

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042295.D
 Acq On : 09 Apr 2025 16:23
 Operator : SY/MD
 Sample : Q1665-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B9-2-3242025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

Quant Time: Apr 10 01:46:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	157163	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	385586	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	326865	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	260627	9.709	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9767	0.421	ppbv	99
3) Chlorodifluoromethane	1.476	51	19628m	0.828	ppbv	
4) Chloromethane	1.531	50	5476	0.577	ppbv	100
9) Propene	1.489	41	49325m	4.540	ppbv	
10) Heptane	4.988	43	3418m	0.118	ppbv	
11) Trichlorofluoromethane	1.877	101	5036	0.223	ppbv	91
13) Ethanol	1.722	45	26305	25.610	ppbv	83
15) Acetone	1.835	43	140811	6.406	ppbv	91
19) Isopropyl Alcohol	1.887	45	262397	21.158	ppbv #	33
20) Methylene Chloride	2.062	84	9600	1.173	ppbv	93
26) Hexane	2.826	57	42387	1.924	ppbv #	35
34) 2-Butanone	2.560	43	89072	3.186	ppbv	97
35) Carbon Tetrachloride	3.758	117	2602m	0.086	ppbv	
36) Benzene	3.654	78	11286	0.295	ppbv	92
53) Toluene	6.933	91	17473	0.386	ppbv	97
57) Chlorobenzene	8.924	112	6308	0.203	ppbv #	76
59) m/p-Xylene	9.529	91	9059m	0.195	ppbv	
60) o-Xylene	9.963	91	4768	0.103	ppbv	97

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

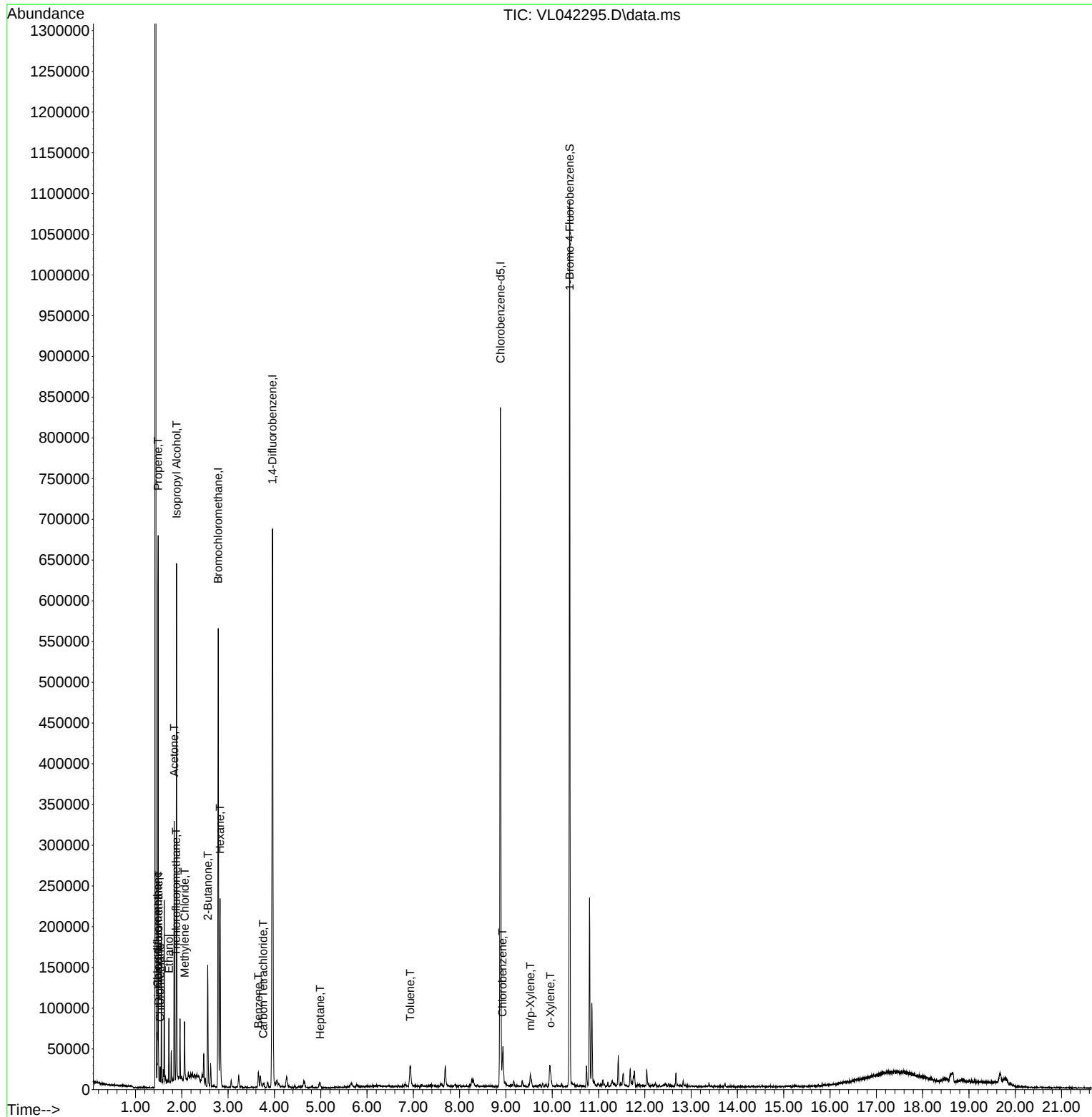
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
Data File : VL042295.D
Acq On : 09 Apr 2025 16:23
Operator : SY/MD
Sample : Q1665-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

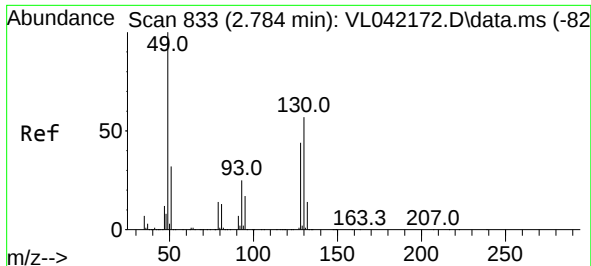
Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025

Quant Time: Apr 10 01:46:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations
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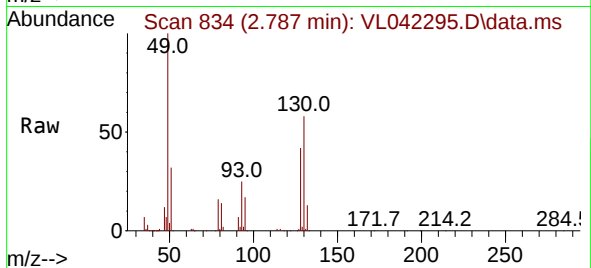
Reviewed By : Semsettin Yesilyurt 04/10/2025
Supervised By : Mahesh Dadoda 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

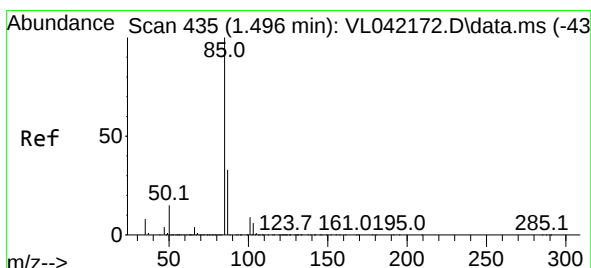
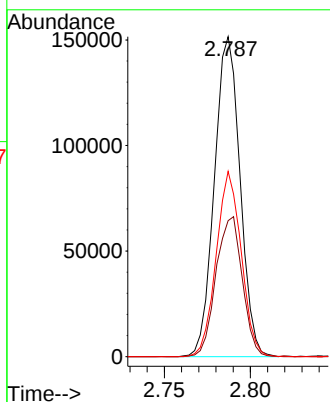
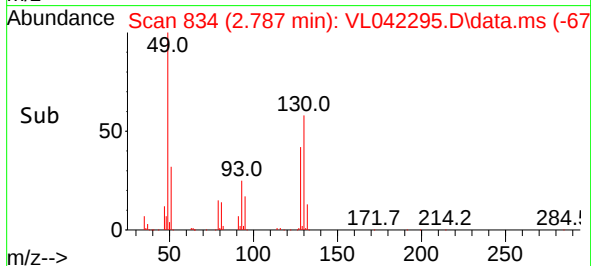
Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025



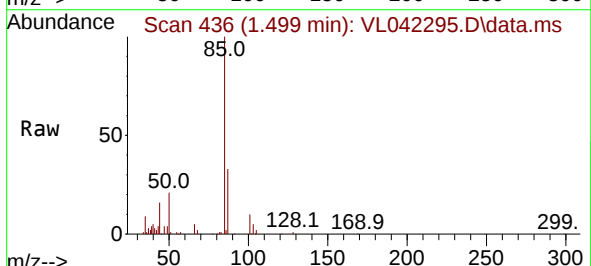
Tgt Ion: 49 Resp: 15716
Ion Ratio Lower Upper
49 100
128 44.9 22.9 68.5
130 56.4 28.8 86.4

Manual Integrations
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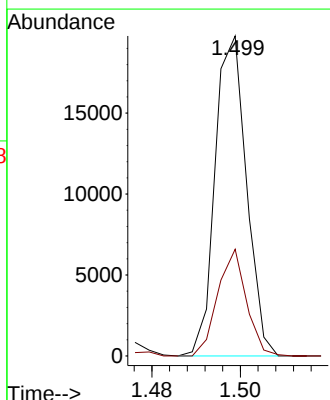
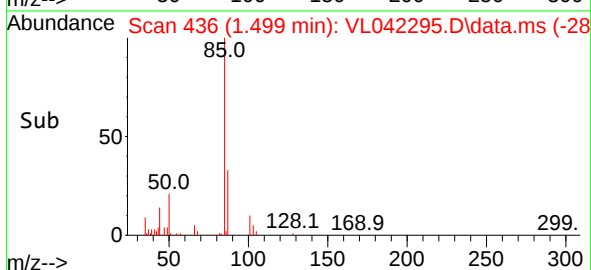
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#2
Dichlorodifluoromethane
Concen: 0.421 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23



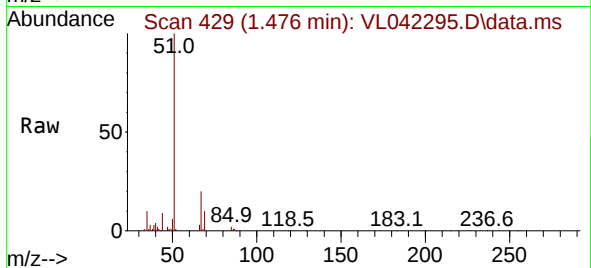
Tgt Ion: 85 Resp: 9767
Ion Ratio Lower Upper
85 100
87 33.4 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.828 ppbv m
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

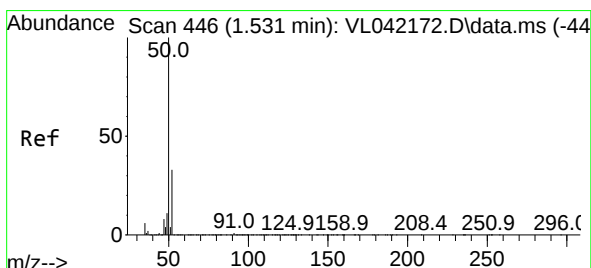
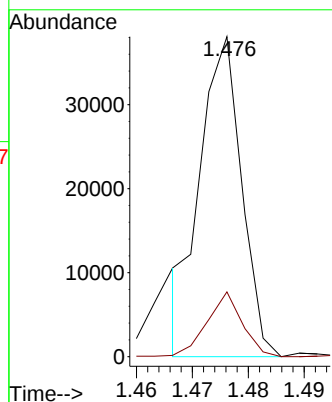
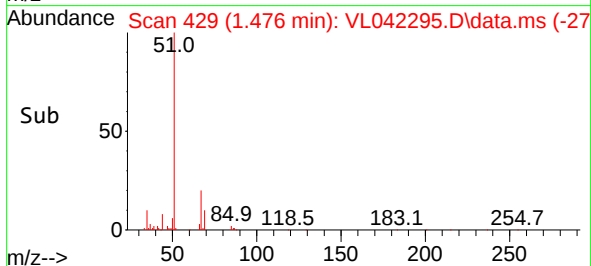
Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025



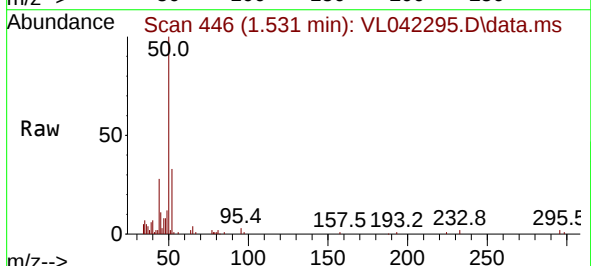
Tgt Ion: 51 Resp: 19628
Ion Ratio Lower Upper
51 100
67 17.6 15.0 22.6

Manual Integrations
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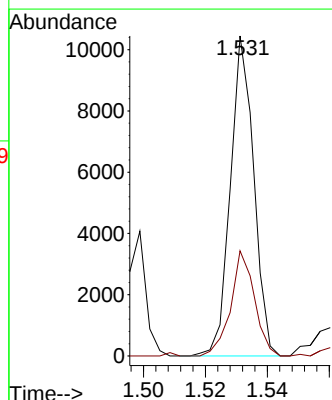
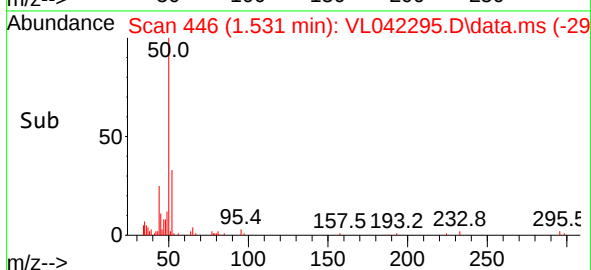
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

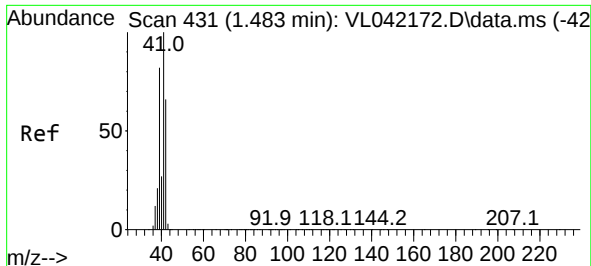


#4
Chloromethane
Concen: 0.577 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23



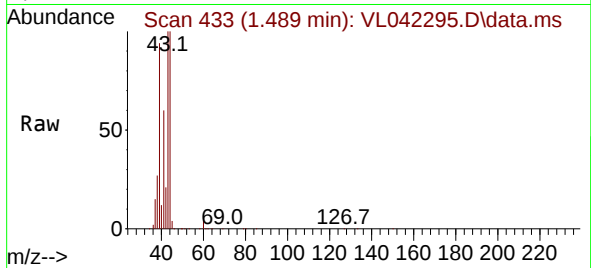
Tgt Ion: 50 Resp: 5476
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1





#9
 Propene
 Concen: 4.540 ppbv m
 RT: 1.489 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042295.D
 Acq: 09 Apr 2025 16:23

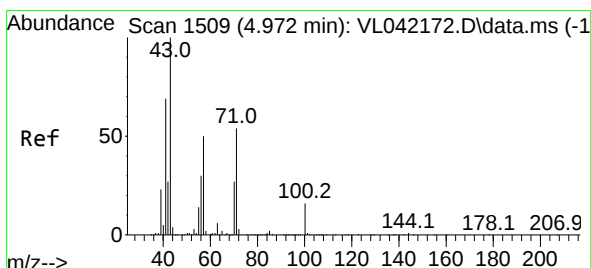
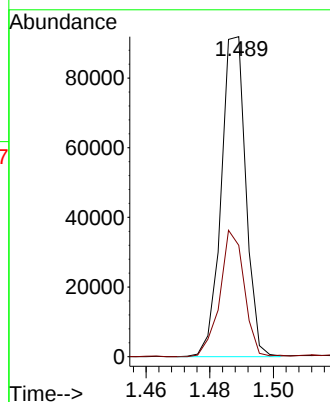
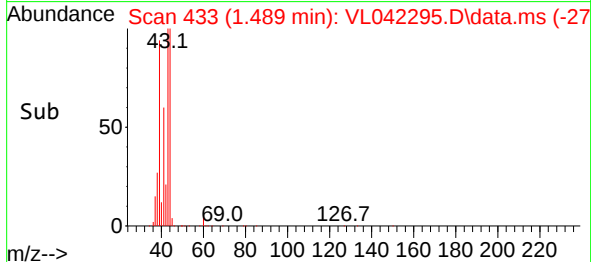
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B9-2-3242025



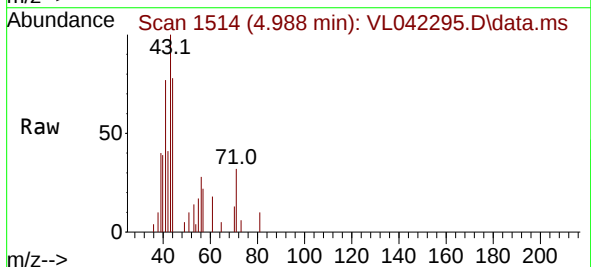
Tgt Ion: 41 Resp: 49325
 Ion Ratio Lower Upper
 41 100
 42 30.3 55.4 83.2

Manual Integrations
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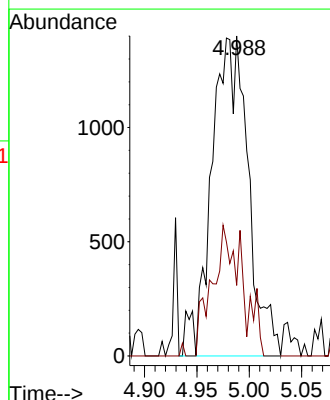
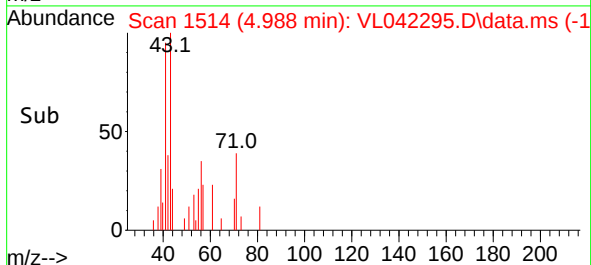
Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

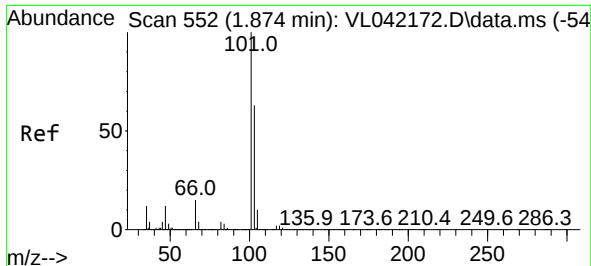


#10
 Heptane
 Concen: 0.118 ppbv m
 RT: 4.988 min Scan# 1514
 Delta R.T. 0.016 min
 Lab File: VL042295.D
 Acq: 09 Apr 2025 16:23



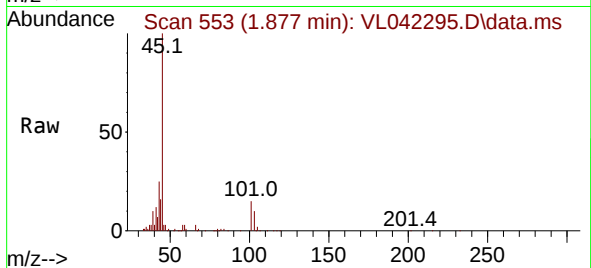
Tgt Ion: 43 Resp: 3418
 Ion Ratio Lower Upper
 43 100
 57 34.3 39.4 59.2





#11
Trichlorofluoromethane
Concen: 0.223 ppbv
RT: 1.877 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

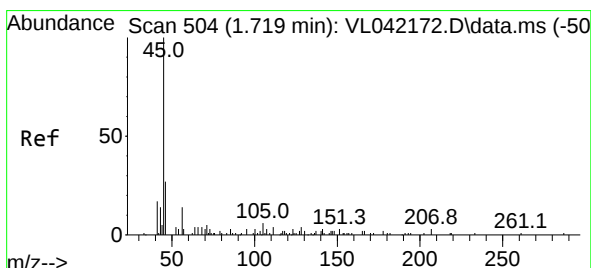
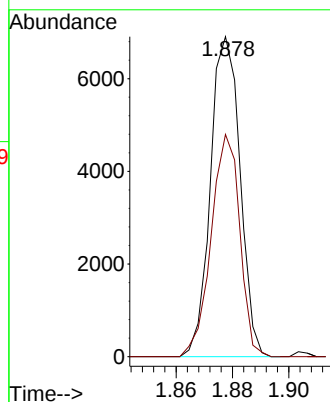
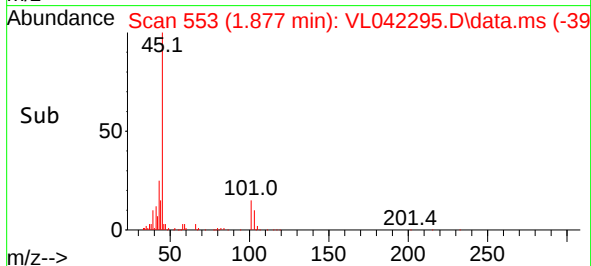
Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025



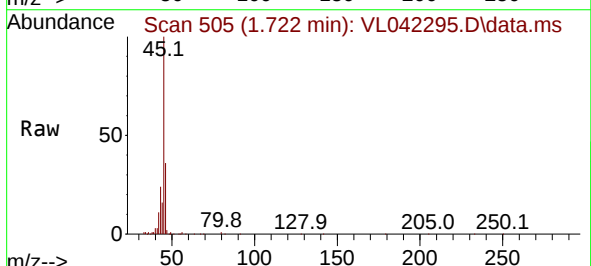
Tgt Ion:101 Resp: 5030
Ion Ratio Lower Upper
101 100
103 69.5 50.2 75.2

Manual Integrations
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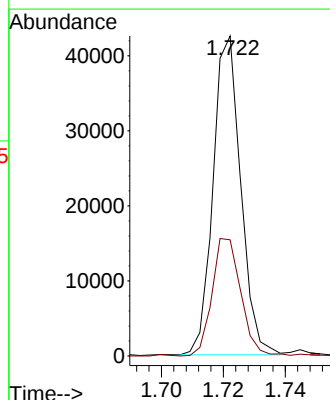
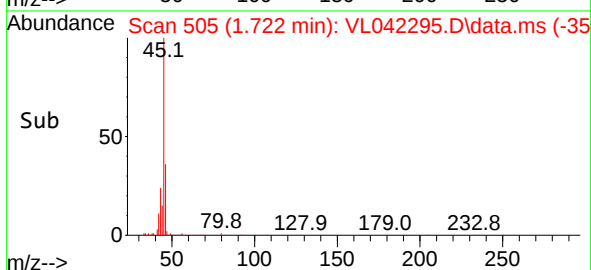
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

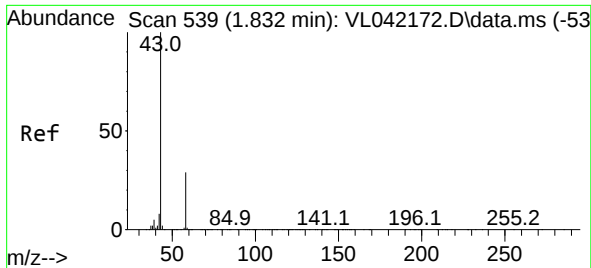


#13
Ethanol
Concen: 25.610 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23



Tgt Ion: 45 Resp: 26305
Ion Ratio Lower Upper
45 100
46 39.0 20.2 80.8





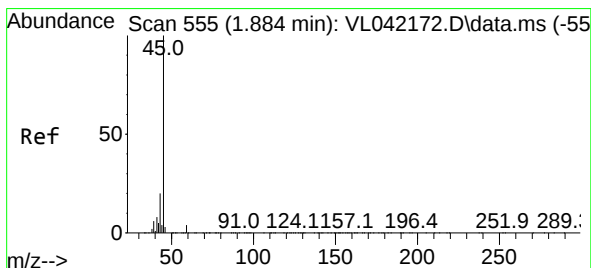
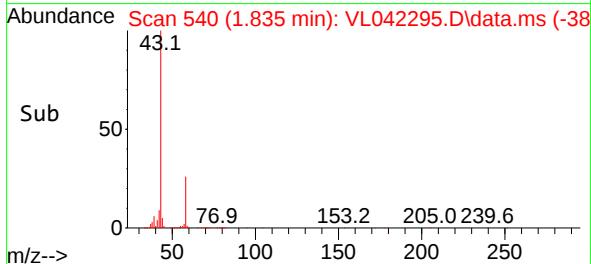
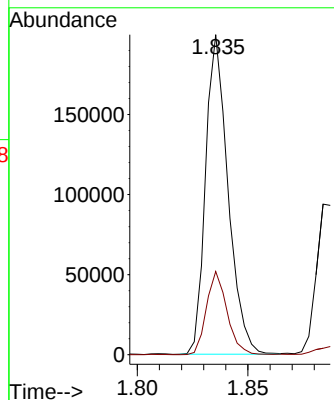
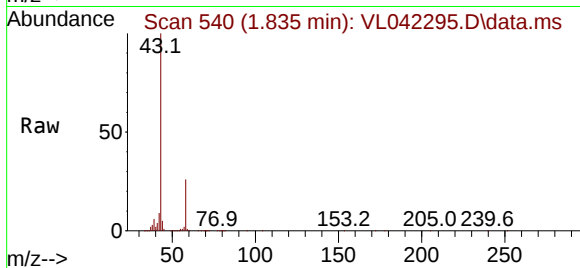
#15
Acetone
Concen: 6.406 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025

Tgt Ion: 43 Resp: 14081
Ion Ratio Lower Upper
43 100
58 24.0 23.2 34.8

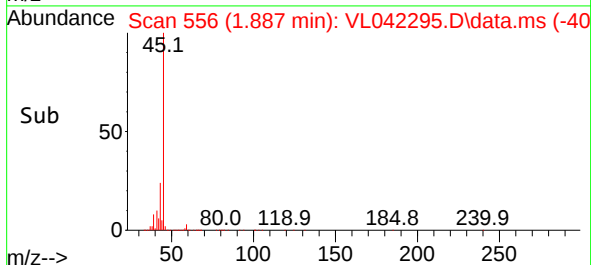
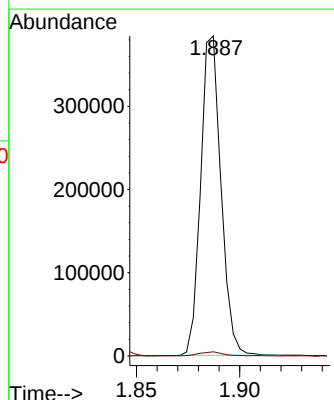
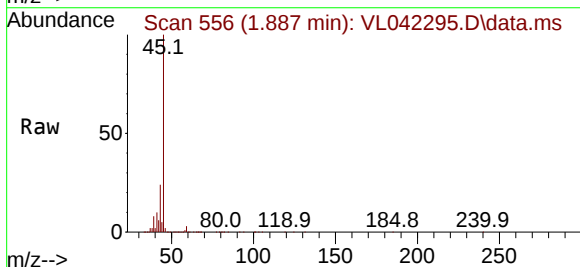
Manual Integrations
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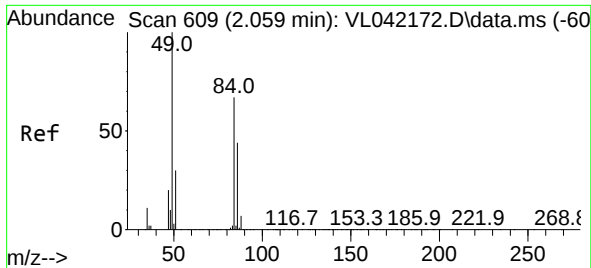
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#19
Isopropyl Alcohol
Concen: 21.158 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

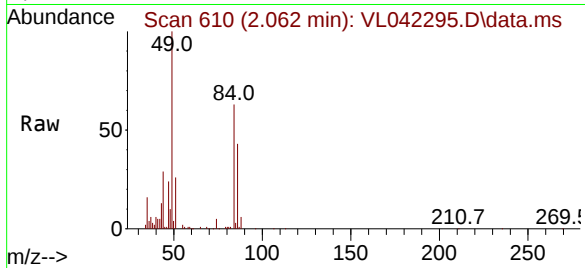
Tgt Ion: 45 Resp: 262397
Ion Ratio Lower Upper
45 100
58 1.6 36.9 55.3#





#20
Methylene Chloride
Concen: 1.173 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

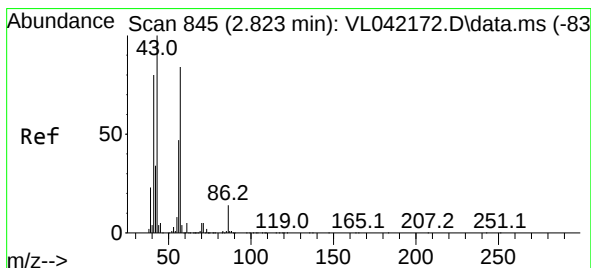
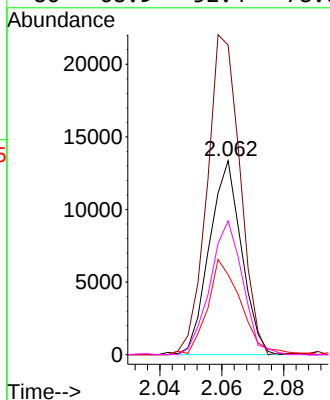
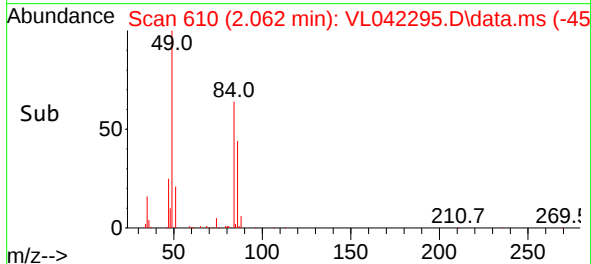
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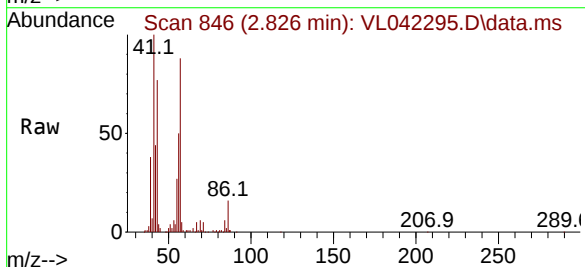
Tgt Ion: 84 Resp: 9600
Ion Ratio Lower Upper
84 100
49 158.7 120.2 180.4
51 39.5 37.4 56.0
86 68.9 52.4 78.6

Manual Integrations
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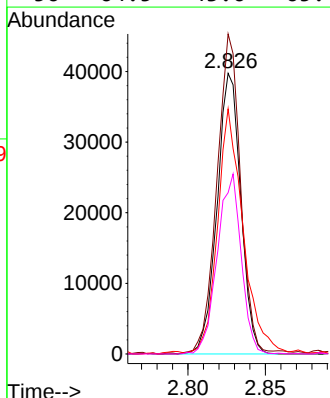
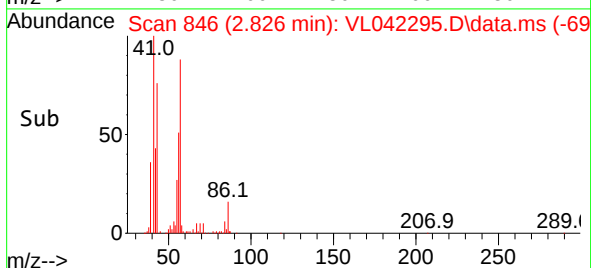
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

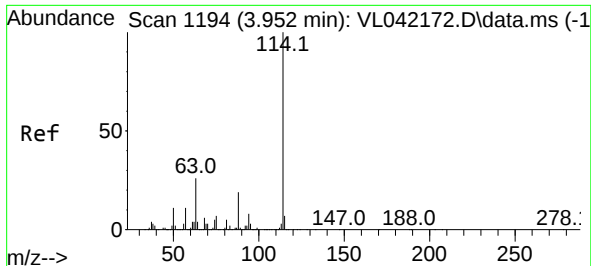


#26
Hexane
Concen: 1.924 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23



Tgt Ion: 57 Resp: 42387
Ion Ratio Lower Upper
57 100
41 114.5 76.6 114.8
43 95.4 207.8 311.8#
56 64.5 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042295.D

Acq: 09 Apr 2025 16:23

Instrument :

MSVOA_L

ClientSampleId :

IA-B9-2-3242025

Tgt Ion:114 Resp: 385580

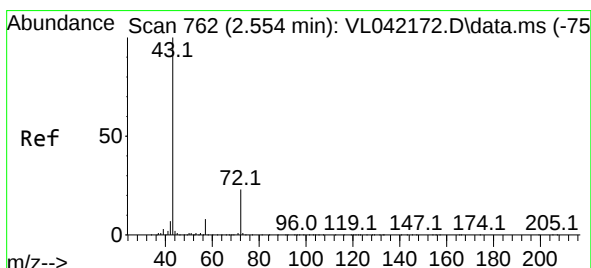
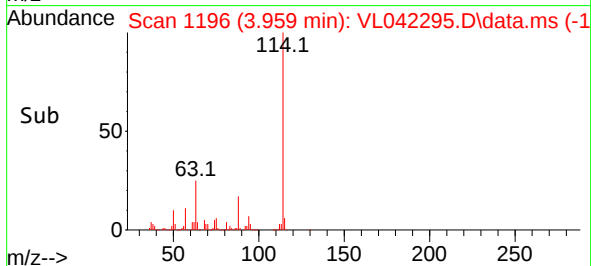
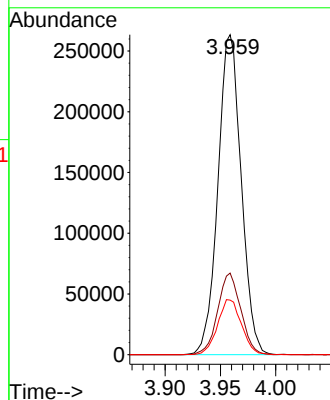
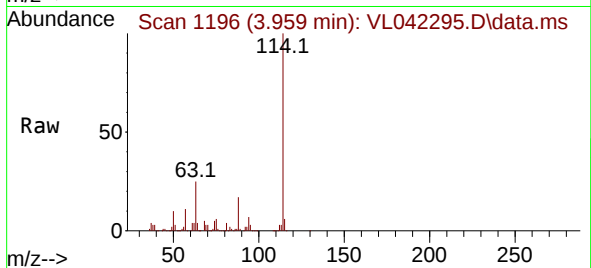
Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.7	31.1
88	17.6	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025

Supervised By :Mahesh Dadoda 04/10/2025



#34

2-Butanone

Concen: 3.186 ppbv

RT: 2.560 min Scan# 764

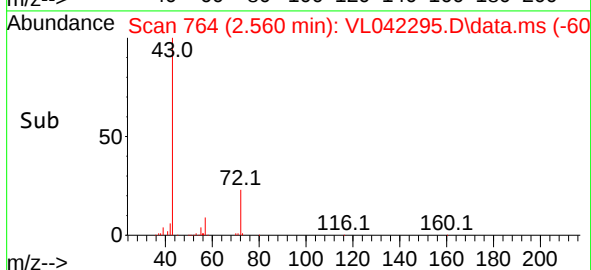
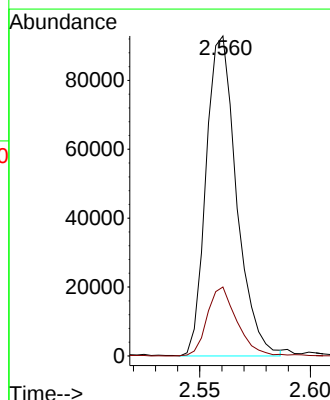
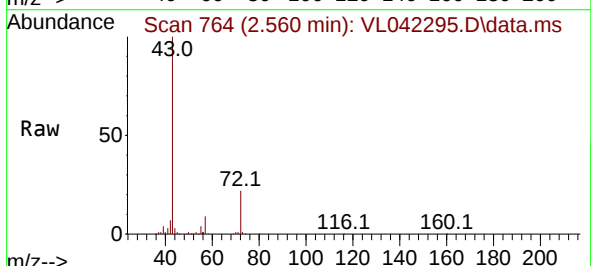
Delta R.T. 0.006 min

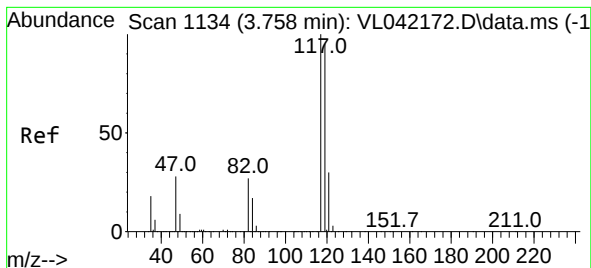
Lab File: VL042295.D

Acq: 09 Apr 2025 16:23

Tgt Ion: 43 Resp: 89072

Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.2	27.2





#35

Carbon Tetrachloride

Concen: 0.086 ppbv m

RT: 3.758 min Scan# 1134

Delta R.T. -0.000 min

Lab File: VL042295.D

Acq: 09 Apr 2025 16:23

Instrument :

MSVOA_L

ClientSampleId :

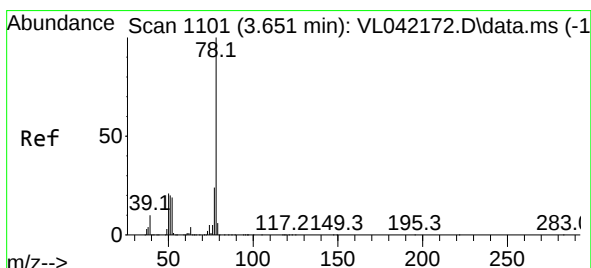
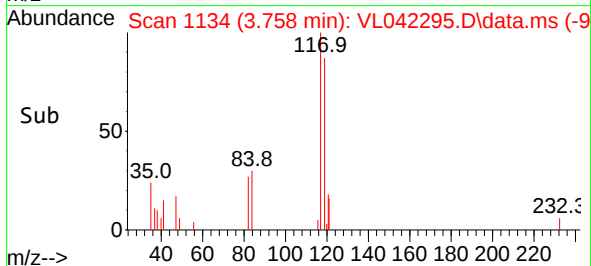
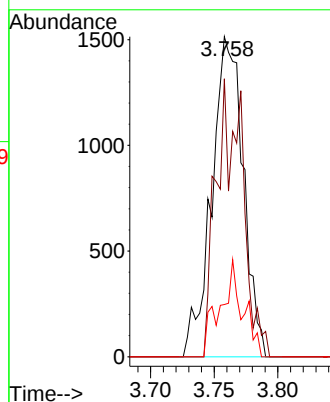
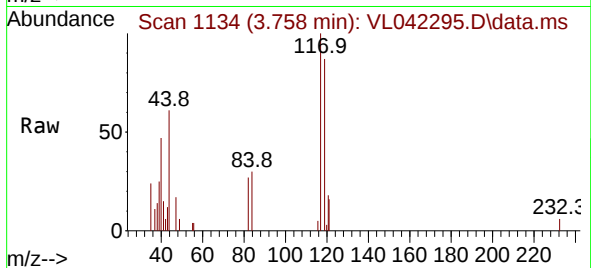
IA-B9-2-3242025

Tgt Ion:	117	Resp:	260
Ion	Ratio	Lower	Upper
117	100		
119	86.9	76.2	114.2
121	16.3	24.2	36.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#36

Benzene

Concen: 0.295 ppbv

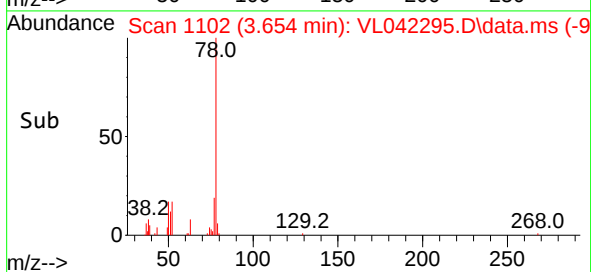
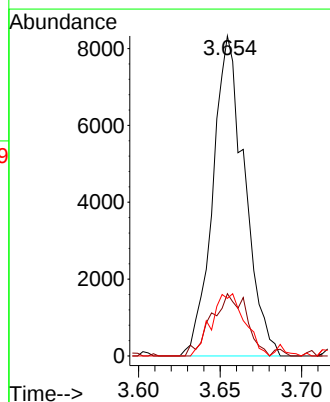
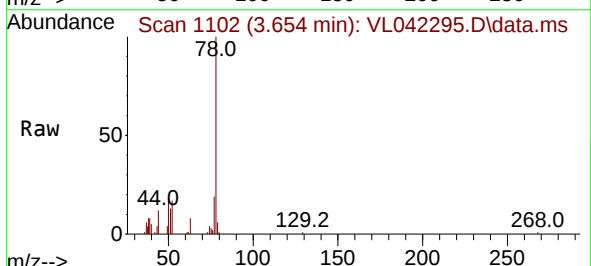
RT: 3.654 min Scan# 1102

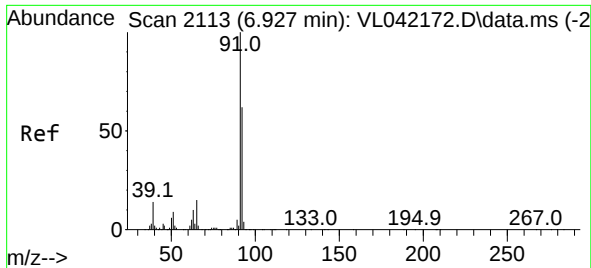
Delta R.T. 0.003 min

Lab File: VL042295.D

Acq: 09 Apr 2025 16:23

Tgt Ion:	78	Resp:	11286
Ion	Ratio	Lower	Upper
78	100		
77	19.4	19.1	28.7
50	18.0	16.6	24.8





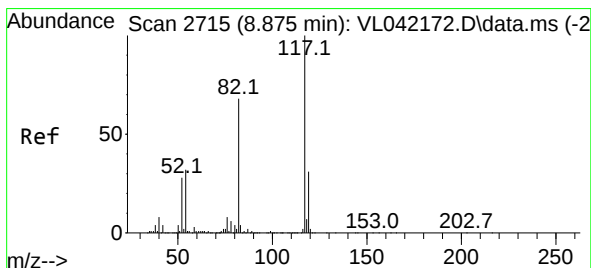
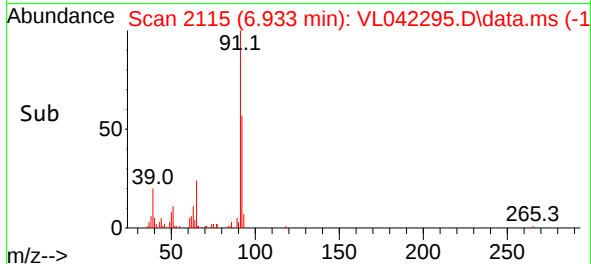
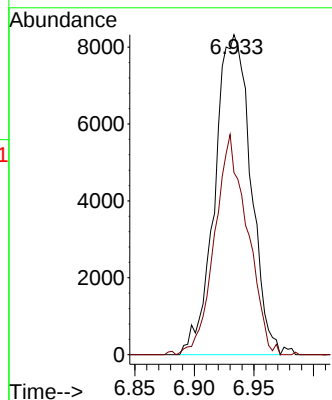
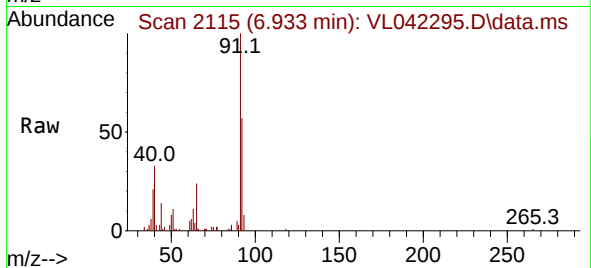
#53
Toluene
Concen: 0.386 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025

Tgt Ion: 91 Resp: 1747
Ion Ratio Lower Upper
91 100
92 62.6 48.4 72.6

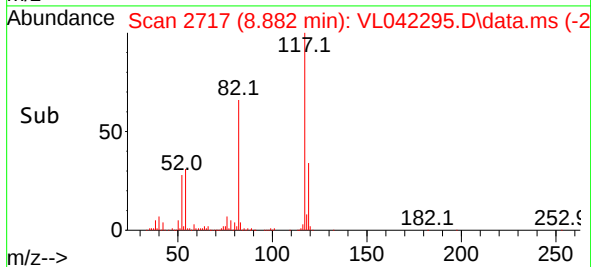
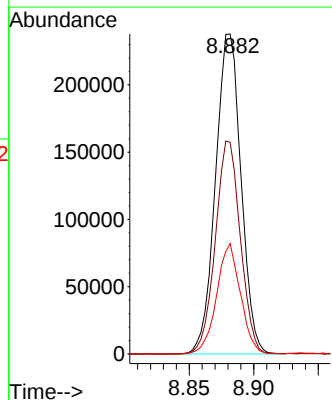
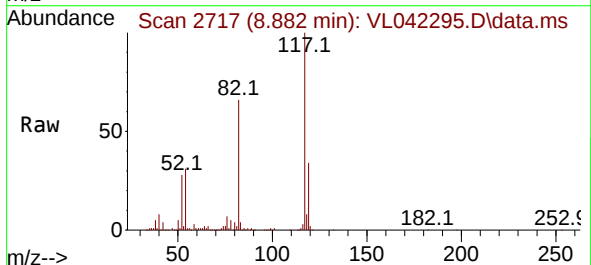
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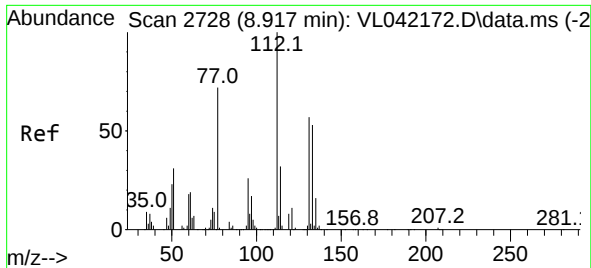
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.006 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

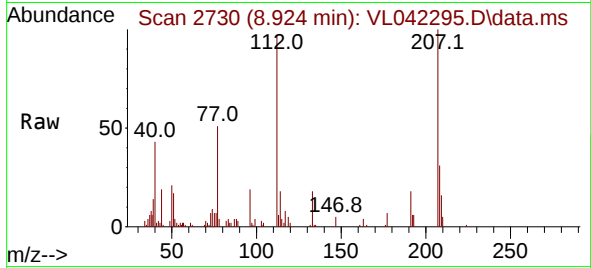
Tgt Ion:117 Resp: 326865
Ion Ratio Lower Upper
117 100
82 65.3 55.8 83.6
119 32.2 25.5 38.3





#57
Chlorobenzene
Concen: 0.203 ppbv
RT: 8.924 min Scan# 2117
Delta R.T. 0.006 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

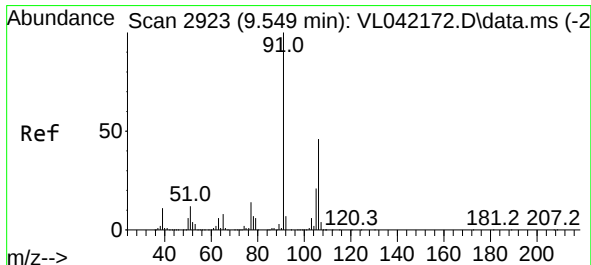
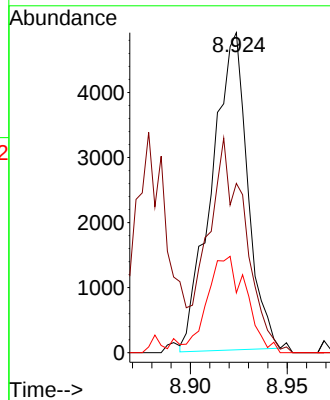
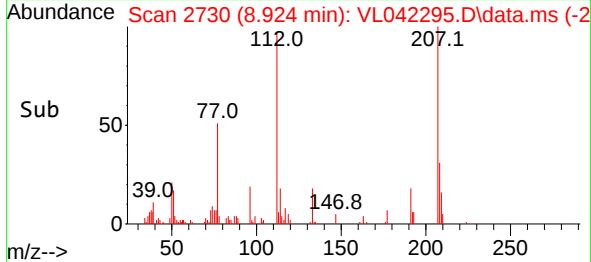
Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025



Tgt Ion:112 Resp: 6308
Ion Ratio Lower Upper
112 100
77 52.5 58.2 87.2
114 18.9 29.1 35.5

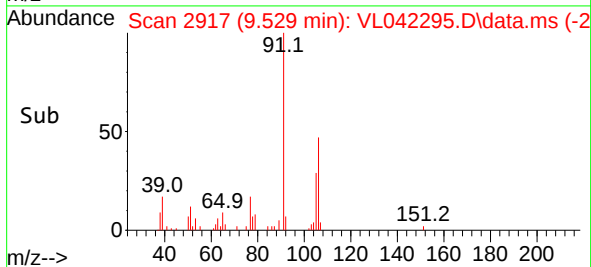
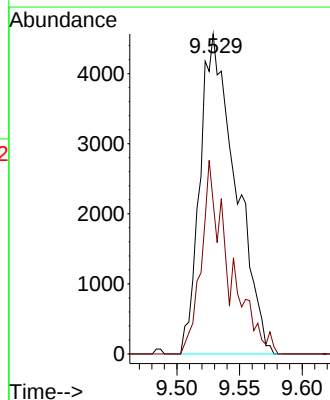
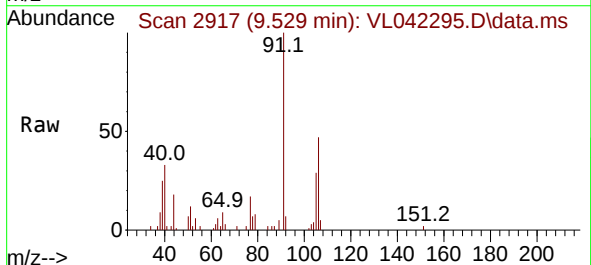
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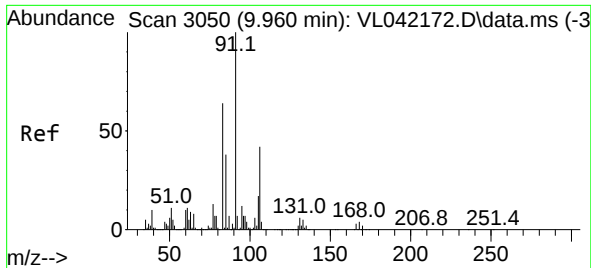
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#59
m/p-Xylene
Concen: 0.195 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.020 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

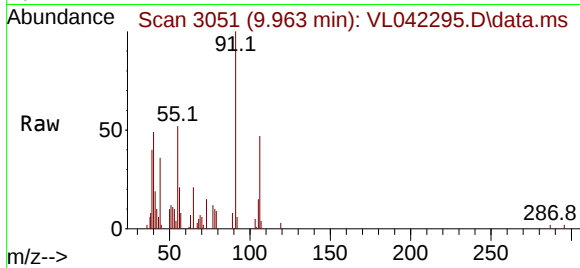
Tgt Ion: 91 Resp: 9059
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6





#60
o-Xylene
Concen: 0.103 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23

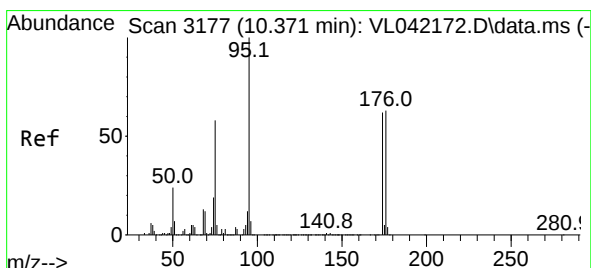
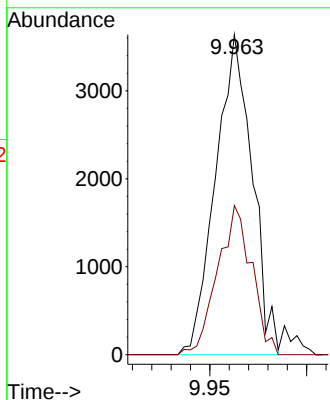
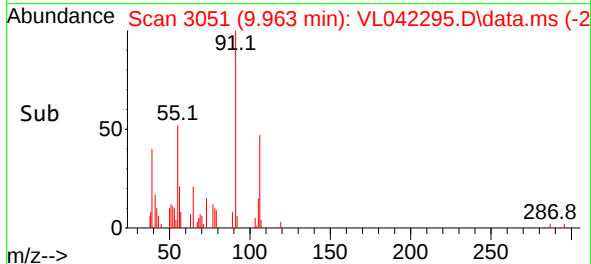
Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3242025



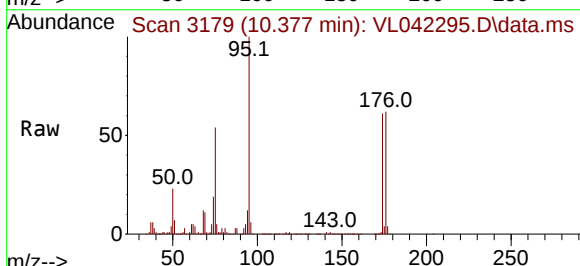
Tgt Ion: 91 Resp: 4768
Ion Ratio Lower Upper
91 100
106 43.4 20.8 62.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.709 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042295.D
Acq: 09 Apr 2025 16:23



Tgt Ion: 95 Resp: 260627
Ion Ratio Lower Upper
95 100
174 62.2 50.6 76.0
175 4.5 3.8 5.6

