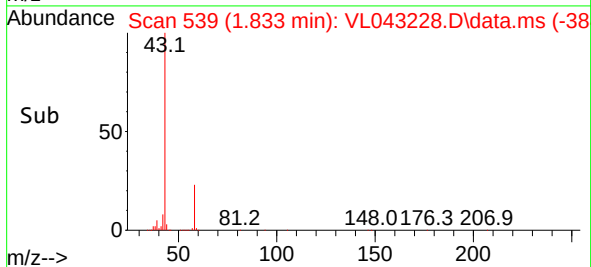
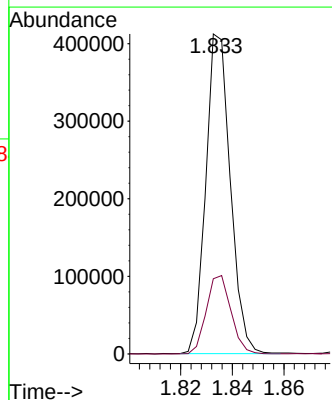
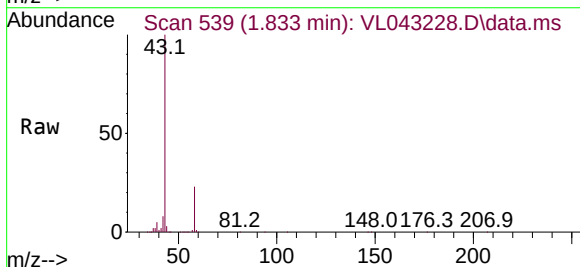
Manual Integrations
APPROVED

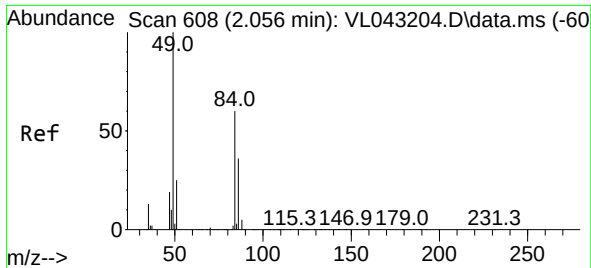
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#15
Acetone
Concen: 20.660 ppbv
RT: 1.833 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

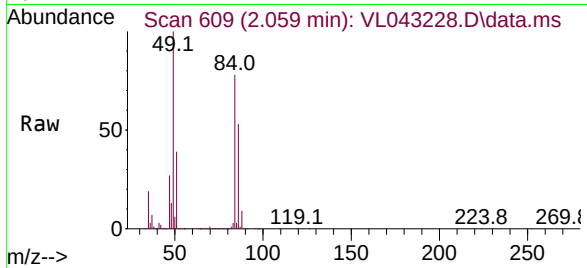
Tgt Ion: 43 Resp: 272097
Ion Ratio Lower Upper
43 100
58 24.7 20.7 31.1





#20
Methylene Chloride
Concen: 376.536 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

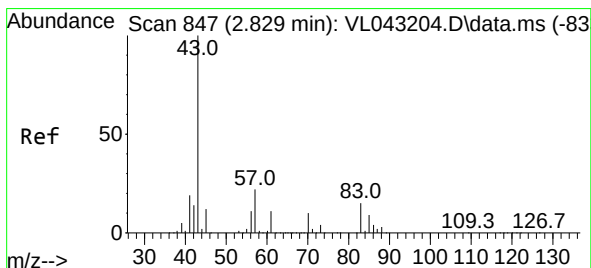
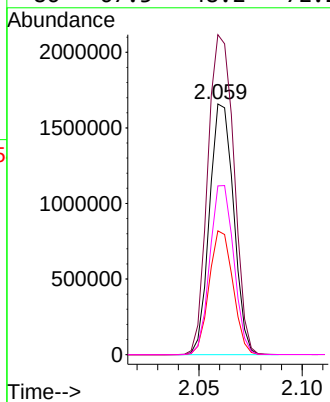
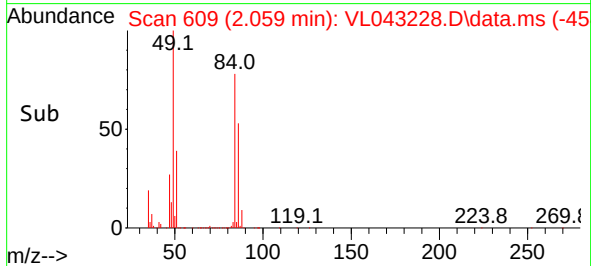
Instrument :
MSVOA_L
Client Sample Id :
IA1DL



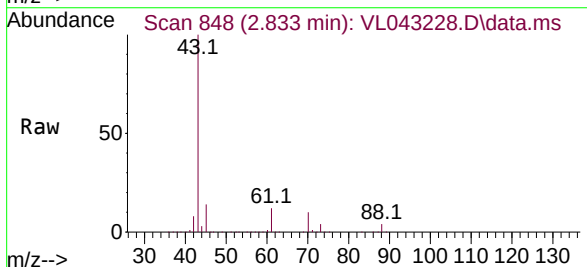
Tgt Ion: 84 Resp: 1349633
Ion Ratio Lower Upper
84 100
49 127.7 132.9 199.3#
51 49.4 34.8 52.2
86 67.3 48.2 72.2

Manual Integrations
APPROVED

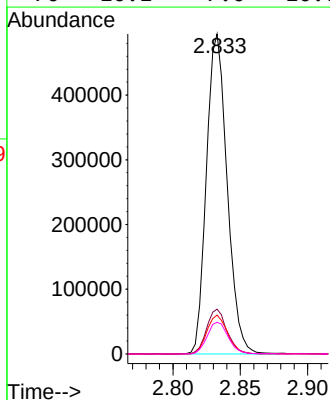
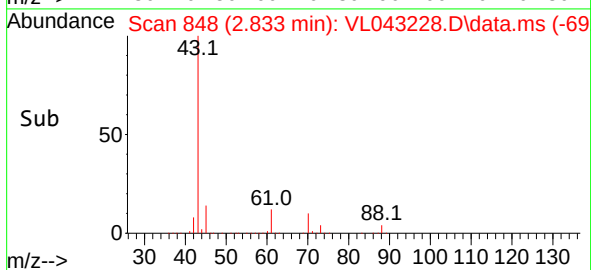
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

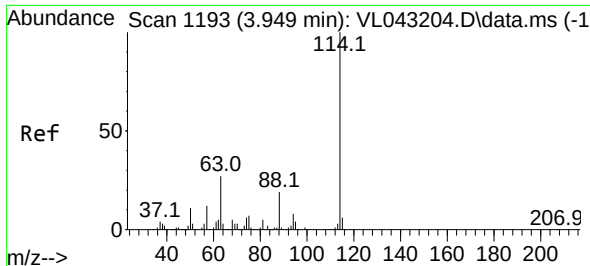


#25
Ethyl Acetate
Concen: 18.637 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41



Tgt Ion: 43 Resp: 529396
Ion Ratio Lower Upper
43 100
45 13.7 8.1 12.1#
61 12.1 7.0 10.4#
70 10.1 7.0 10.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.007 min

Lab File: VL043228.D

Acq: 18 Nov 2025 23:41

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

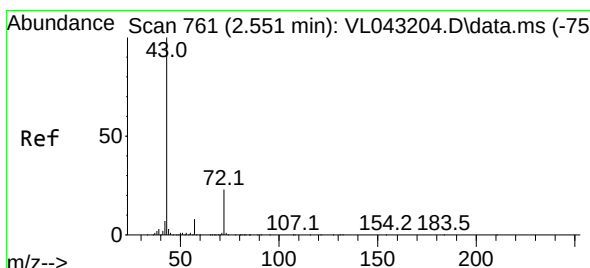
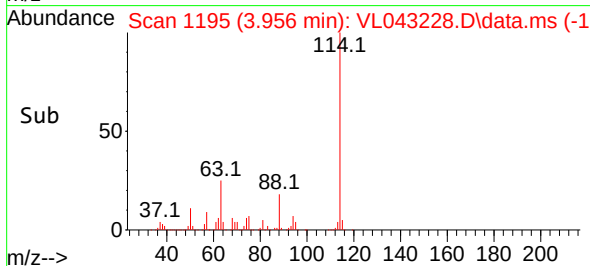
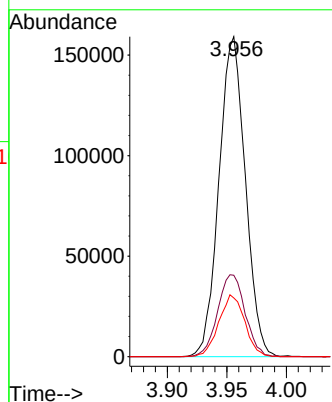
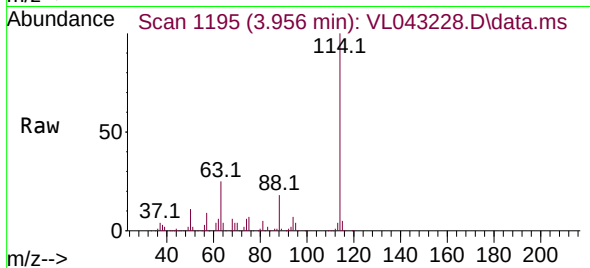
Tgt Ion:114 Resp: 245185

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.0	31.6
88	19.0	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#34

2-Butanone

Concen: 0.123 ppbv m

RT: 2.561 min Scan# 764

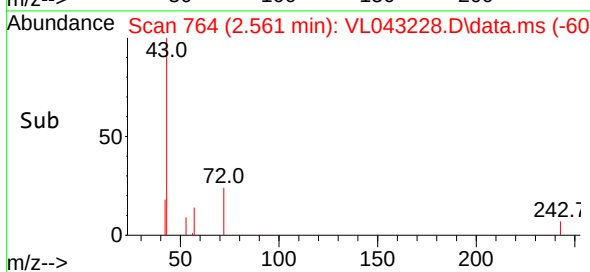
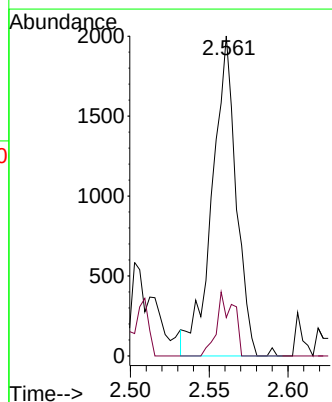
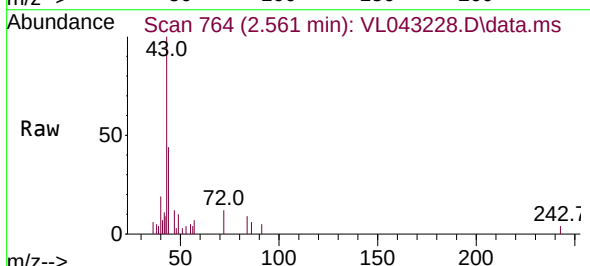
Delta R.T. 0.010 min

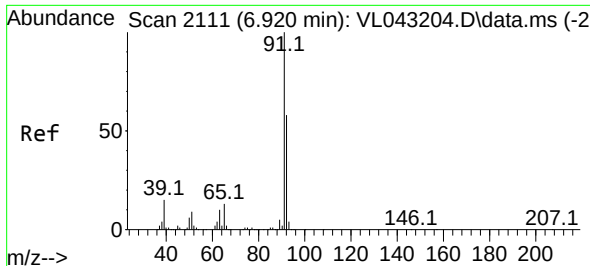
Lab File: VL043228.D

Acq: 18 Nov 2025 23:41

Tgt Ion: 43 Resp: 2126

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.1	27.1#





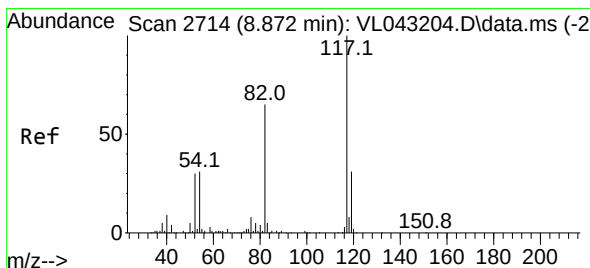
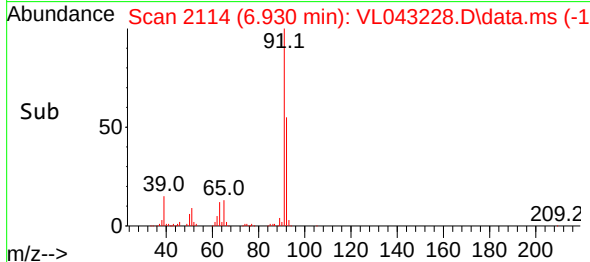
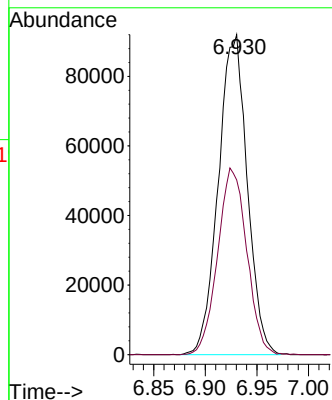
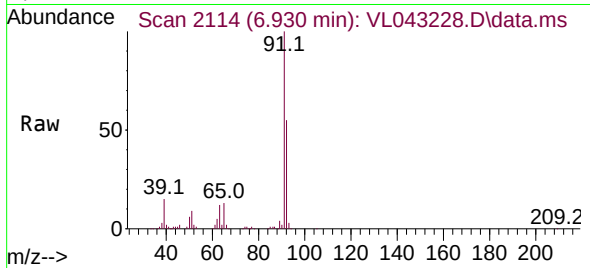
#53
Toluene
Concen: 6.423 ppbv
RT: 6.930 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 178574
Ion Ratio Lower Upper
91 100
92 58.8 47.4 71.0

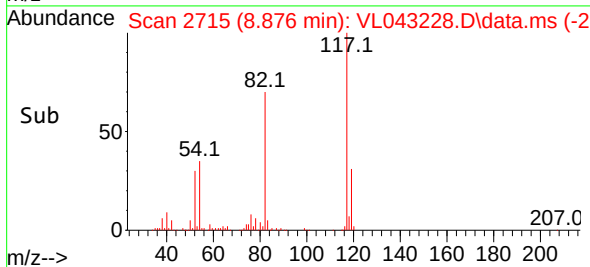
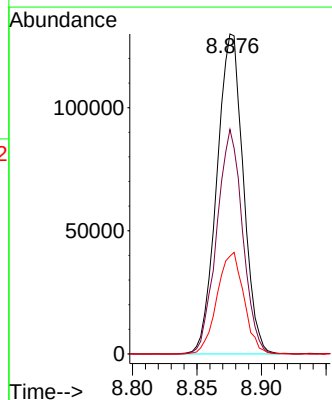
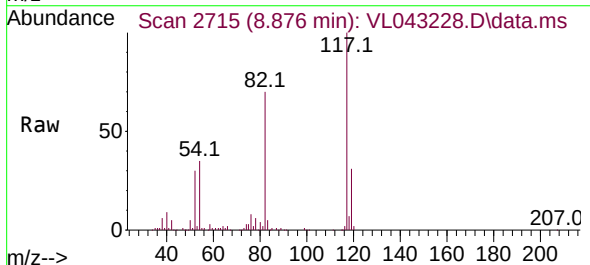
Manual Integrations
APPROVED

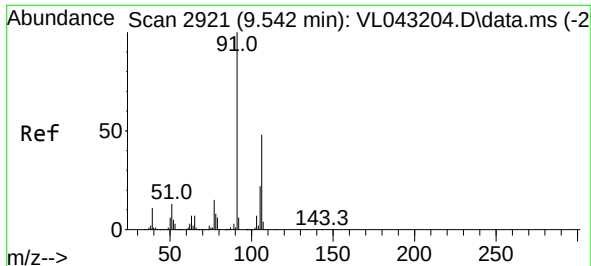
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.876 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

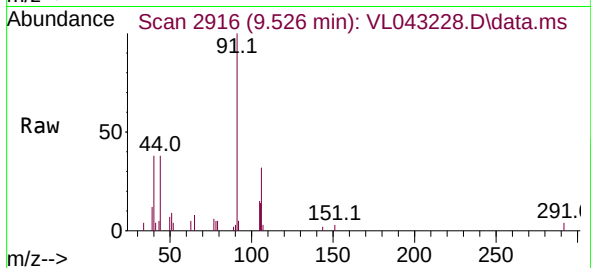
Tgt Ion:117 Resp: 185139
Ion Ratio Lower Upper
117 100
82 69.0 56.1 84.1
119 32.2 25.0 37.6





#59
m/p-Xylene
Concen: 0.138 ppbv m
RT: 9.526 min Scan# 2921
Delta R.T. -0.016 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41

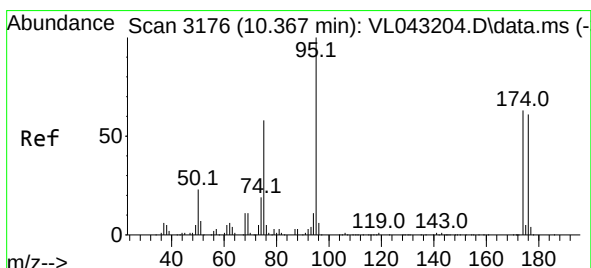
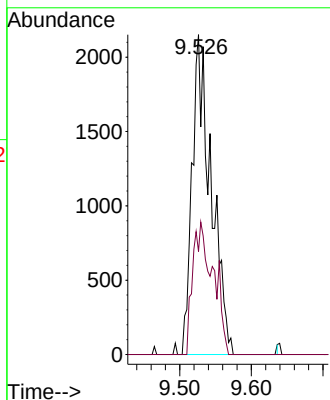
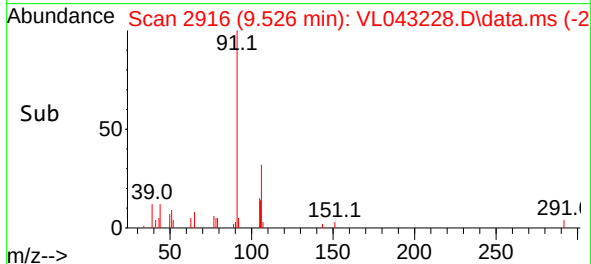
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



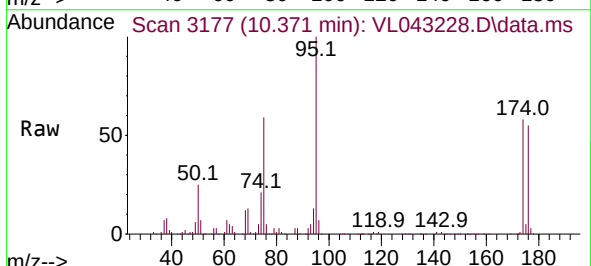
Tgt Ion: 91 Resp: 3950
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.195 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043228.D
Acq: 18 Nov 2025 23:41



Tgt Ion: 95 Resp: 138351
Ion Ratio Lower Upper
95 100
174 58.0 50.2 75.2
175 4.5 4.1 6.1

