

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043299.D
 Acq On : 02 Dec 2025 15:24
 Operator : SY/MD
 Sample : Q3744-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 00:07:32 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	2.800	49	129385	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.975	114	319493	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.894	117	240844	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	164486	9.317	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	8737	0.479	ppbv	92
3) Chlorodifluoromethane	1.483	51	4941m	0.275	ppbv	
4) Chloromethane	1.538	50	3568	0.523	ppbv	100
9) Propene	1.492	41	5856	0.768	ppbv #	1
11) Trichlorofluoromethane	1.887	101	4663m	0.264	ppbv	
13) Ethanol	1.729	45	17353	6.475	ppbv	91
15) Acetone	1.845	43	52693	2.931	ppbv	96
19) Isopropyl Alcohol	1.894	45	9219	0.908	ppbv #	1
20) Methylene Chloride	2.072	84	6113	0.401	ppbv	93
26) Hexane	2.842	57	3737m	0.220	ppbv	
34) 2-Butanone	2.567	43	3982	0.177	ppbv #	89
35) Carbon Tetrachloride	3.781	117	2023m	0.083	ppbv	
36) Benzene	3.671	78	5666	0.185	ppbv #	84
44) 2,2,4-Trimethylpentane	4.661	57	6449m	0.123	ppbv	
53) Toluene	6.952	91	7648m	0.211	ppbv	

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

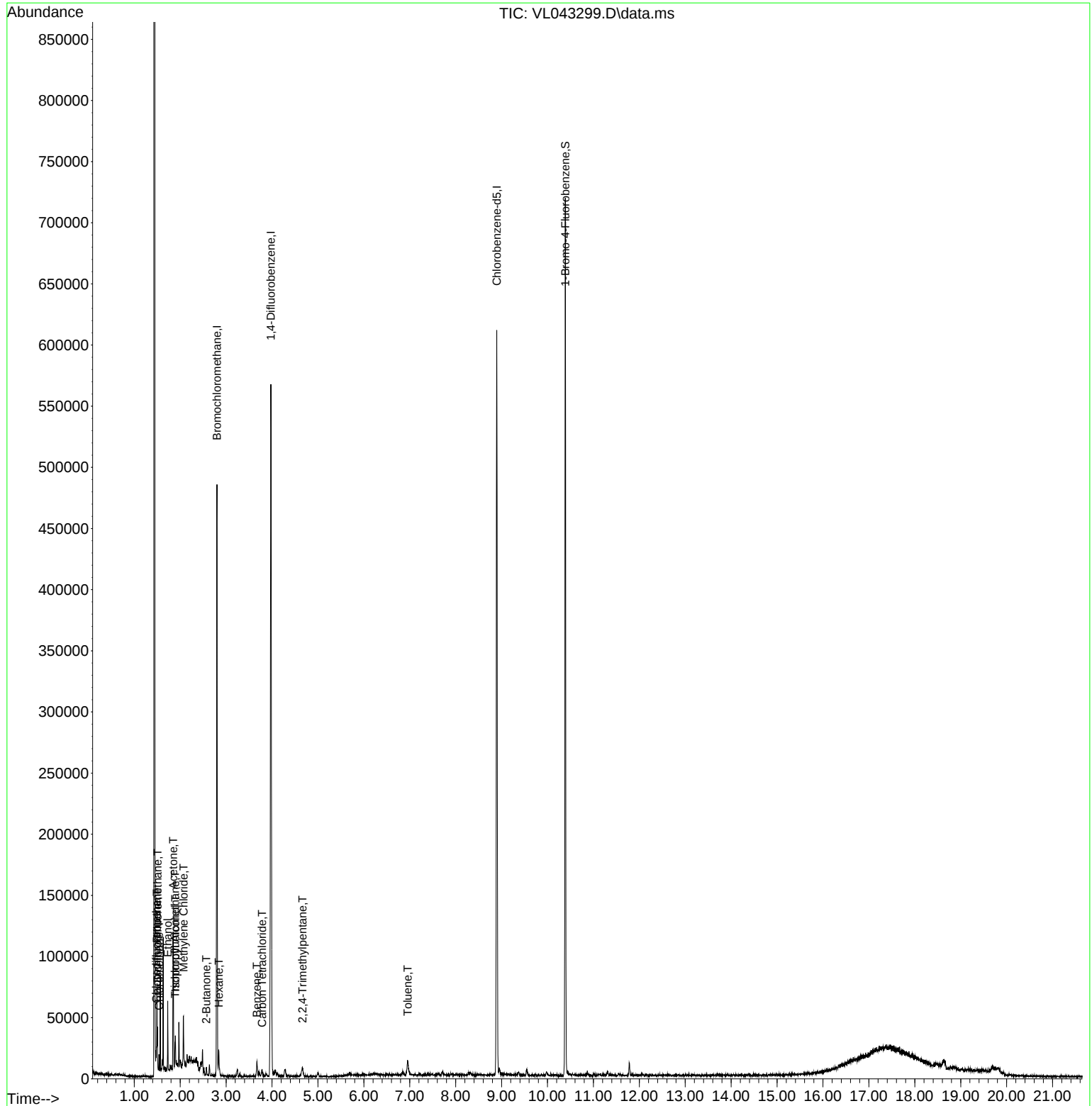
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
Data File : VL043299.D
Acq On : 02 Dec 2025 15:24
Operator : SY/MD
Sample : Q3744-05
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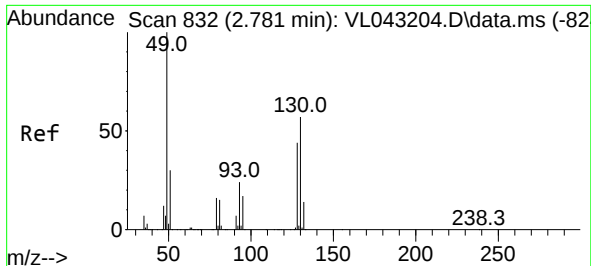
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Dec 03 00:07:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
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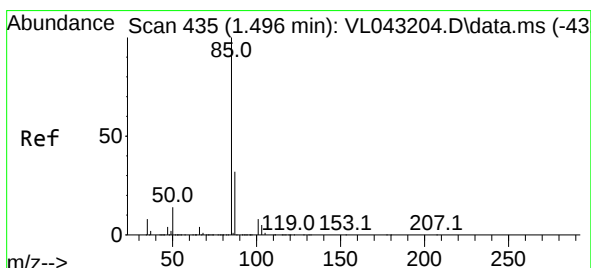
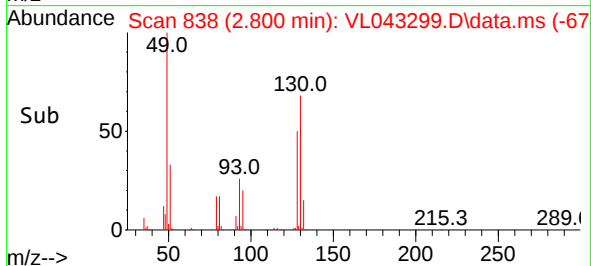
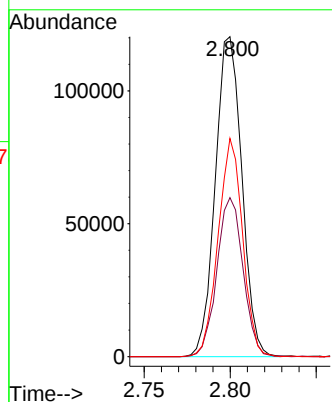
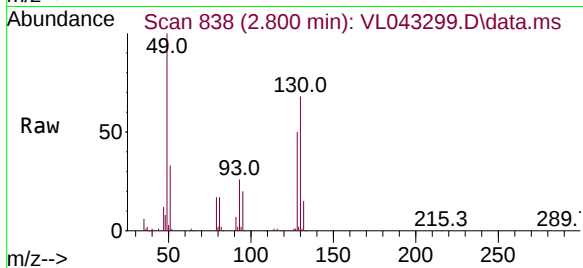
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 832
Delta R.T. 0.019 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 129385
Ion Ratio Lower Upper
49 100
128 48.9 23.0 69.0
130 62.8 29.9 89.7

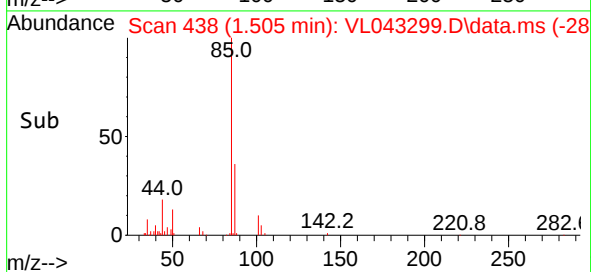
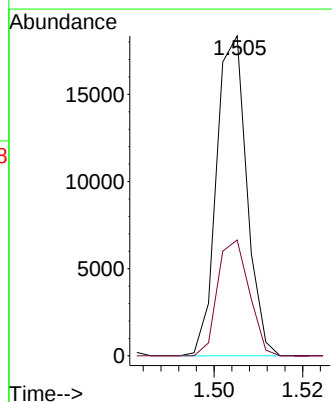
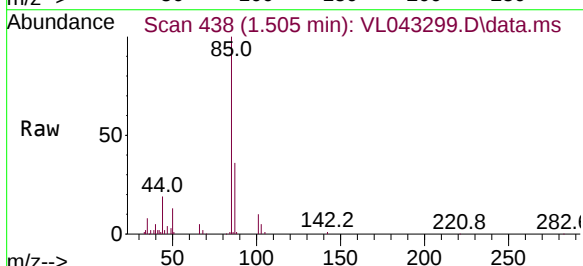
Manual Integrations
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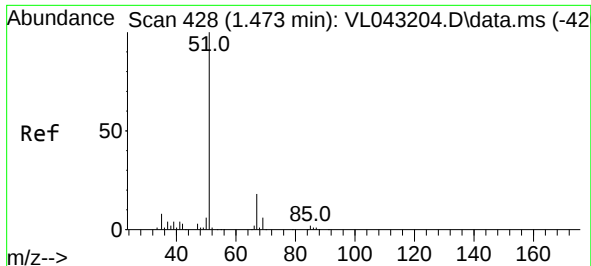
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#2
Dichlorodifluoromethane
Concen: 0.479 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Tgt Ion: 85 Resp: 8737
Ion Ratio Lower Upper
85 100
87 36.2 25.4 38.2





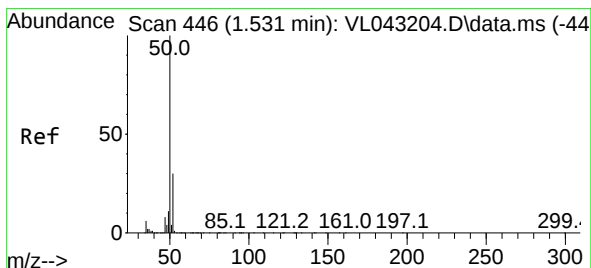
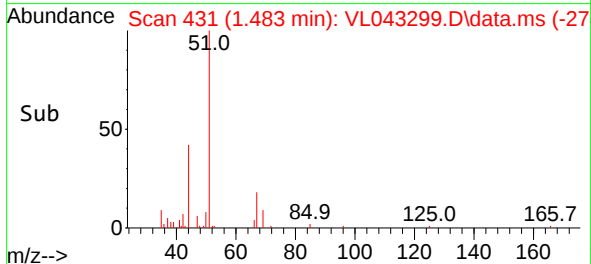
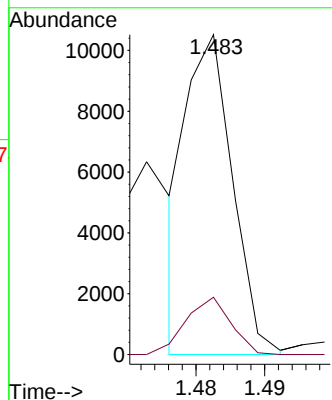
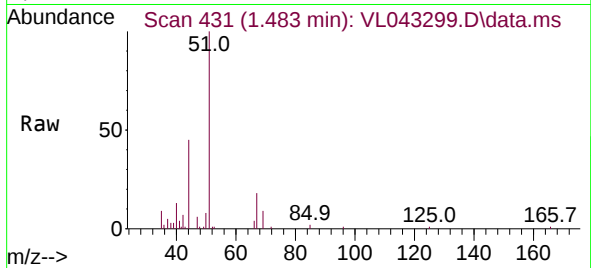
#3
Chlorodifluoromethane
Concen: 0.275 ppbv m
RT: 1.483 min Scan# 431
Delta R.T. 0.009 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 494
Ion Ratio Lower Upper
51 100
67 1.2 14.9 22.3

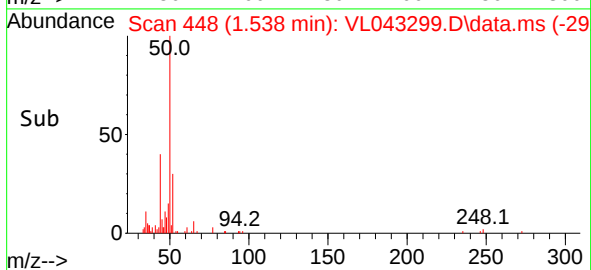
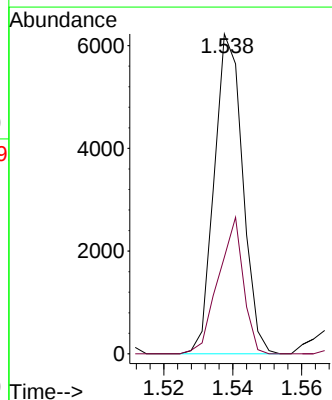
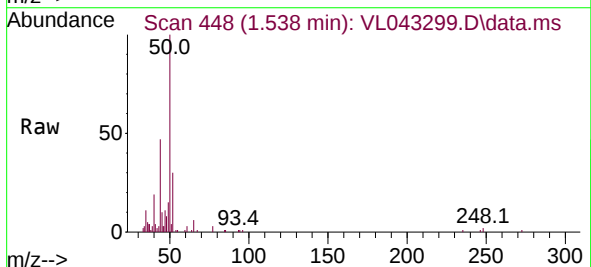
Manual Integrations
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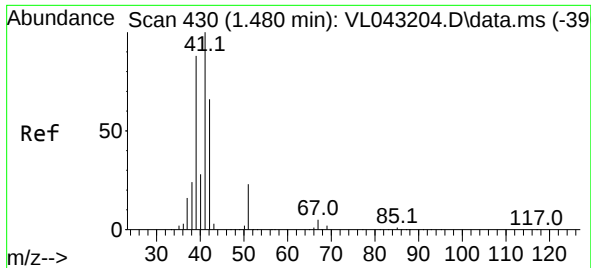
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#4
Chloromethane
Concen: 0.523 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

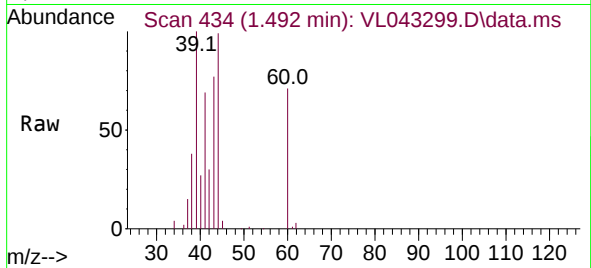
Tgt Ion: 50 Resp: 3568
Ion Ratio Lower Upper
50 100
52 30.2 24.1 36.1





#9
 Propene
 Concen: 0.768 ppbv
 RT: 1.492 min Scan# 431
 Delta R.T. 0.013 min
 Lab File: VL043299.D
 Acq: 02 Dec 2025 15:24

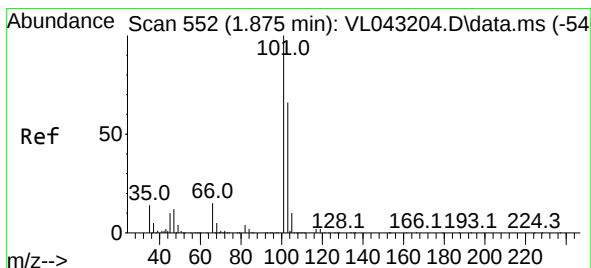
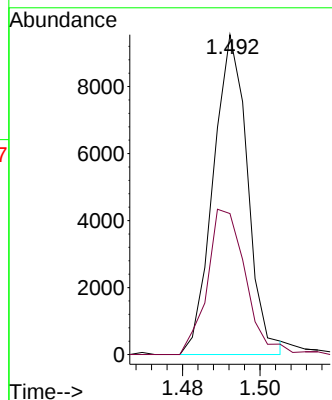
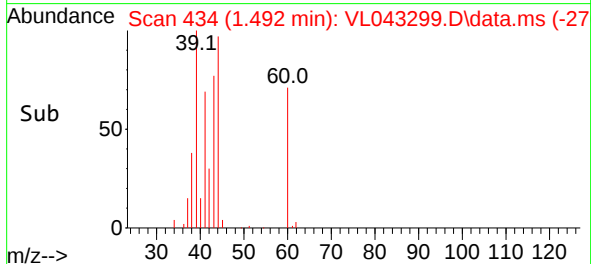
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



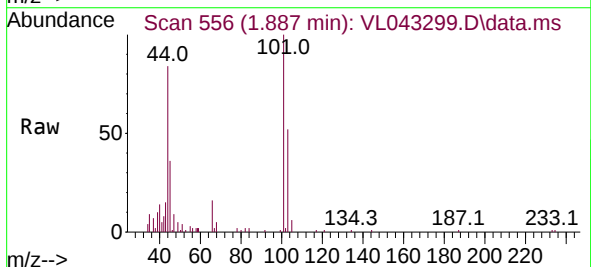
Tgt Ion: 41 Resp: 5856
 Ion Ratio Lower Upper
 41 100
 42 51.0 3.7 5.5

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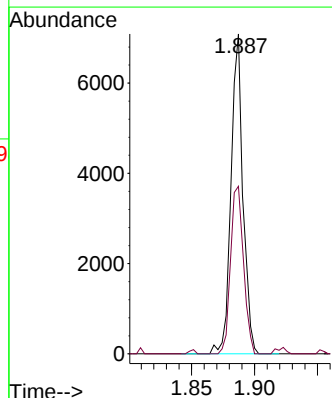
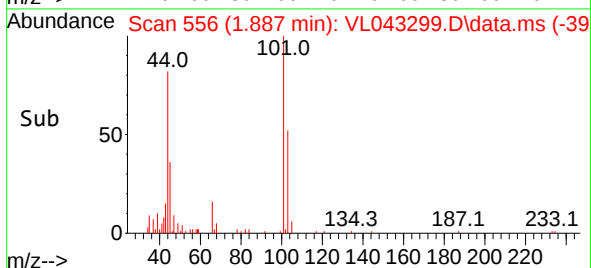
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

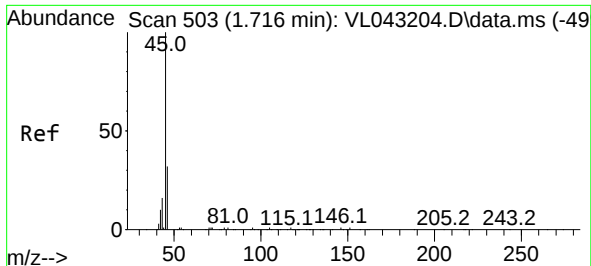


#11
 Trichlorofluoromethane
 Concen: 0.264 ppbv m
 RT: 1.887 min Scan# 556
 Delta R.T. 0.013 min
 Lab File: VL043299.D
 Acq: 02 Dec 2025 15:24



Tgt Ion:101 Resp: 4663
 Ion Ratio Lower Upper
 101 100
 103 52.4 52.6 79.0#





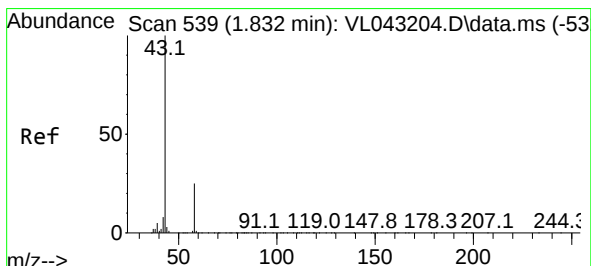
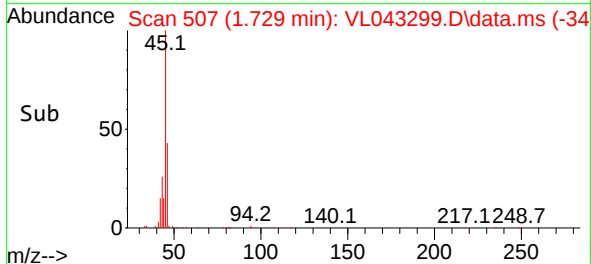
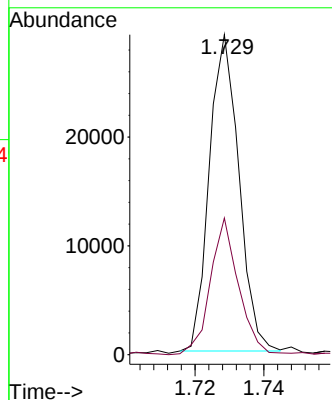
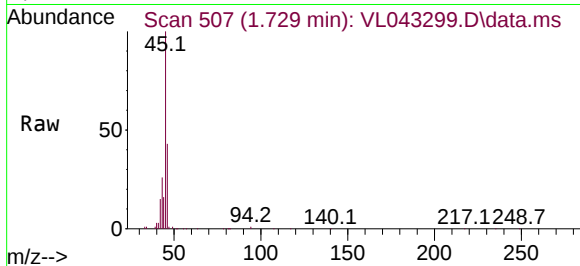
#13
Ethanol
Concen: 6.475 ppbv
RT: 1.729 min Scan# 503
Delta R.T. 0.013 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 17353
Ion Ratio Lower Upper
45 100
46 42.8 15.0 59.8

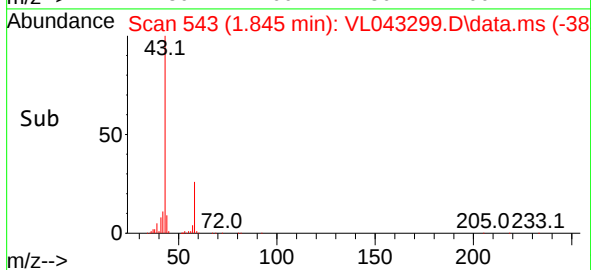
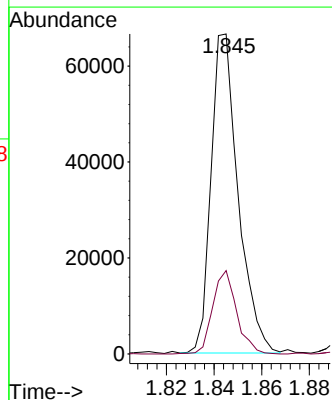
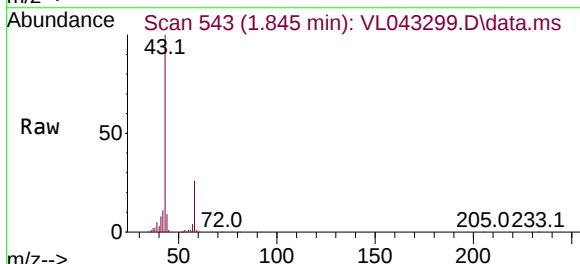
Manual Integrations
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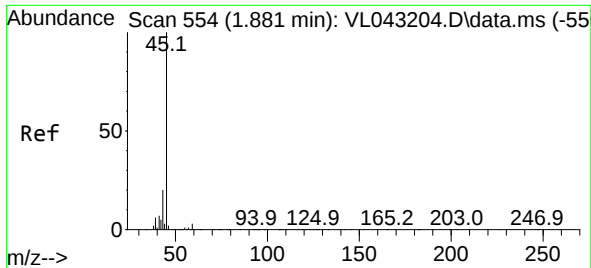
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#15
Acetone
Concen: 2.931 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Tgt Ion: 43 Resp: 52693
Ion Ratio Lower Upper
43 100
58 23.7 20.7 31.1





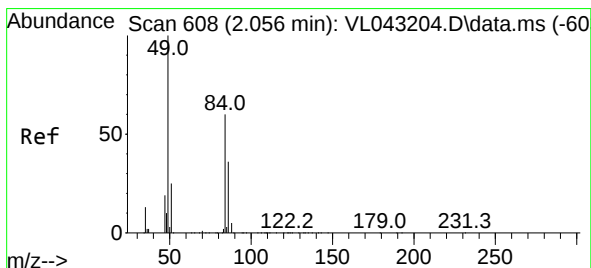
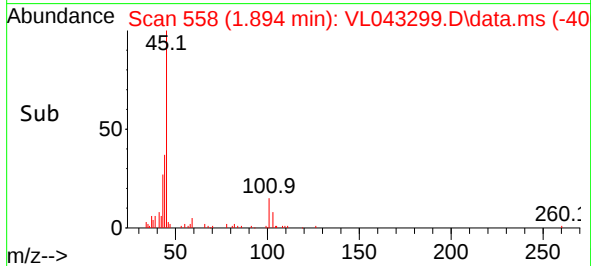
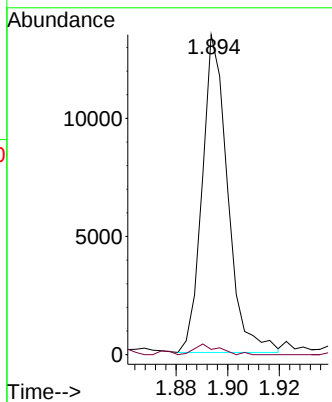
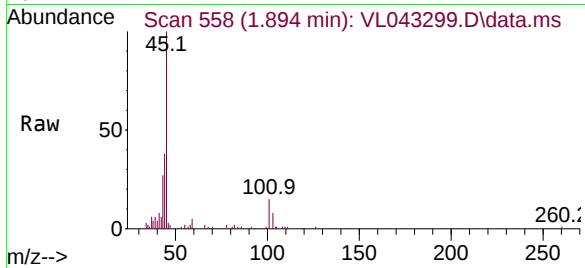
#19
Isopropyl Alcohol
Concen: 0.908 ppbv
RT: 1.894 min Scan# 519
Delta R.T. 0.013 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 9219
Ion Ratio Lower Upper
45 100
58 131.8 31.3 46.9

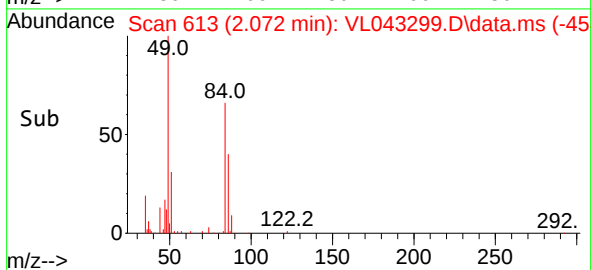
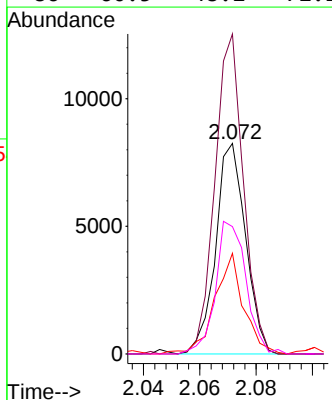
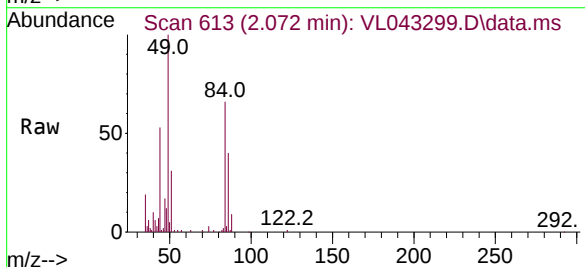
Manual Integrations
APPROVED

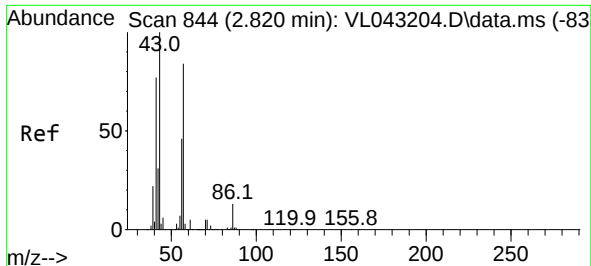
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#20
Methylene Chloride
Concen: 0.401 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.016 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

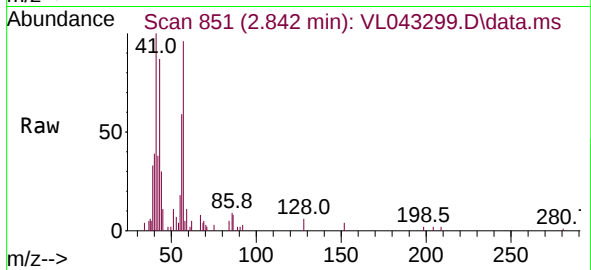
Tgt Ion: 84 Resp: 6113
Ion Ratio Lower Upper
84 100
49 152.1 132.9 199.3
51 47.0 34.8 52.2
86 60.5 48.2 72.2





#26
Hexane
Concen: 0.220 ppbv m
RT: 2.842 min Scan# 844
Delta R.T. 0.022 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

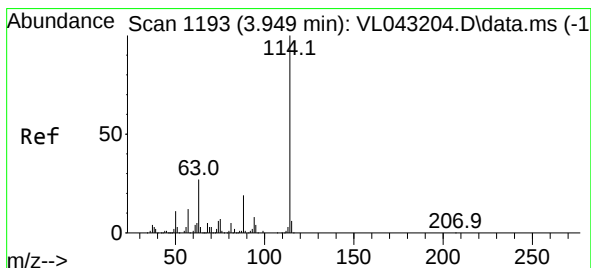
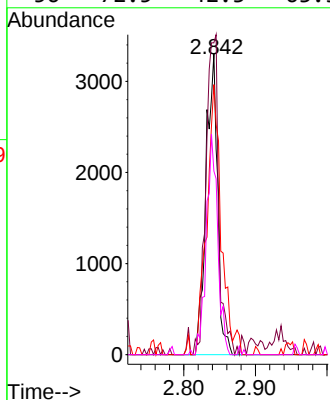
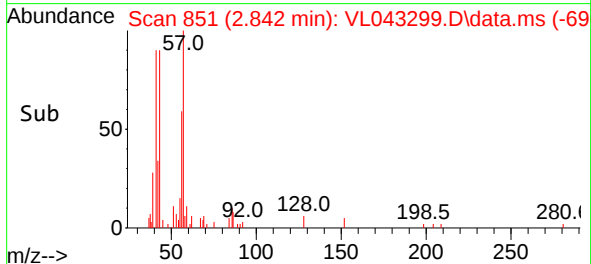
Instrument :
MSVOA_L
ClientSampleId :
OA1



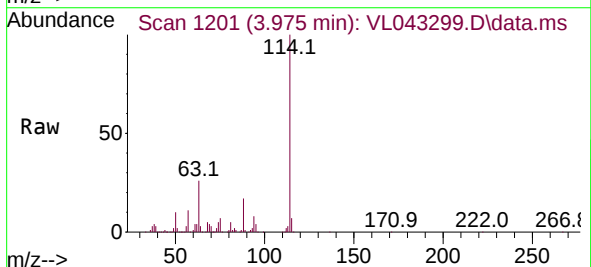
Tgt Ion: 57 Resp: 373
Ion Ratio Lower Upper
57 100
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43 113.8 179.0 268.4
56 72.5 42.3 63.5

Manual Integrations
APPROVED

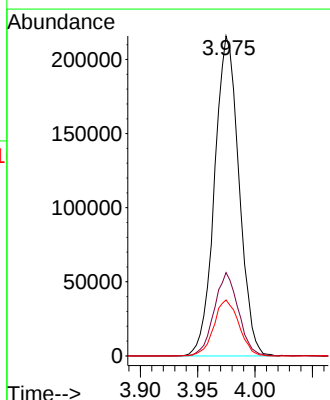
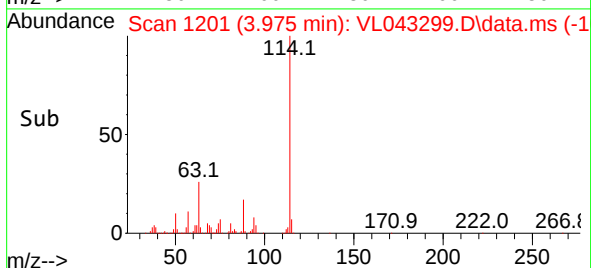
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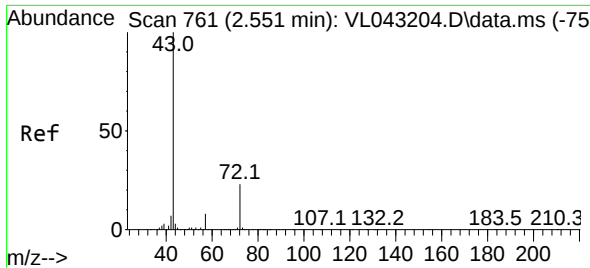


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.026 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24



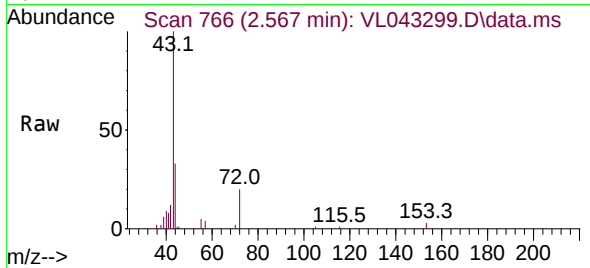
Tgt Ion:114 Resp: 319493
Ion Ratio Lower Upper
114 100
63 25.8 21.0 31.6
88 17.9 14.9 22.3





#34
2-Butanone
Concen: 0.177 ppbv
RT: 2.567 min Scan# 70
Delta R.T. 0.016 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

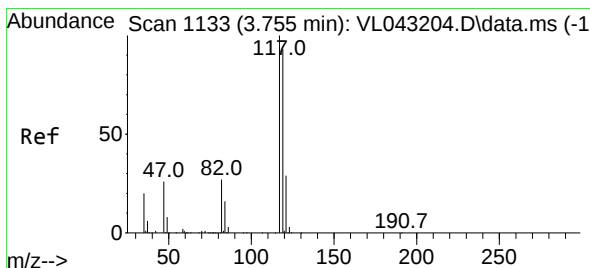
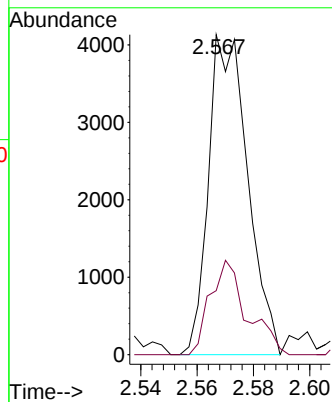
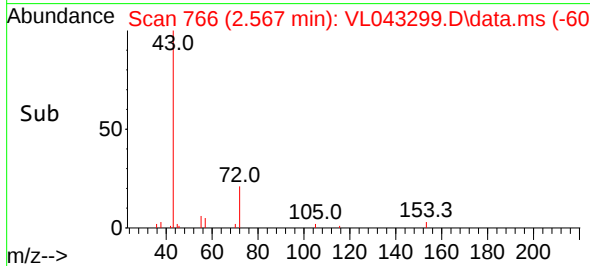
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 3982
Ion Ratio Lower Upper
43 100
72 27.7 18.1 27.1

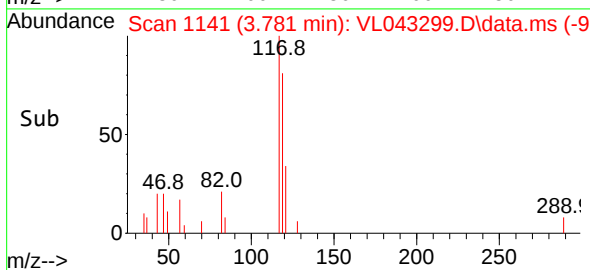
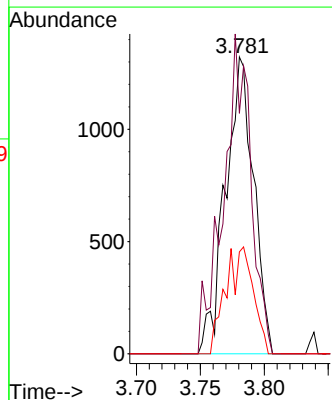
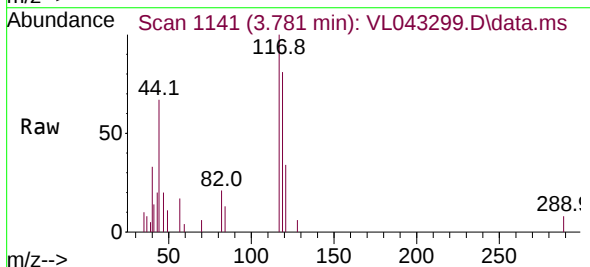
Manual Integrations
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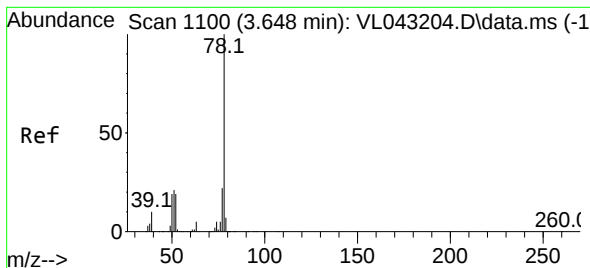
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 3.781 min Scan# 1141
Delta R.T. 0.026 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Tgt Ion:117 Resp: 2023
Ion Ratio Lower Upper
117 100
119 81.0 74.6 112.0
121 34.3 23.2 34.8





#36

Benzene

Concen: 0.185 ppbv

RT: 3.671 min Scan# 1100

Delta R.T. 0.022 min

Lab File: VL043299.D

Acq: 02 Dec 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

OA1

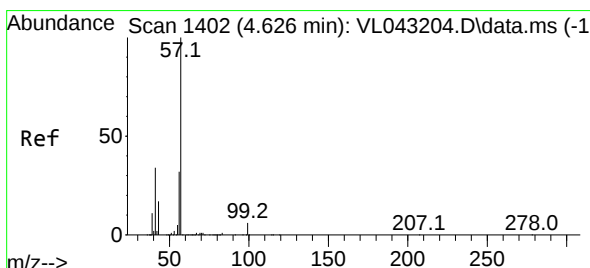
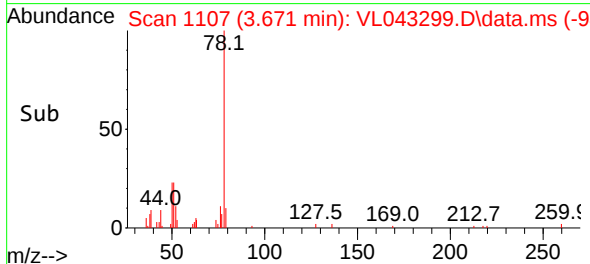
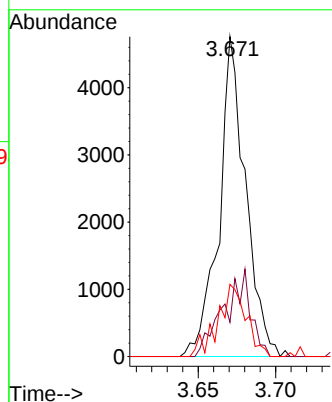
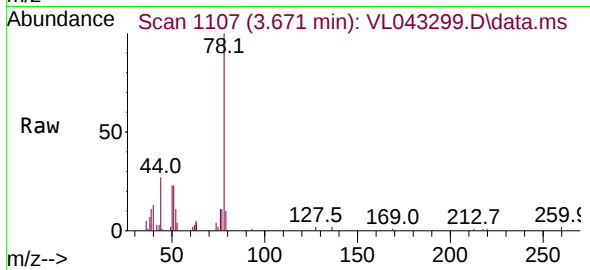
Tgt Ion: 78 Resp: 566

Ion	Ratio	Lower	Upper
78	100		
77	10.7	17.5	26.3
50	22.6	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#44

2,2,4-Trimethylpentane

Concen: 0.123 ppbv m

RT: 4.661 min Scan# 1413

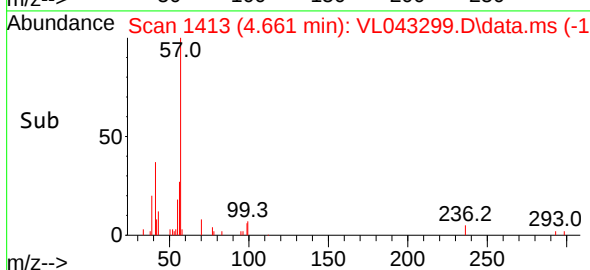
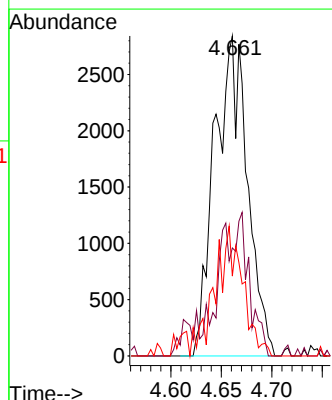
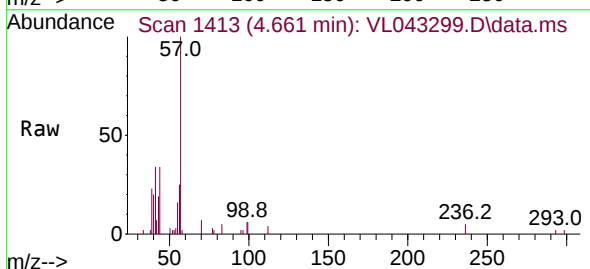
Delta R.T. 0.035 min

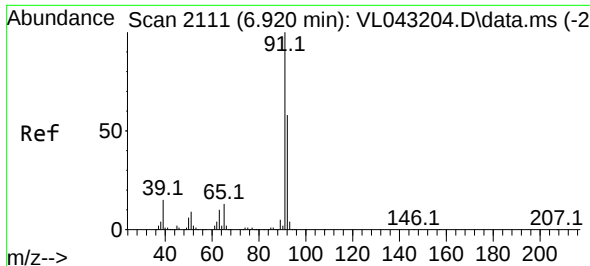
Lab File: VL043299.D

Acq: 02 Dec 2025 15:24

Tgt Ion: 57 Resp: 6449

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.0	42.0
56	37.2	25.6	38.4





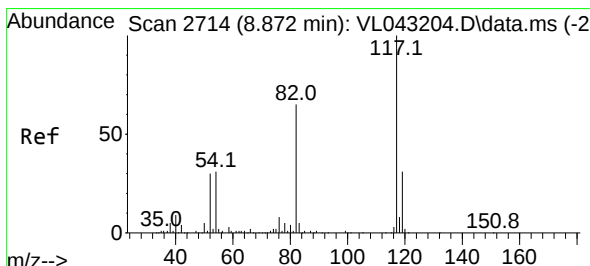
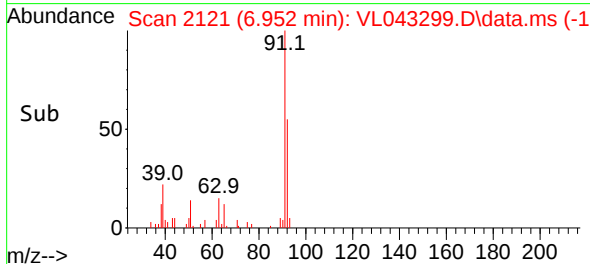
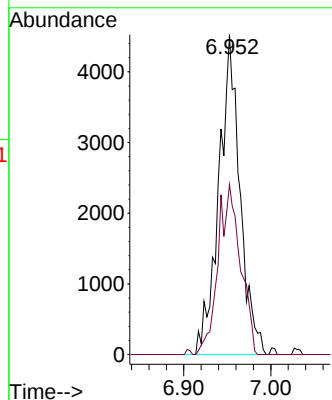
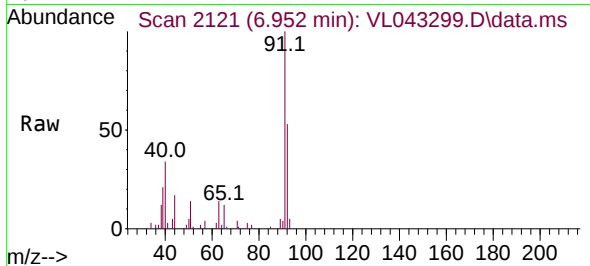
#53
Toluene
Concen: 0.211 ppbv m
RT: 6.952 min Scan# 2111
Delta R.T. 0.032 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 7648
Ion Ratio Lower Upper
91 100
92 56.6 47.4 71.0

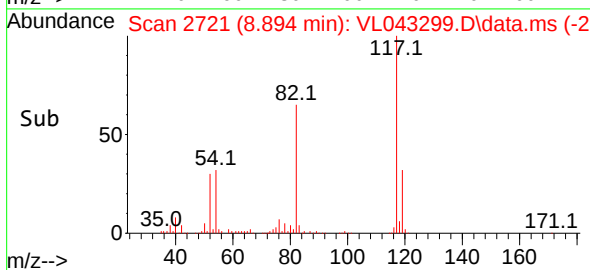
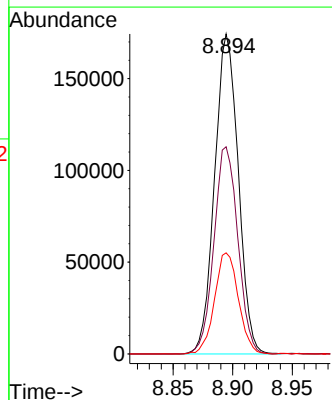
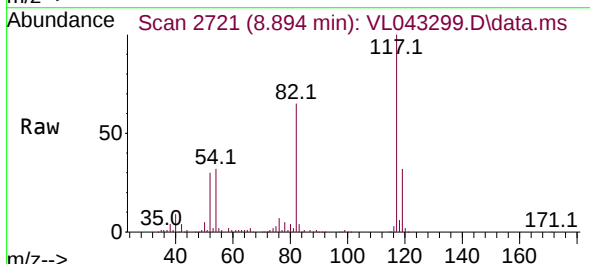
Manual Integrations
APPROVED

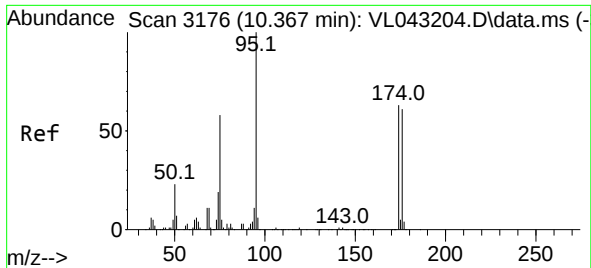
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. 0.022 min
Lab File: VL043299.D
Acq: 02 Dec 2025 15:24

Tgt Ion:117 Resp: 240844
Ion Ratio Lower Upper
117 100
82 65.6 56.1 84.1
119 32.0 25.0 37.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.317 ppbv

RT: 10.387 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL043299.D

Acq: 02 Dec 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 95 Resp: 164486

Ion Ratio Lower Upper

95 100

174 67.9 50.2 75.2

175 5.0 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025

