

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042297.D
 Acq On : 09 Apr 2025 17:31
 Operator : SY/MD
 Sample : Q1757-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Apr 10 01:47:21 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	2.784	49	158267	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	382470	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	324963	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	255572	9.577	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.800%
Target Compounds						
						Qvalue
11) Trichlorofluoromethane	1.871	101	5197	0.229	ppbv	90
13) Ethanol	1.719	45	68354	66.083	ppbv	80
15) Acetone	1.835	43	93369	4.218	ppbv	92
17) tert-Butyl alcohol	2.043	59	17471m	0.634	ppbv	
19) Isopropyl Alcohol	1.884	45	394134	31.559	ppbv #	32
20) Methylene Chloride	2.059	84	12419	1.506	ppbv	90
26) Hexane	2.829	57	2900	0.131	ppbv #	59
34) 2-Butanone	2.557	43	13691	0.494	ppbv	94
35) Carbon Tetrachloride	3.758	117	2305m	0.077	ppbv	
41) Tetrahydrofuran	3.065	42	4148m	0.260	ppbv	
53) Toluene	6.927	91	15853	0.353	ppbv	97

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

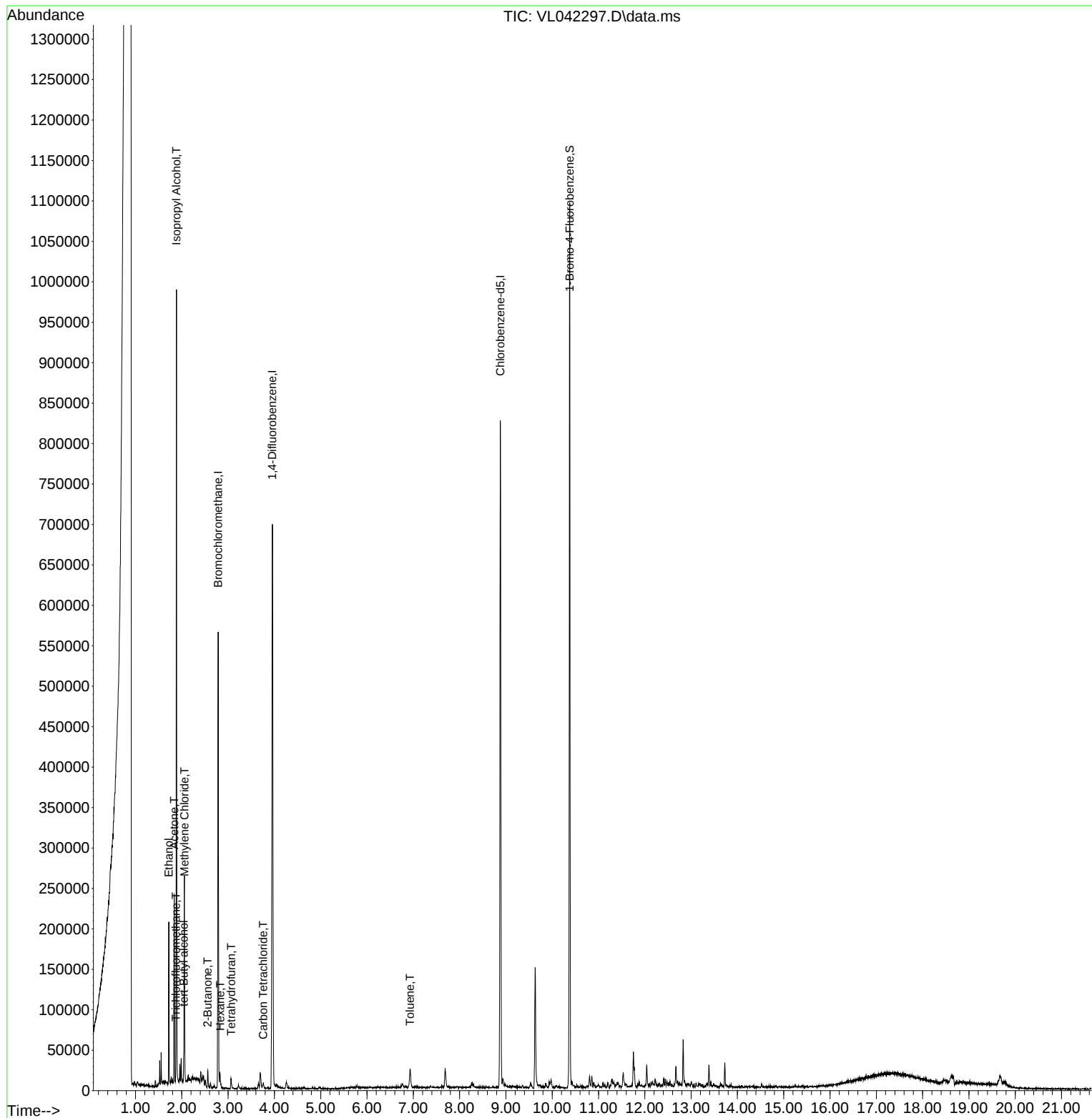
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
Data File : VL042297.D
Acq On : 09 Apr 2025 17:31
Operator : SY/MD
Sample : Q1757-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

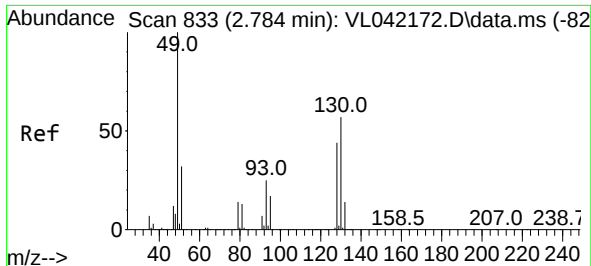
Instrument :
MSVOA_L
ClientSampleId :
IA1

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Supervised By :Mahesh Dadoda 04/10/2025

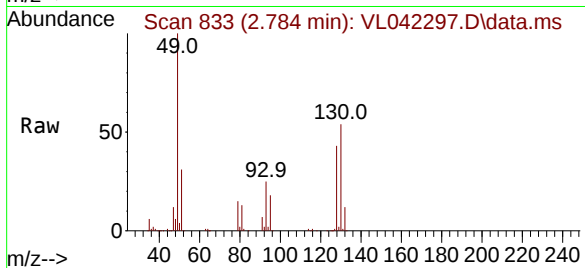
Quant Time: Apr 10 01:47:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

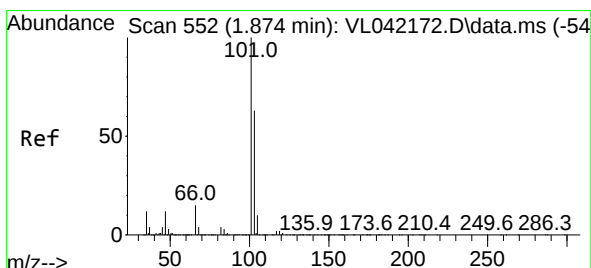
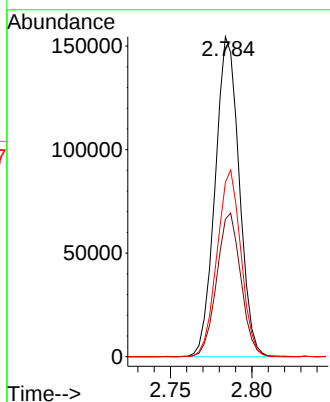
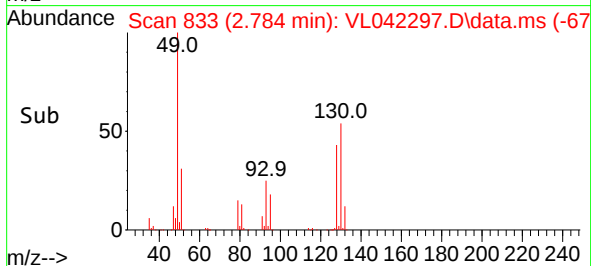
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 15826
Ion Ratio Lower Upper
49 100
128 45.0 22.9 68.5
130 58.0 28.8 86.4

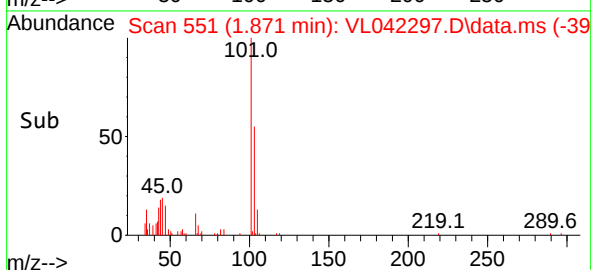
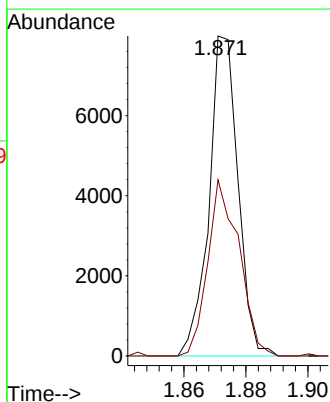
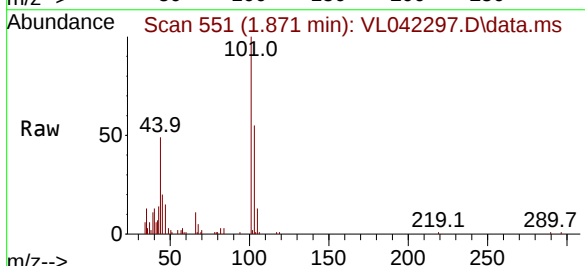
Manual Integrations
APPROVED

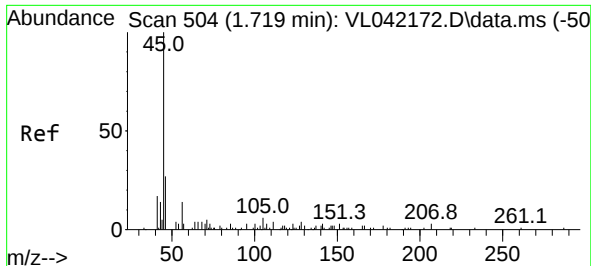
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.003 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

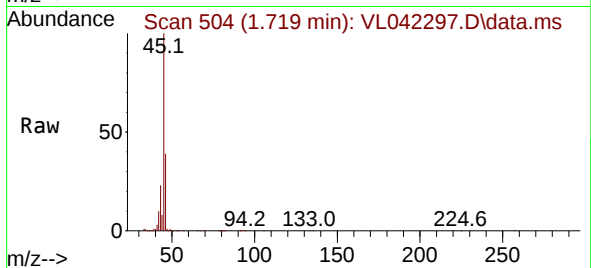
Tgt Ion:101 Resp: 5197
Ion Ratio Lower Upper
101 100
103 55.0 50.2 75.2





#13
Ethanol
Concen: 66.083 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

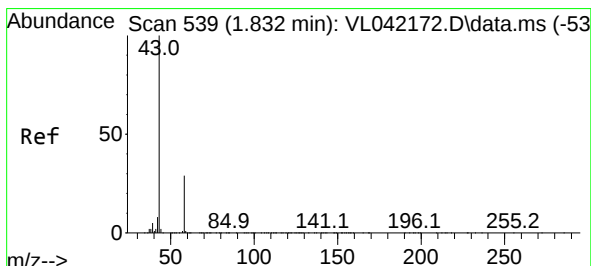
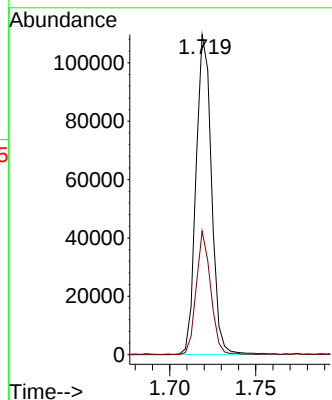
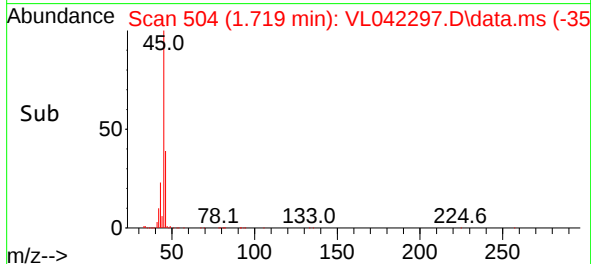
Instrument :
MSVOA_L
ClientSampleId :
IA1



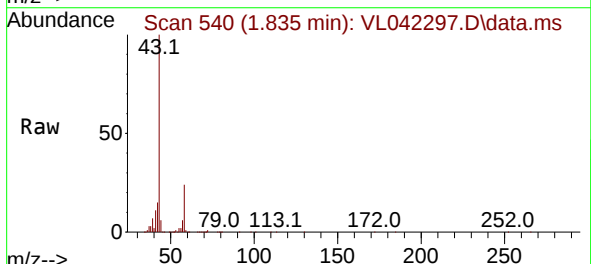
Tgt Ion: 45 Resp: 68354
Ion Ratio Lower Upper
45 100
46 36.5 20.2 80.8

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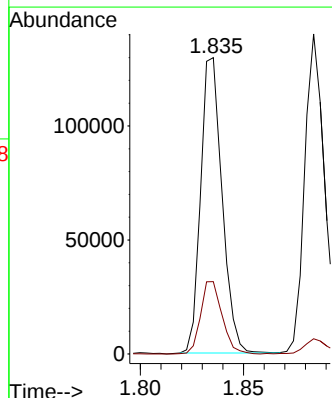
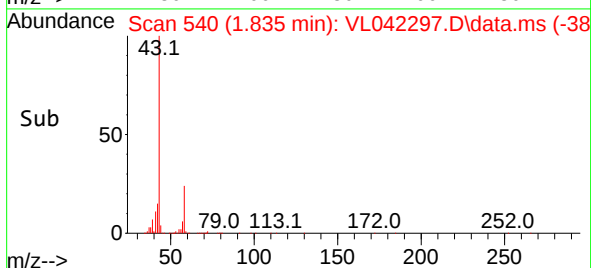
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025

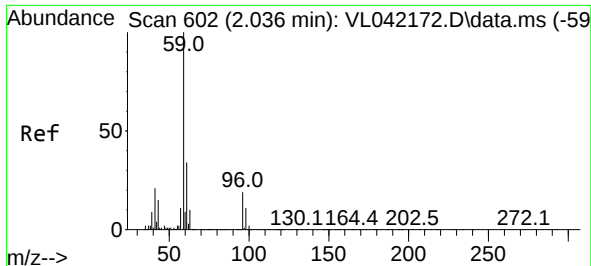


#15
Acetone
Concen: 4.218 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31



Tgt Ion: 43 Resp: 93369
Ion Ratio Lower Upper
43 100
58 24.6 23.2 34.8





#17

tert-Butyl alcohol

Concen: 0.634 ppbv

RT: 2.043 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042297.D

Acq: 09 Apr 2025 17:31

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 59 Resp: 1747

Ion Ratio Lower Upper

59 100

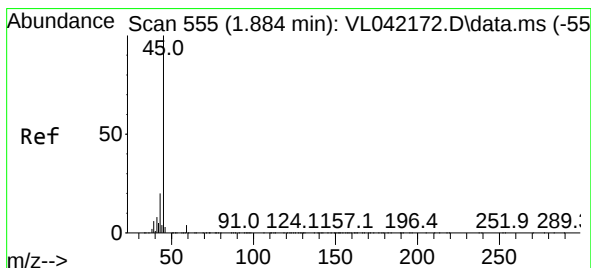
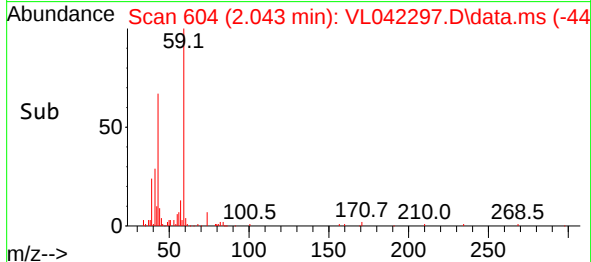
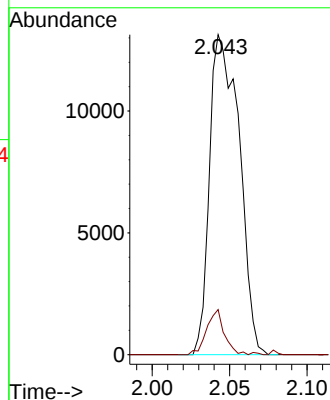
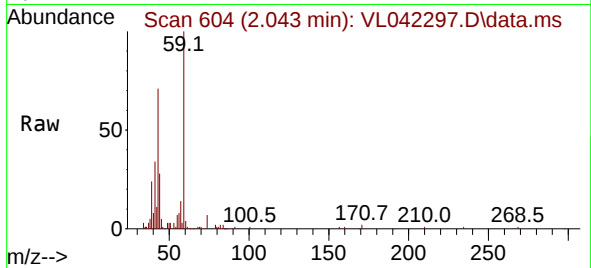
57 8.6 8.9 13.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/10/2025

Supervised By :Mahesh Dadoda 04/10/2025



#19

Isopropyl Alcohol

Concen: 31.559 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL042297.D

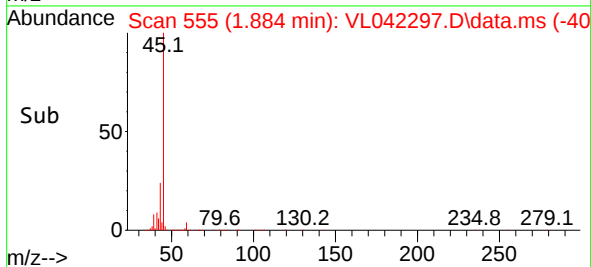
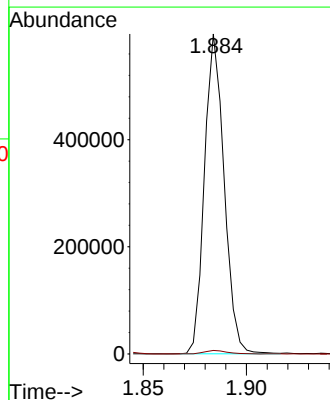
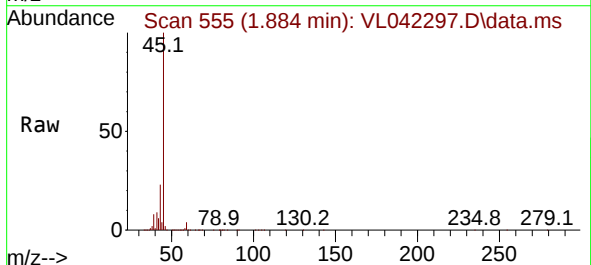
Acq: 09 Apr 2025 17:31

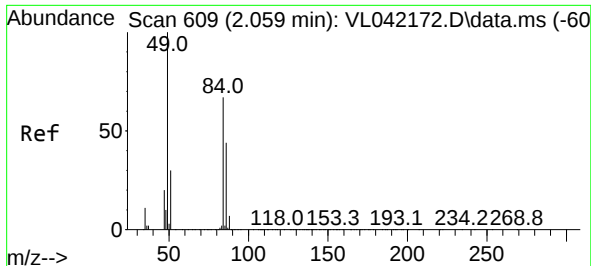
Tgt Ion: 45 Resp: 394134

Ion Ratio Lower Upper

45 100

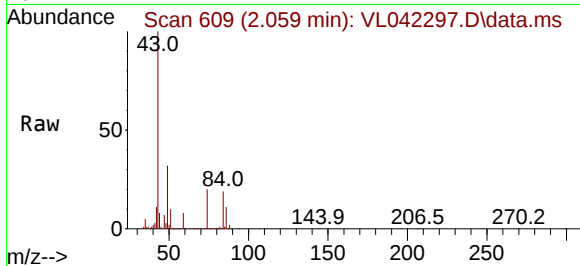
58 1.4 36.9 55.3





#20
Methylene Chloride
Concen: 1.506 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

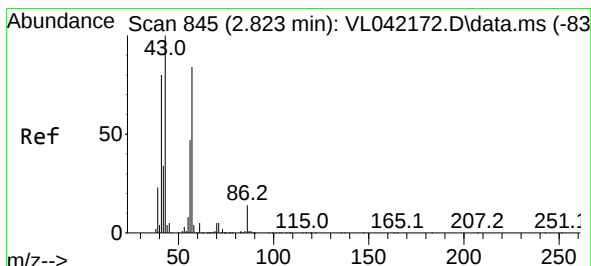
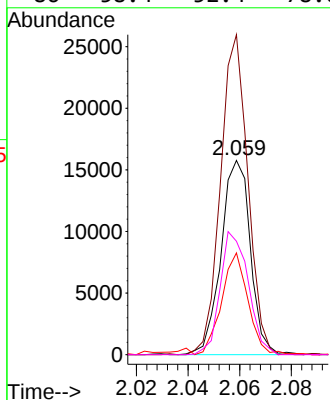
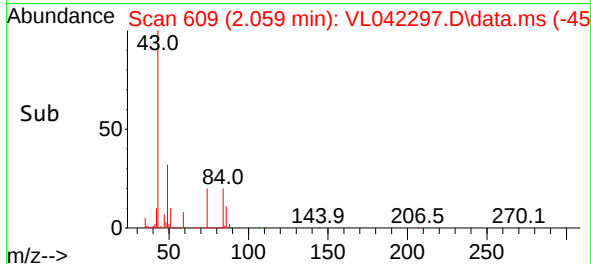
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 12419
Ion Ratio Lower Upper
84 100
49 164.7 120.2 180.4
51 50.6 37.4 56.0
86 58.4 52.4 78.6

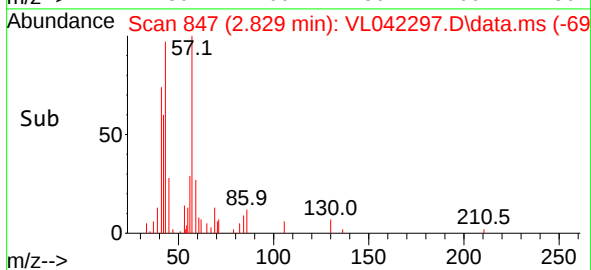
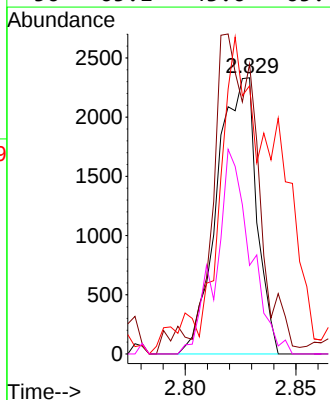
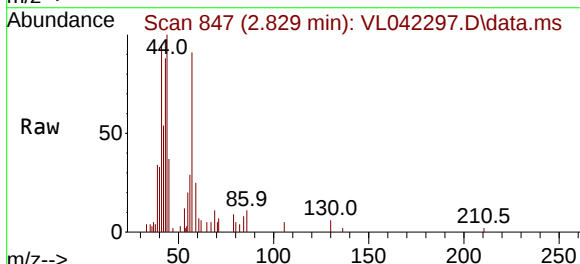
Manual Integrations
APPROVED

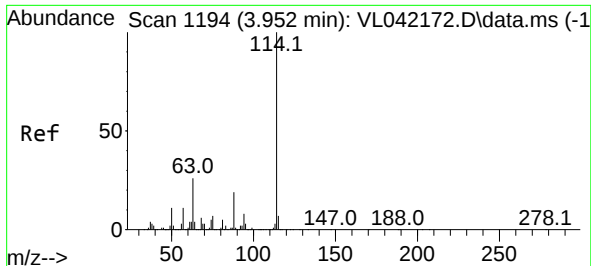
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#26
Hexane
Concen: 0.131 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

Tgt Ion: 57 Resp: 2900
Ion Ratio Lower Upper
57 100
41 136.4 76.6 114.8#
43 177.9 207.8 311.8#
56 65.1 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042297.D

Acq: 09 Apr 2025 17:31

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:114 Resp: 382470

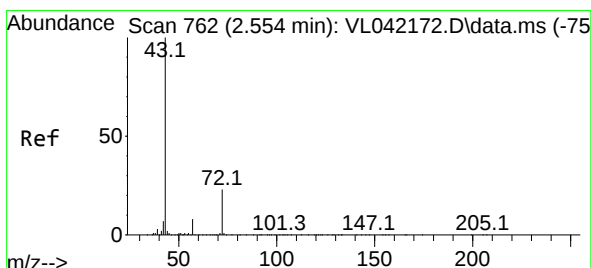
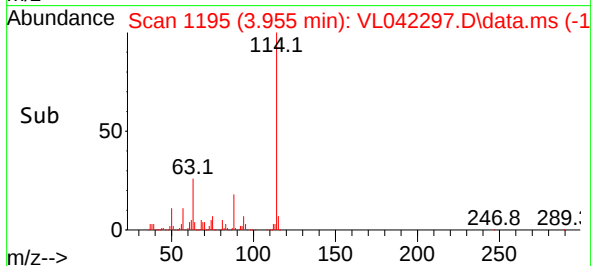
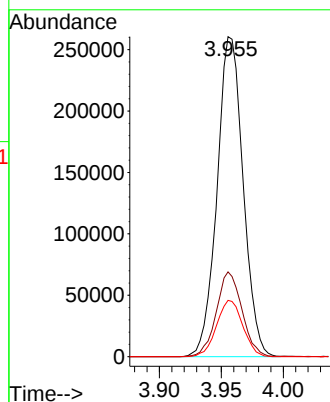
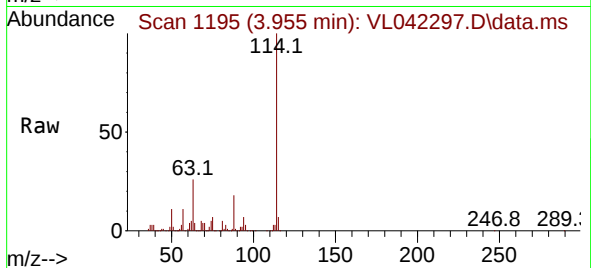
Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	17.6	15.0	22.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/10/2025

Supervised By :Mahesh Dadoda 04/10/2025



#34

2-Butanone

Concen: 0.494 ppbv

RT: 2.557 min Scan# 763

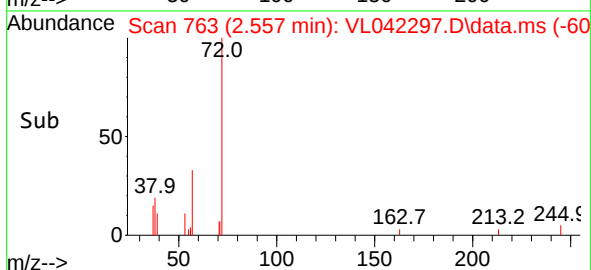
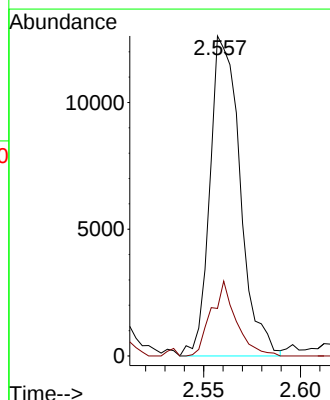
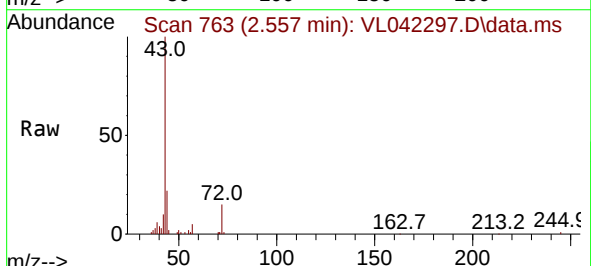
Delta R.T. 0.003 min

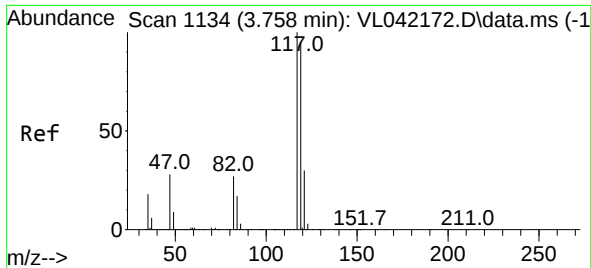
Lab File: VL042297.D

Acq: 09 Apr 2025 17:31

Tgt Ion: 43 Resp: 13691

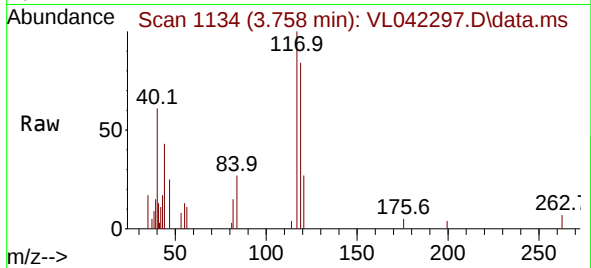
Ion	Ratio	Lower	Upper
43	100		
72	20.0	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

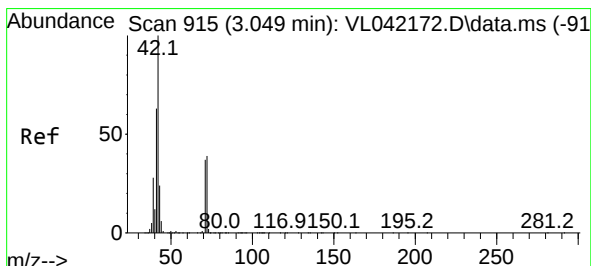
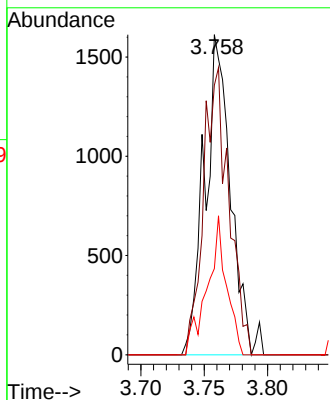
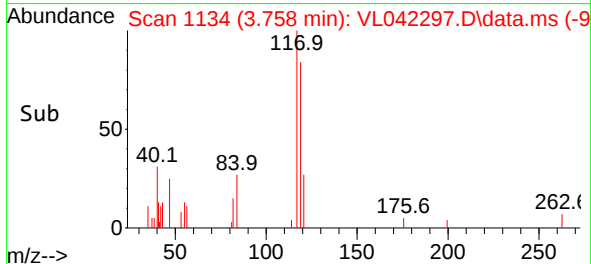
Instrument : MSVOA_L
ClientSampleId : IA1



Tgt Ion: 117 Resp: 230
Ion Ratio Lower Upper
117 100
119 84.2 76.2 114.2
121 26.9 24.2 36.4

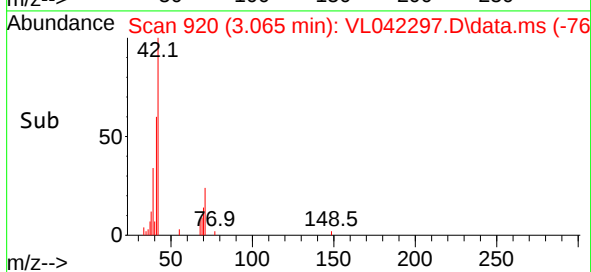
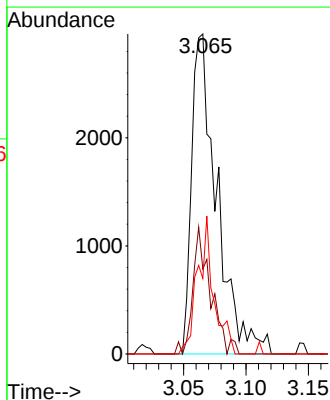
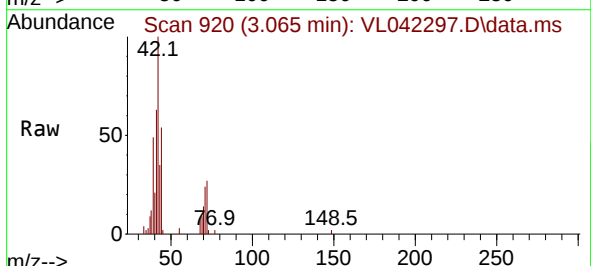
Manual Integrations
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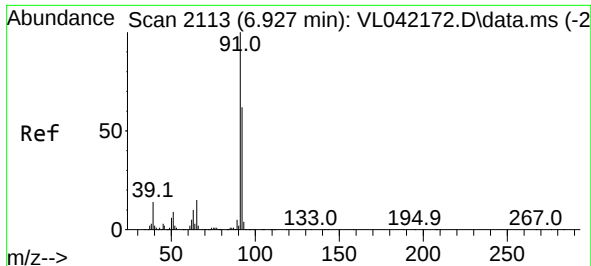
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#41
Tetrahydrofuran
Concen: 0.260 ppbv m
RT: 3.065 min Scan# 920
Delta R.T. 0.016 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

Tgt Ion: 42 Resp: 4148
Ion Ratio Lower Upper
42 100
72 28.2 31.4 47.0#
71 27.6 30.2 45.4#





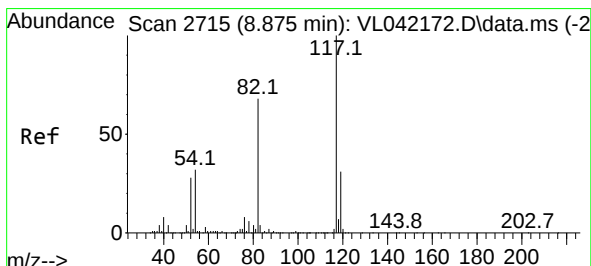
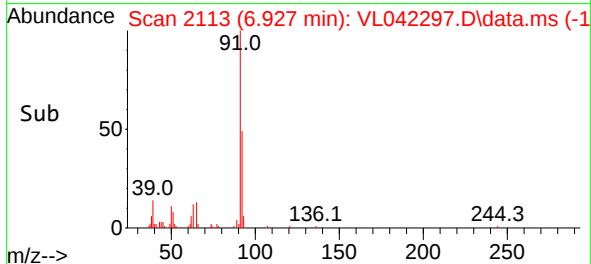
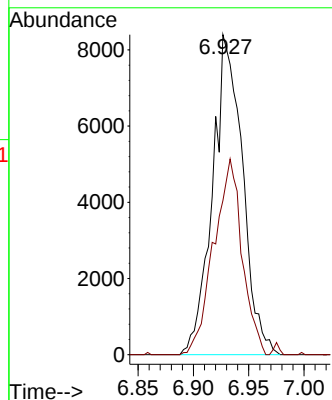
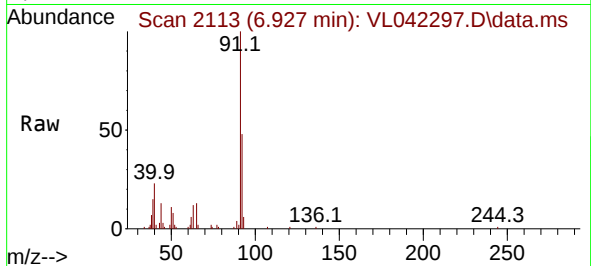
#53
Toluene
Concen: 0.353 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 1585
Ion Ratio Lower Upper
91 100
92 58.4 48.4 72.6

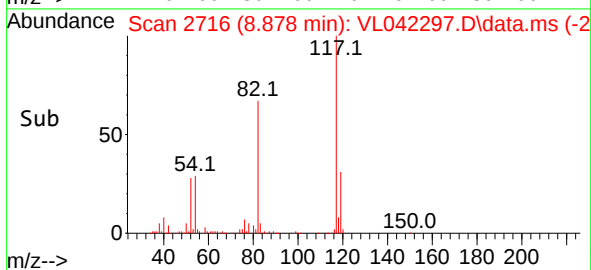
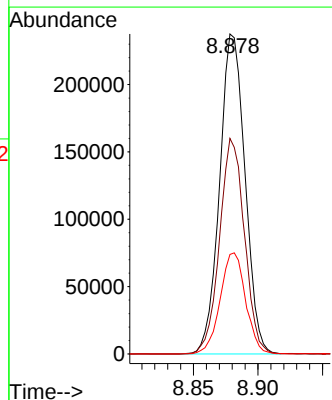
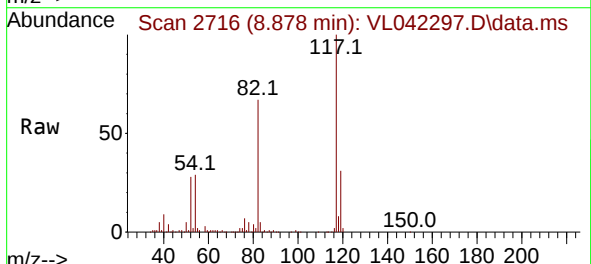
Manual Integrations
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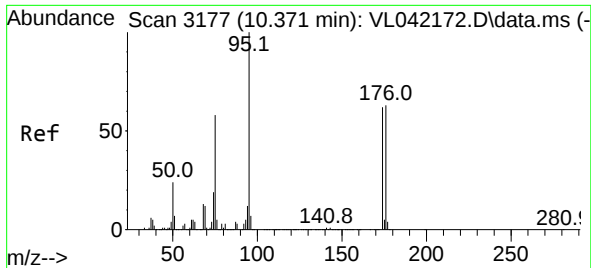
Reviewed By :Semsettin Yesilyurt 04/10/2025
Supervised By :Mahesh Dadoda 04/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.003 min
Lab File: VL042297.D
Acq: 09 Apr 2025 17:31

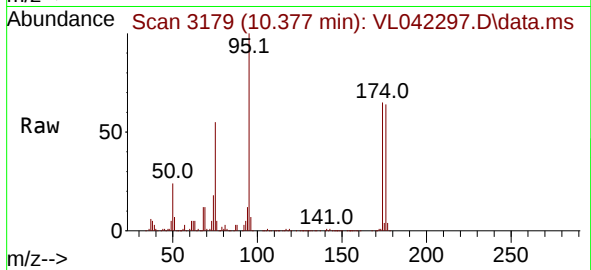
Tgt Ion:117 Resp: 324963
Ion Ratio Lower Upper
117 100
82 66.0 55.8 83.6
119 31.7 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.577 ppbv
 RT: 10.377 min Scan# 3177
 Delta R.T. 0.006 min
 Lab File: VL042297.D
 Acq: 09 Apr 2025 17:31

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 95 Resp: 255572
 Ion Ratio Lower Upper
 95 100
 174 64.0 50.6 76.0
 175 4.8 3.8 5.6

Manual Integrations
 APPROVED

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

