

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042444.D
 Acq On : 29 Apr 2025 13:45
 Operator : SY/MD
 Sample : Q1908-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-2

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 01:20:23 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	2.787	49	118600	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	314605	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	266515	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	243301	11.109	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	10518	0.502	ppbv	96
3) Chlorodifluoromethane	1.476	51	4222m	0.212	ppbv	
4) Chloromethane	1.531	50	3830	0.462	ppbv	99
9) Propene	1.489	41	2467	0.271	ppbv	98
11) Trichlorofluoromethane	1.877	101	4574	0.230	ppbv	96
13) Ethanol	1.722	45	14101	9.763	ppbv #	24
15) Acetone	1.835	43	69707	3.590	ppbv	96
19) Isopropyl Alcohol	1.887	45	4054m	0.376	ppbv	
20) Methylene Chloride	2.062	84	152405	20.044	ppbv	91
26) Hexane	2.826	57	78428	4.048	ppbv #	32
34) 2-Butanone	2.564	43	5224	0.210	ppbv #	89
35) Carbon Tetrachloride	3.768	117	1793m	0.063	ppbv	
53) Toluene	6.943	91	5301m	0.130	ppbv	
74) 1,2,4-Trimethylbenzene	11.542	105	9220	0.171	ppbv #	71

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

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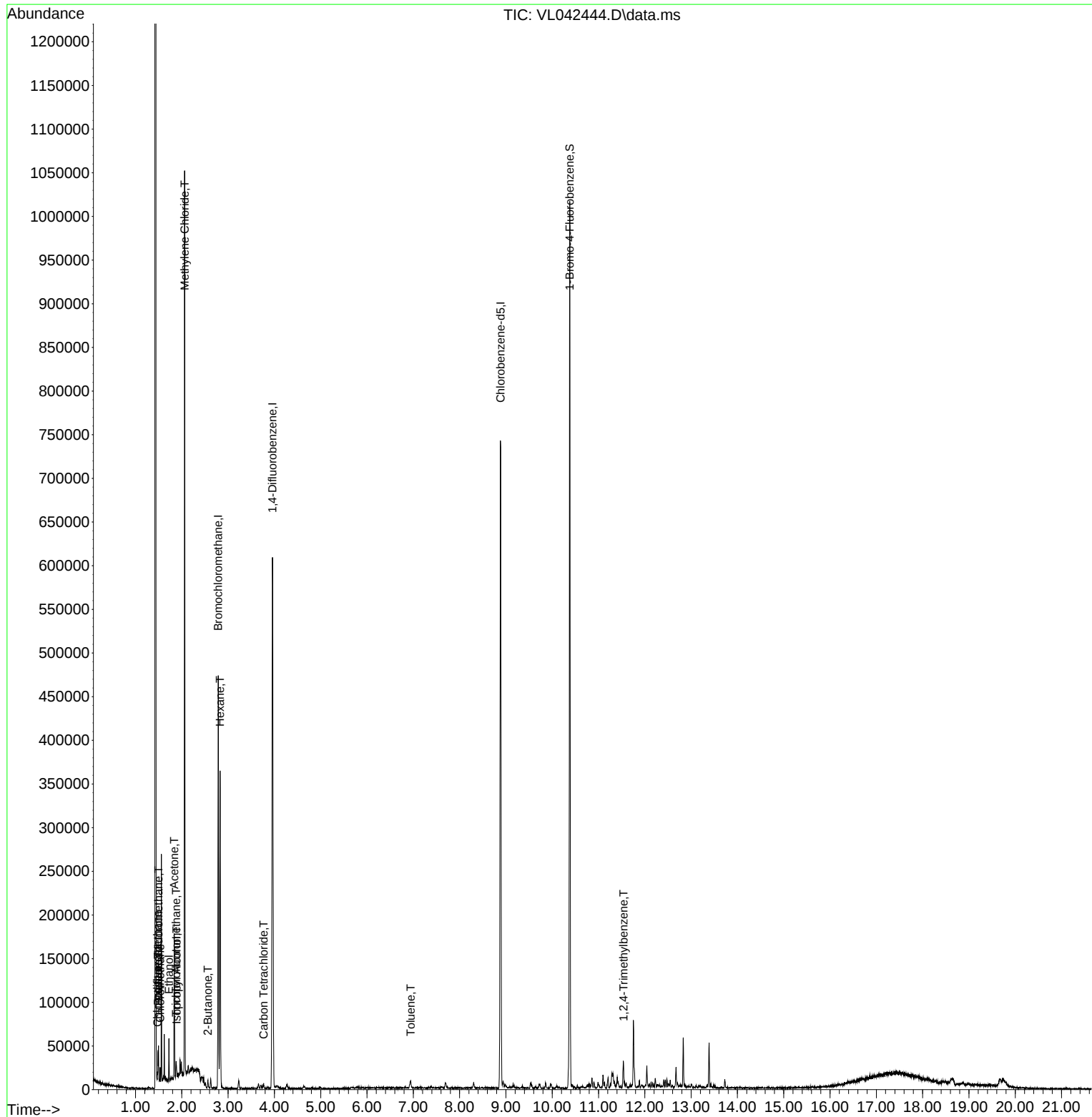
Quant Time: Apr 30 01:20:23 2025

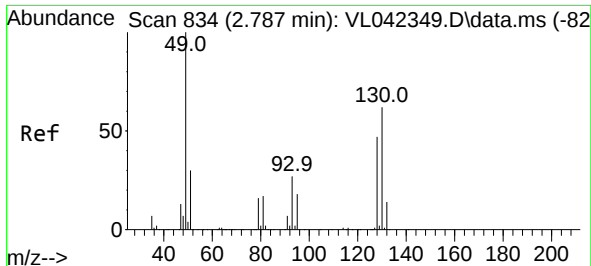
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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





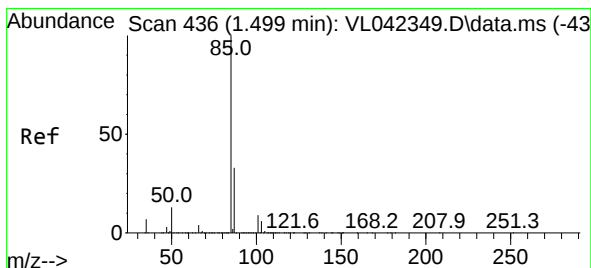
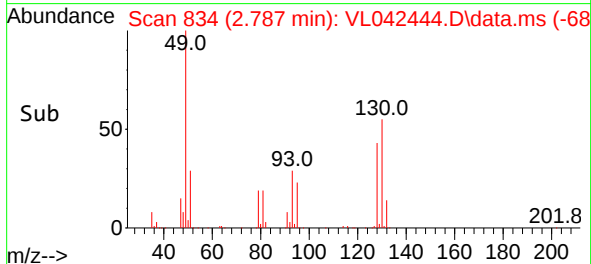
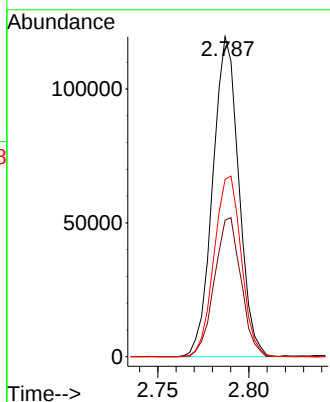
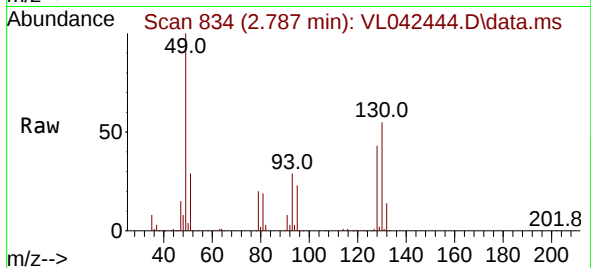
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

Instrument :
MSVOA_L
ClientSampleId :
B-2

Tgt Ion: 49 Resp: 118600
Ion Ratio Lower Upper
49 100
128 44.4 22.8 68.4
130 59.0 29.3 88.0

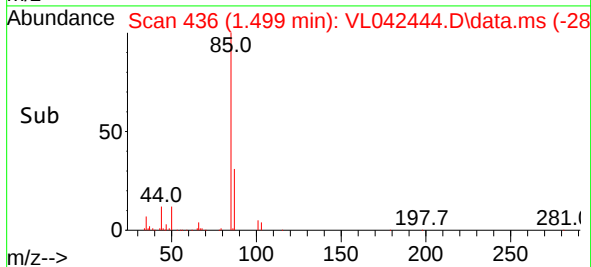
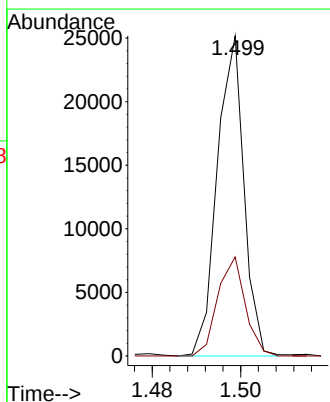
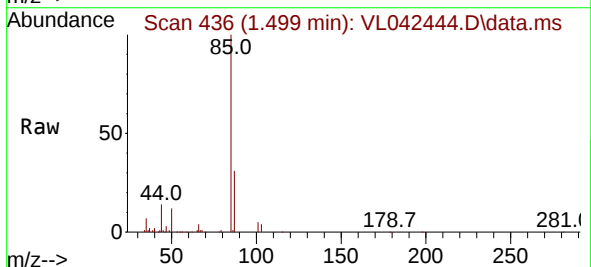
Manual Integrations
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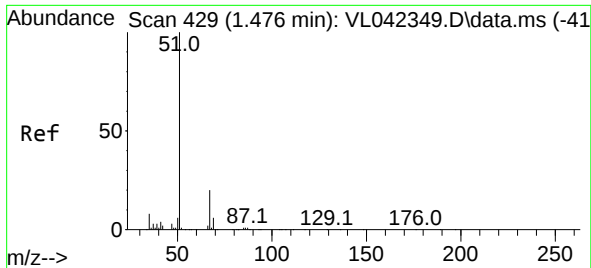
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.502 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

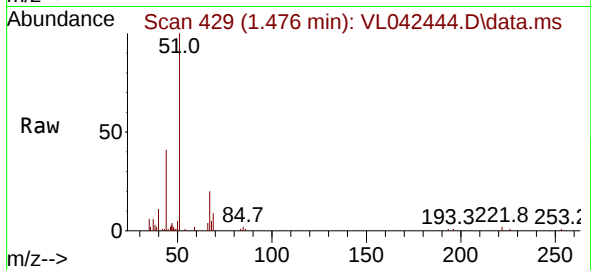
Tgt Ion: 85 Resp: 10518
Ion Ratio Lower Upper
85 100
87 30.9 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.212 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

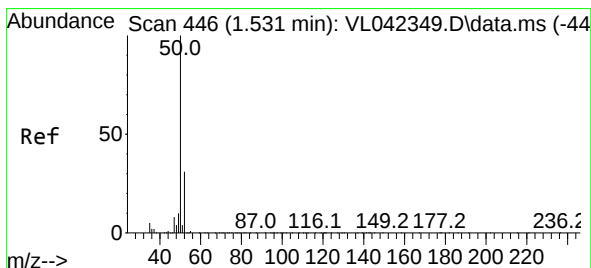
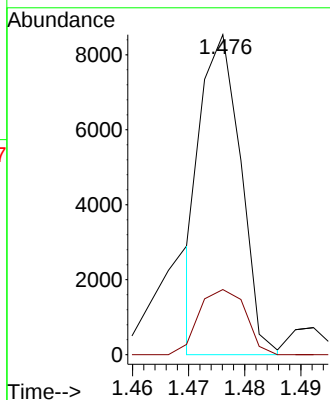
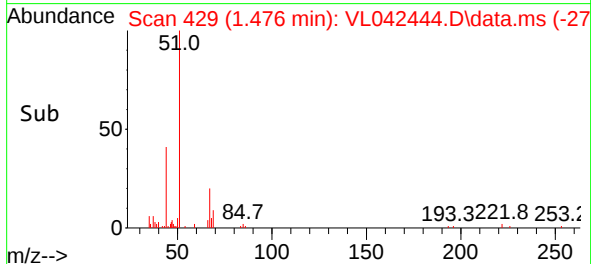
Instrument :
MSVOA_L
ClientSampleId :
B-2



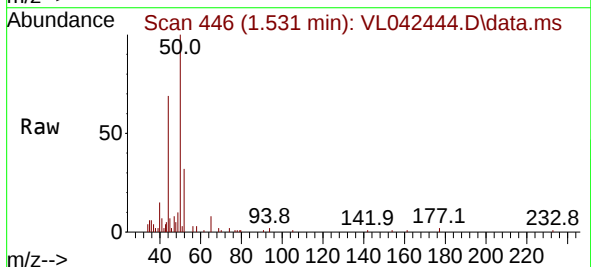
Tgt Ion: 51 Resp: 422
Ion Ratio Lower Upper
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67 2.1 16.2 24.4

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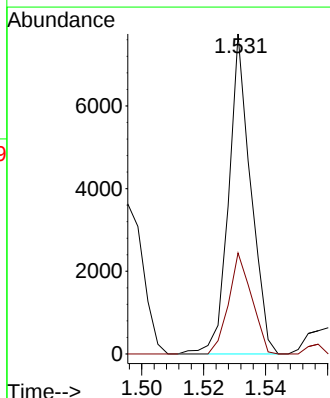
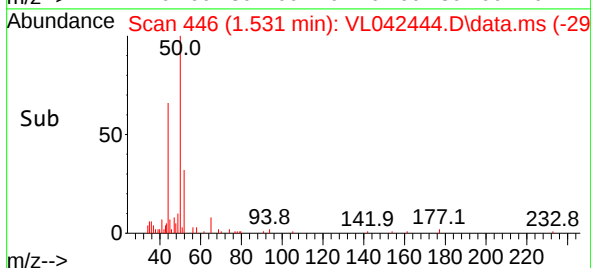
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

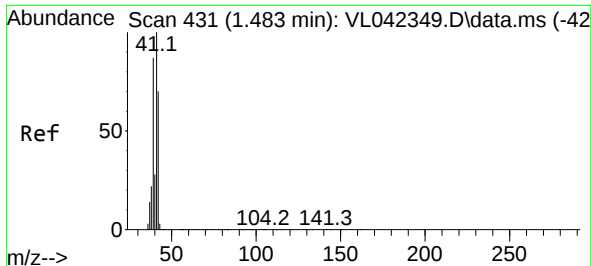


#4
Chloromethane
Concen: 0.462 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45



Tgt Ion: 50 Resp: 3830
Ion Ratio Lower Upper
50 100
52 31.6 24.7 37.1





#9

Propene

Concen: 0.271 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042444.D

Acq: 29 Apr 2025 13:45

Instrument :

MSVOA_L

ClientSampleId :

B-2

Tgt Ion: 41 Resp: 246

Ion Ratio Lower Upper

41 100

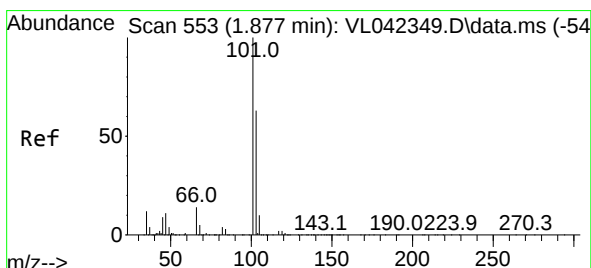
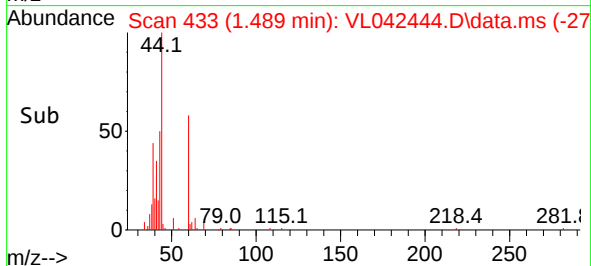
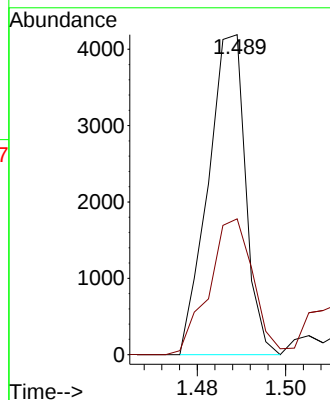
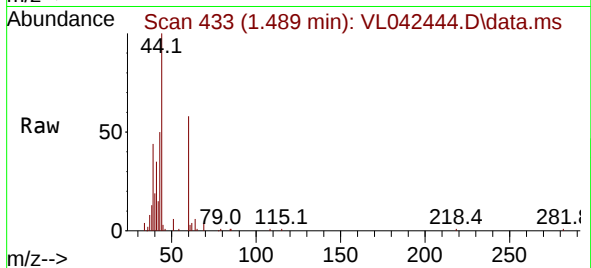
42 71.7 56.2 84.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#11

Trichlorofluoromethane

Concen: 0.230 ppbv

RT: 1.877 min Scan# 553

Delta R.T. -0.000 min

Lab File: VL042444.D

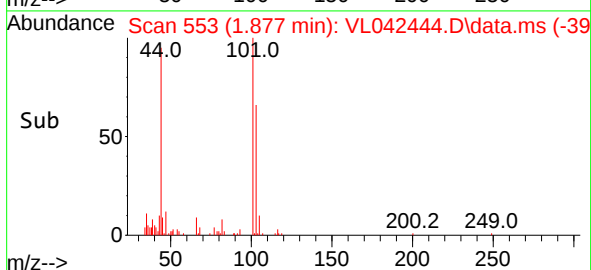
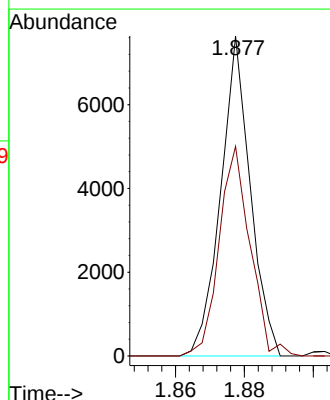
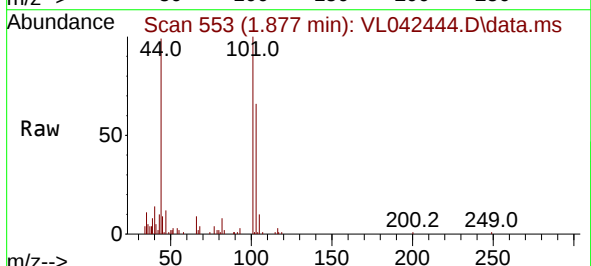
Acq: 29 Apr 2025 13:45

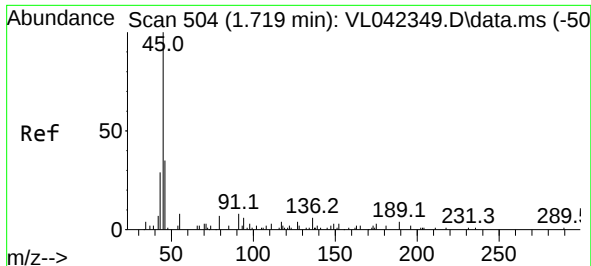
Tgt Ion:101 Resp: 4574

Ion Ratio Lower Upper

101 100

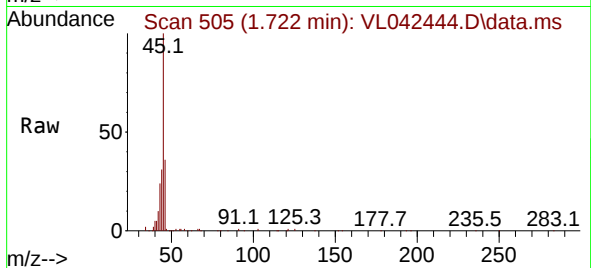
103 65.5 50.1 75.1





#13
Ethanol
Concen: 9.763 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

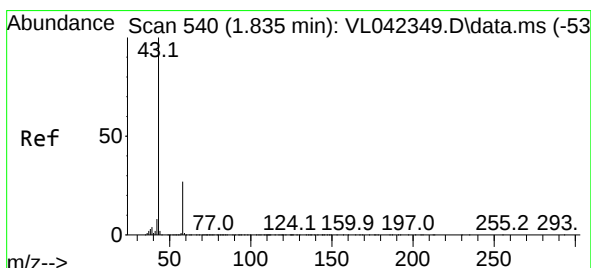
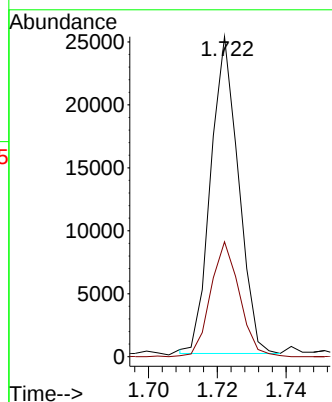
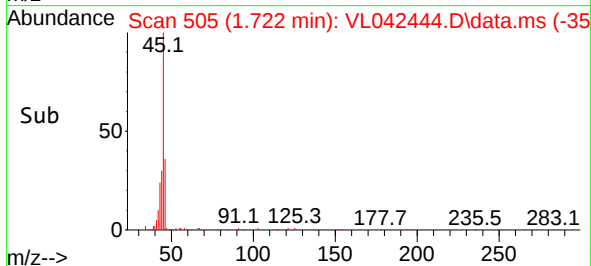
Instrument :
MSVOA_L
ClientSampleId :
B-2



Tgt Ion: 45 Resp: 1410
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

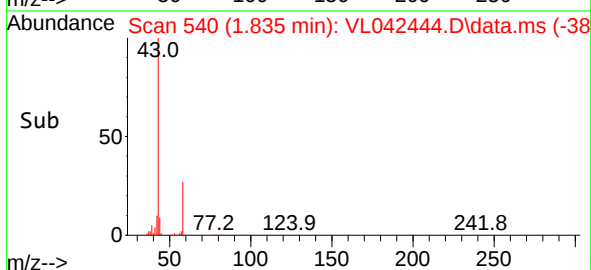
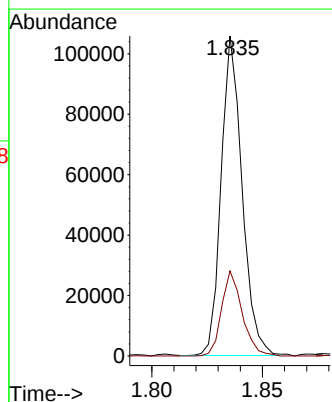
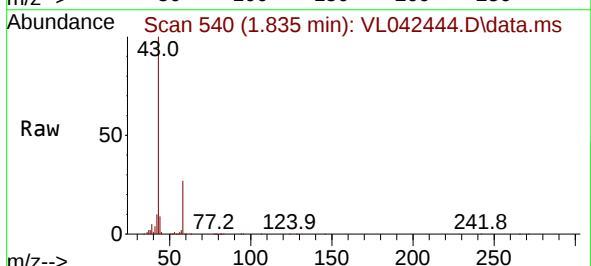
Manual Integrations
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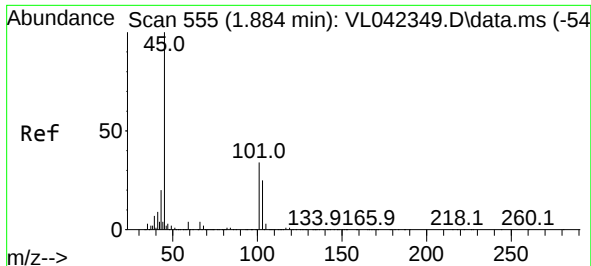
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#15
Acetone
Concen: 3.590 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

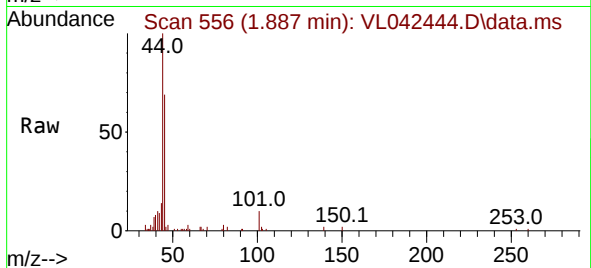
Tgt Ion: 43 Resp: 69707
Ion Ratio Lower Upper
43 100
58 26.1 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.376 ppbv m
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

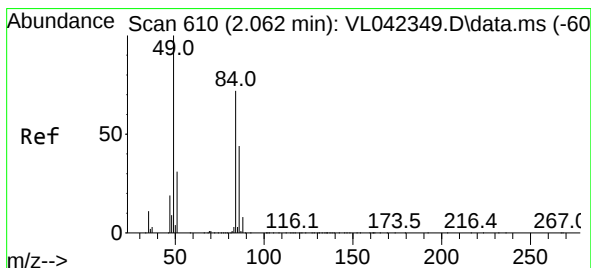
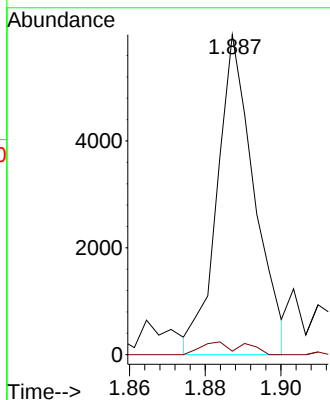
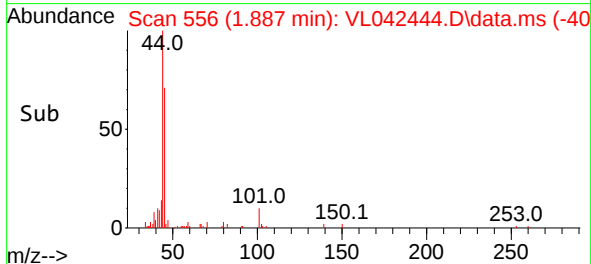
Instrument :
MSVOA_L
ClientSampleId :
B-2



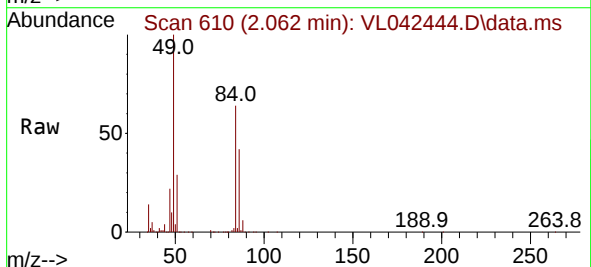
Tgt Ion: 45 Resp: 4054
Ion Ratio Lower Upper
45 100
58 50.7 34.5 51.7

Manual Integrations
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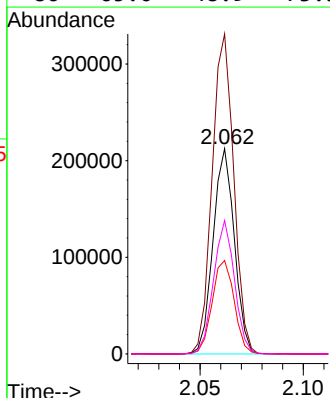
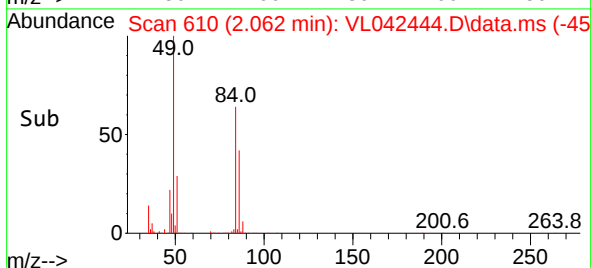
Reviewed By :Semsettin Yesilyurt 04/30/2025
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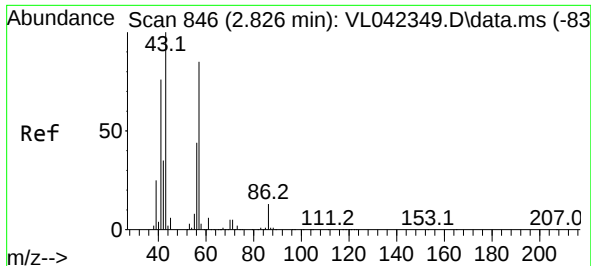


#20
Methylene Chloride
Concen: 20.044 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45



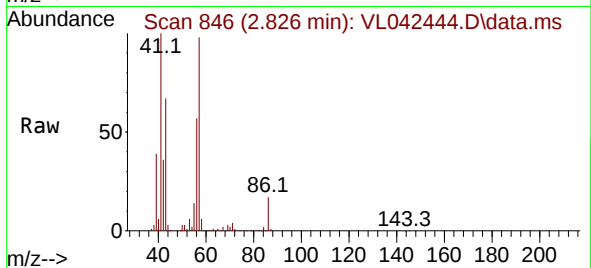
Tgt Ion: 84 Resp: 152405
Ion Ratio Lower Upper
84 100
49 155.9 111.6 167.4
51 45.5 35.1 52.7
86 65.0 48.9 73.3





#26
Hexane
Concen: 4.048 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

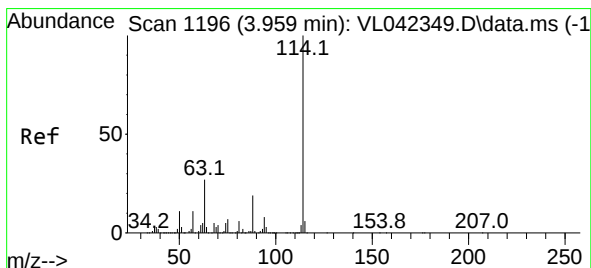
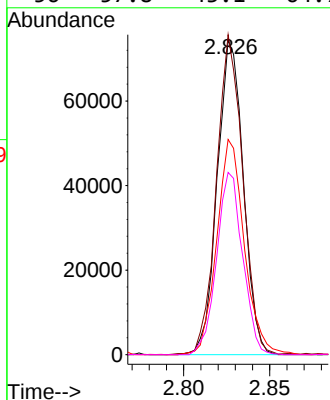
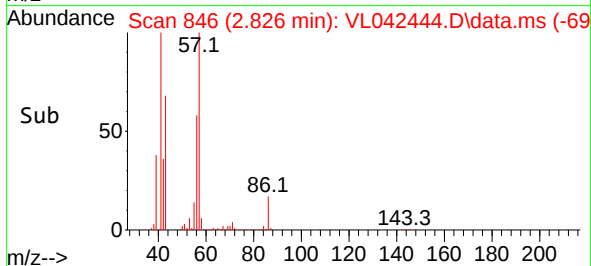
Instrument :
MSVOA_L
ClientSampleId :
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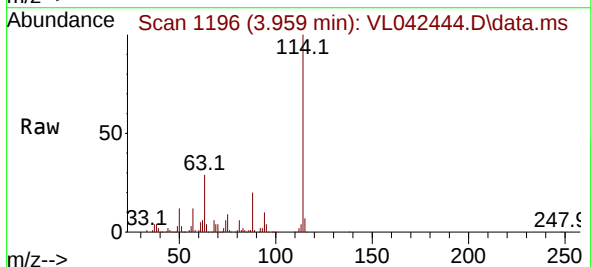
Tgt Ion: 57 Resp: 78428
Ion Ratio Lower Upper
57 100
41 102.9 77.9 116.9
43 72.9 208.4 312.6
56 57.8 43.1 64.7

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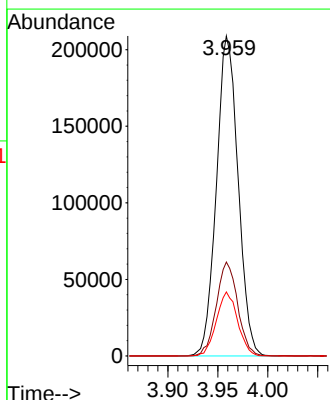
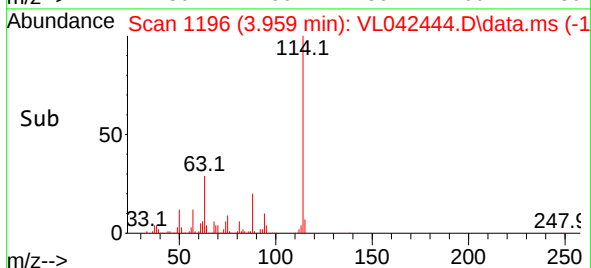
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

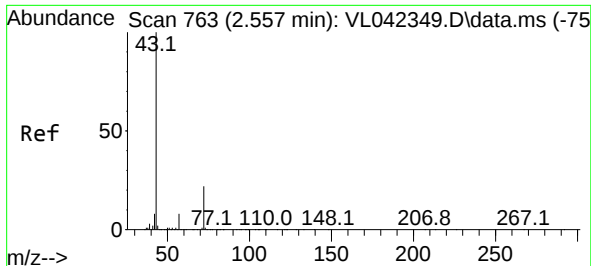


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45



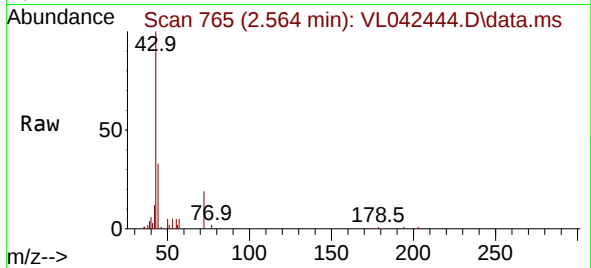
Tgt Ion:114 Resp: 314605
Ion Ratio Lower Upper
114 100
63 29.0 21.8 32.6
88 19.6 15.5 23.3





#34
2-Butanone
Concen: 0.210 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

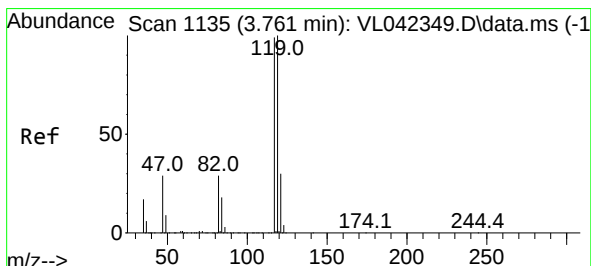
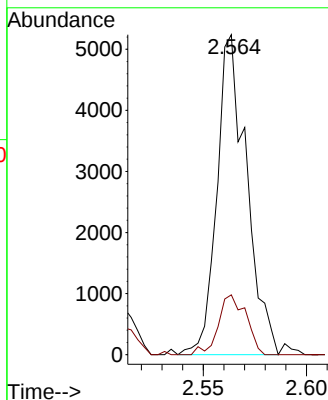
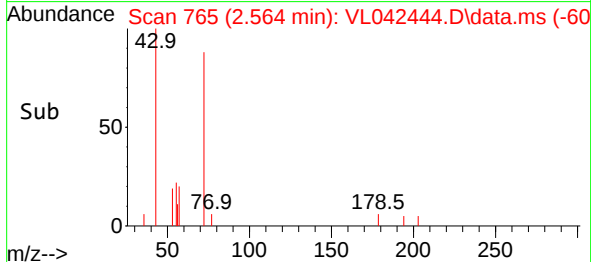
Instrument :
MSVOA_L
ClientSampleId :
B-2



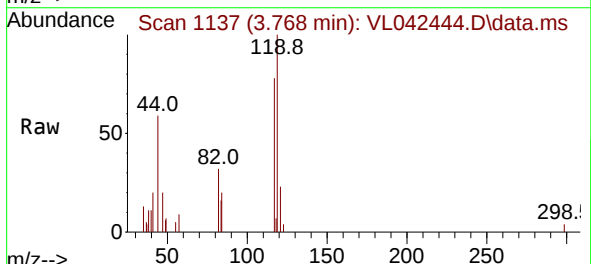
Tgt Ion: 43 Resp: 5224
Ion Ratio Lower Upper
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72 17.5 18.2 27.2

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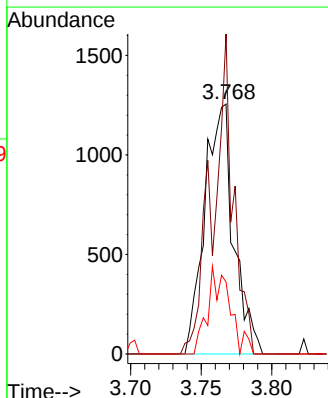
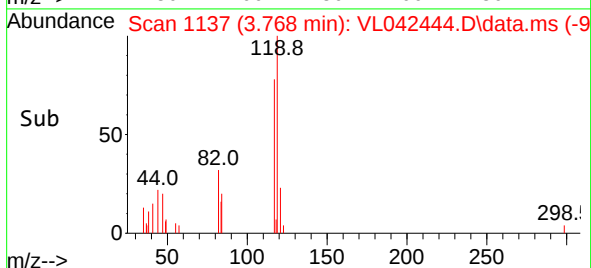
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

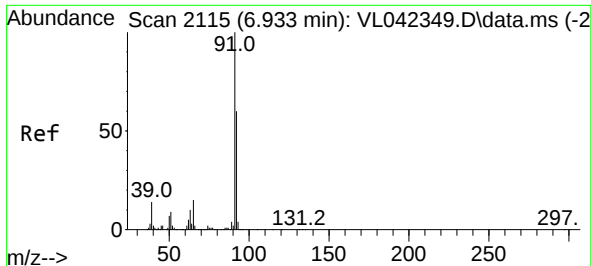


#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45



Tgt Ion:117 Resp: 1793
Ion Ratio Lower Upper
117 100
119 128.0 80.5 120.7#
121 28.8 24.2 36.2





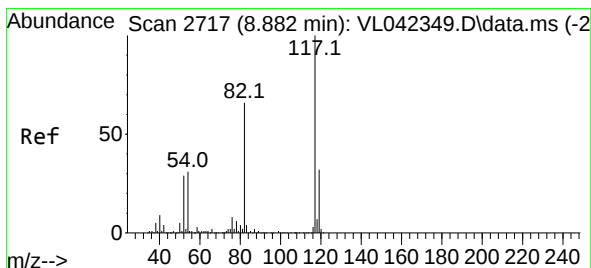
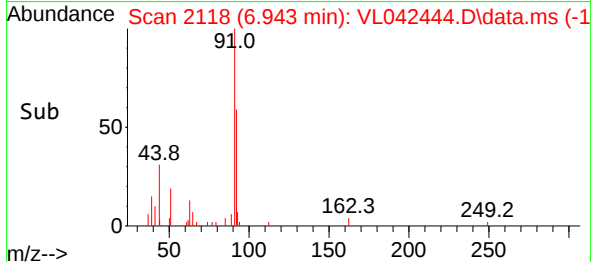
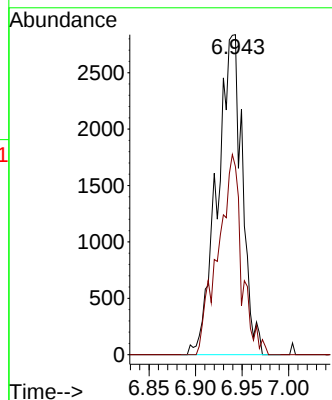
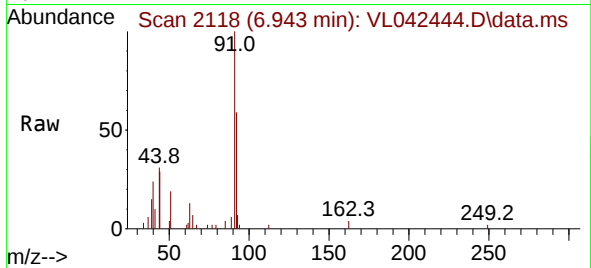
#53
Toluene
Concen: 0.130 ppbv m
RT: 6.943 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

Instrument :
MSVOA_L
ClientSampleId :
B-2

Tgt Ion: 91 Resp: 530
Ion Ratio Lower Upper
91 100
92 59.2 48.2 72.4

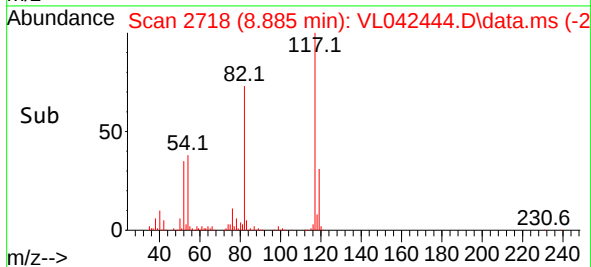
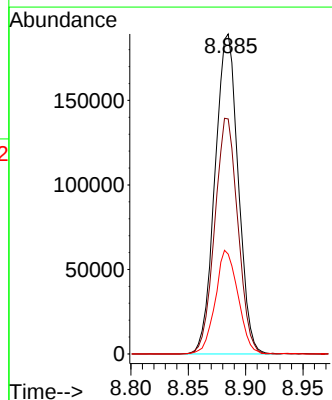
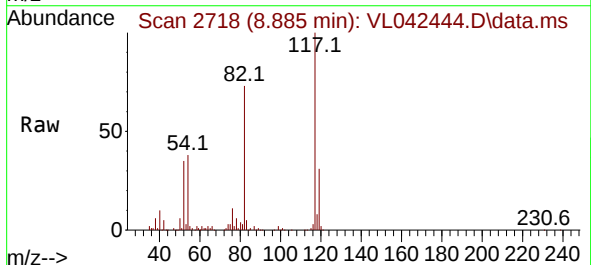
Manual Integrations
APPROVED

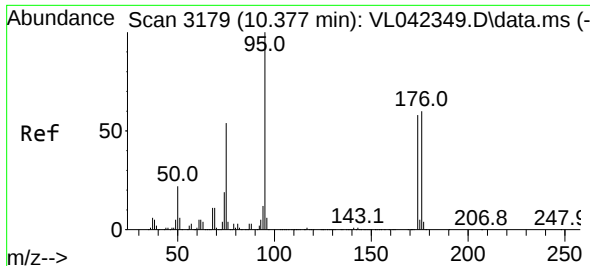
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

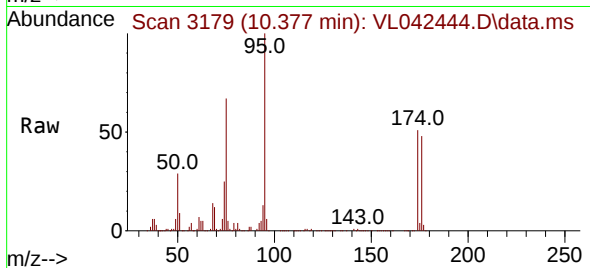
Tgt Ion:117 Resp: 266515
Ion Ratio Lower Upper
117 100
82 73.5 57.8 86.6
119 31.8 25.2 37.8





#68
1-Bromo-4-Fluorobenzene
Concen: 11.109 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45

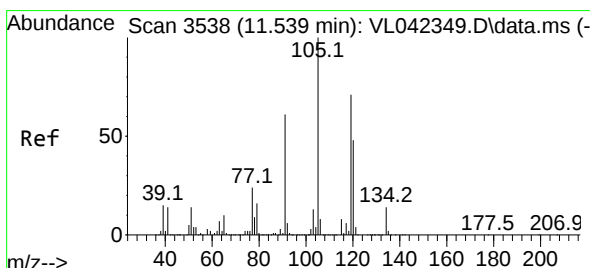
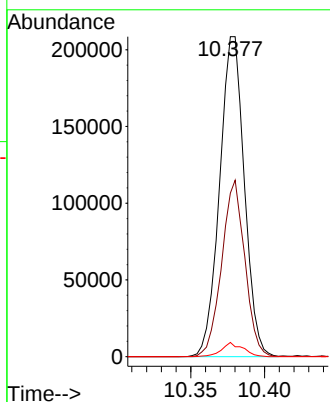
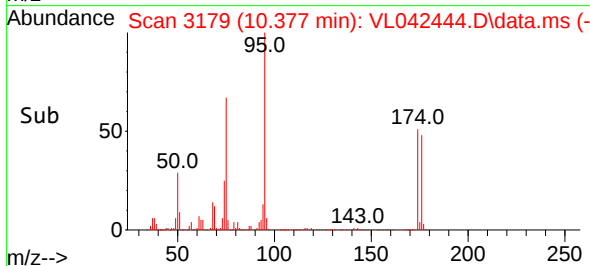
Instrument :
MSVOA_L
ClientSampleId :
B-2



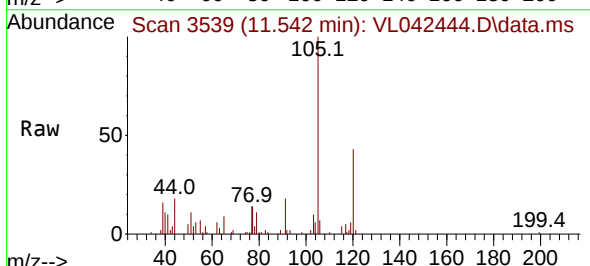
Tgt Ion: 95 Resp: 24330
Ion Ratio Lower Upper
95 100
174 51.7 48.5 72.7
175 3.8 3.7 5.5

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.171 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042444.D
Acq: 29 Apr 2025 13:45



Tgt Ion:105 Resp: 9220
Ion Ratio Lower Upper
105 100
120 43.2 38.1 57.1
91 20.1 48.8 73.2#
77 28.4 19.0 28.4

