

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042735.D
 Acq On : 22 Jul 2025 17:42
 Operator : SY/MD
 Sample : Q2617-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 03:03:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Jul 23 02:51:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	107252	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	308118	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	275966	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	226230	10.143	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.725	45	755m	0.668	ppbv	
15) Acetone	1.839	43	14369	0.800	ppbv	99
20) Methylene Chloride	2.065	84	1526	0.270	ppbv #	67
26) Hexane	2.829	57	2820	0.194	ppbv #	57
32) 1,1,1-Trichloroethane	3.376	97	2241m	0.089	ppbv	
34) 2-Butanone	2.564	43	2485	0.117	ppbv	96
53) Toluene	6.939	91	3961m	0.123	ppbv	

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

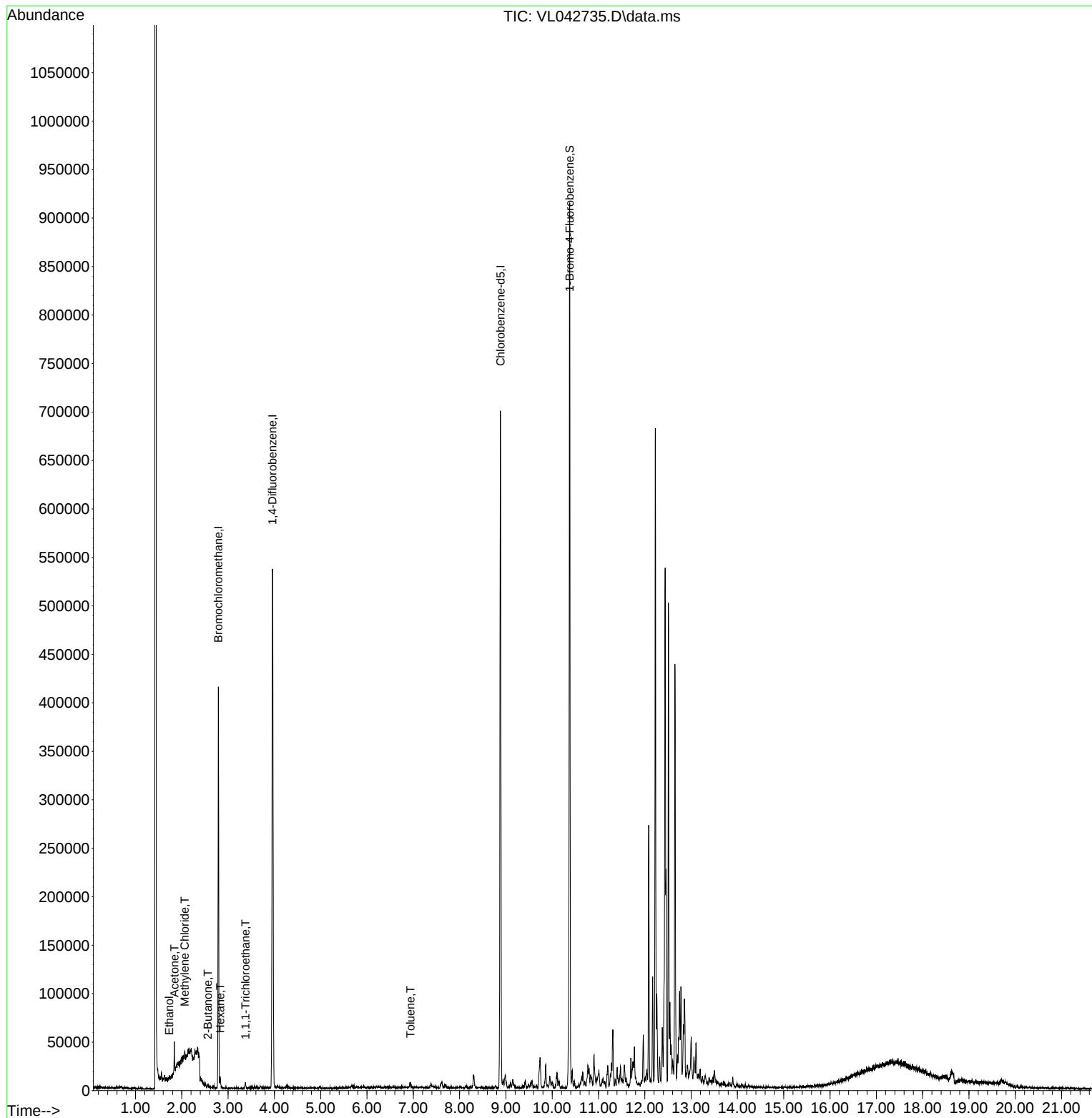
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042735.D
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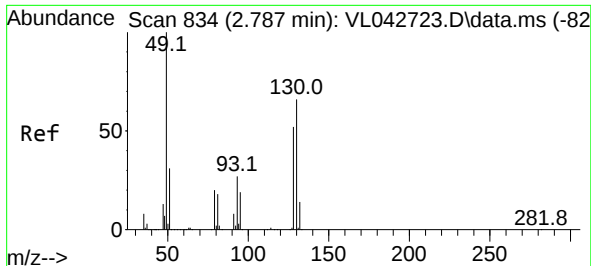
Instrument :
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ClientSampleId :
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Quant Time: Jul 23 03:03:47 2025
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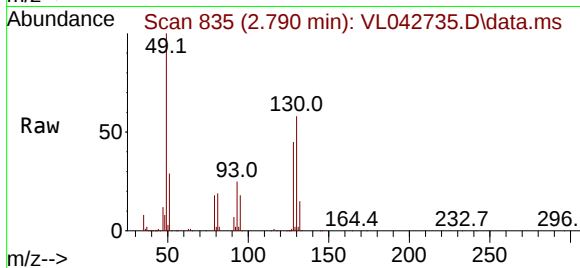
Reviewed By : Semsettin Yesilyurt 07/23/2025
Supervised By : Mahesh Dadoda 07/23/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

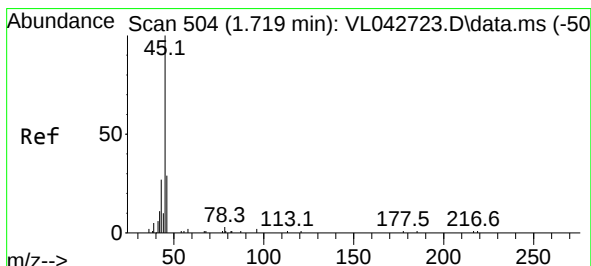
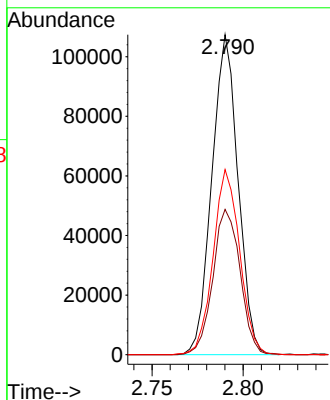
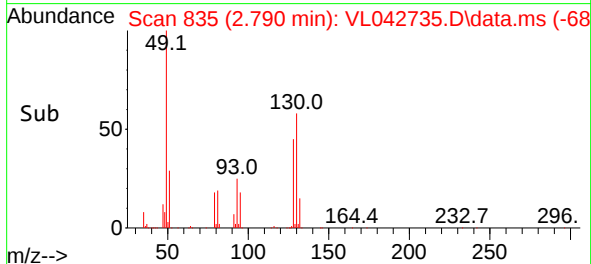
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 10725
Ion Ratio Lower Upper
49 100
128 47.3 24.5 73.5
130 58.8 31.7 95.1

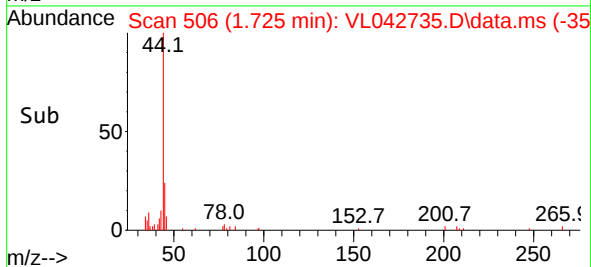
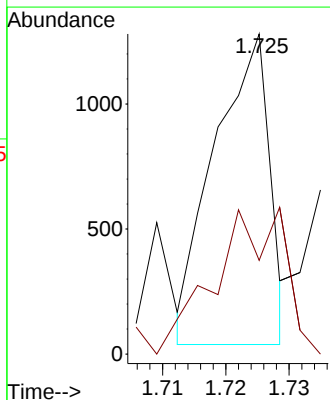
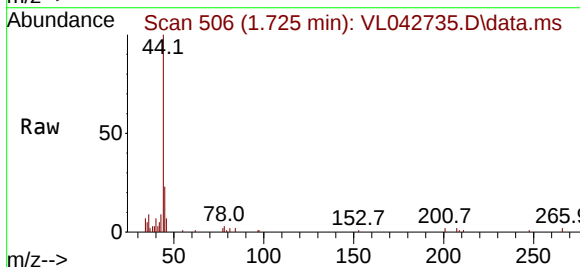
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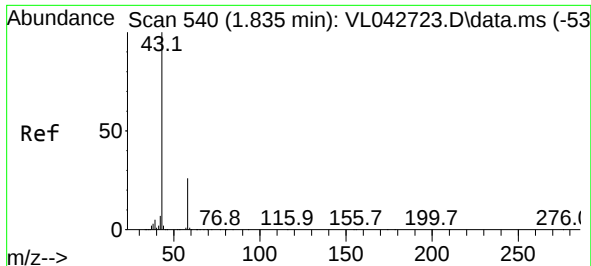
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#13
Ethanol
Concen: 0.668 ppbv m
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

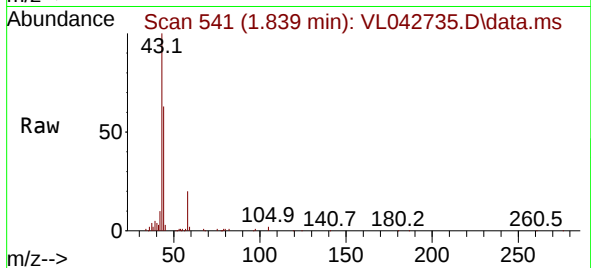
Tgt Ion: 45 Resp: 755
Ion Ratio Lower Upper
45 100
46 50649.7 16.3 65.1#





#15
Acetone
Concen: 0.800 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

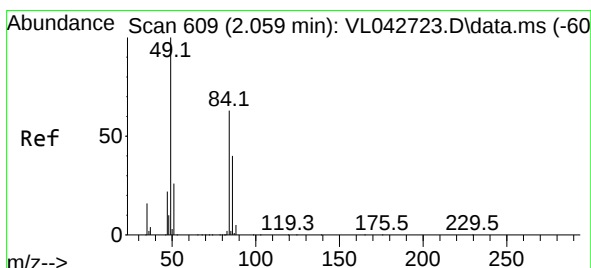
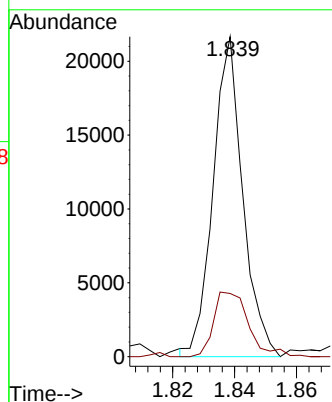
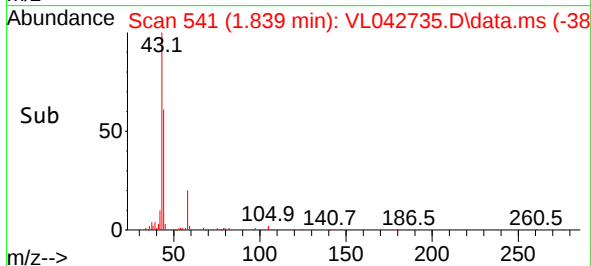
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 14369
Ion Ratio Lower Upper
43 100
58 24.9 20.5 30.7

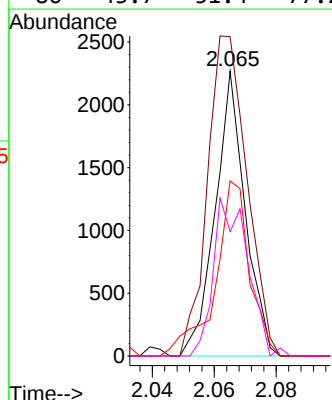
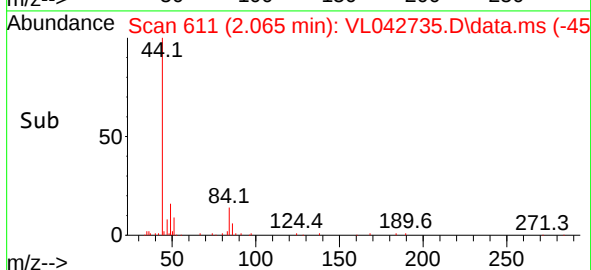
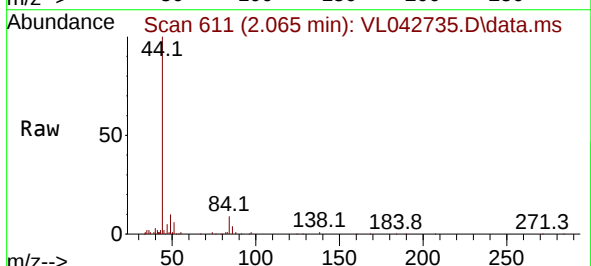
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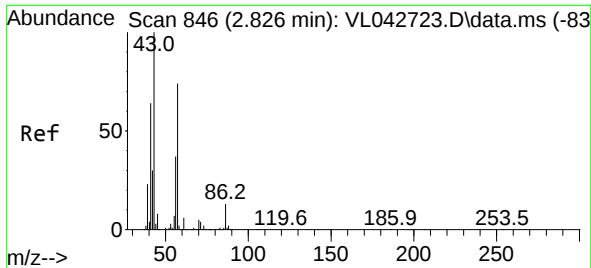
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#20
Methylene Chloride
Concen: 0.270 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

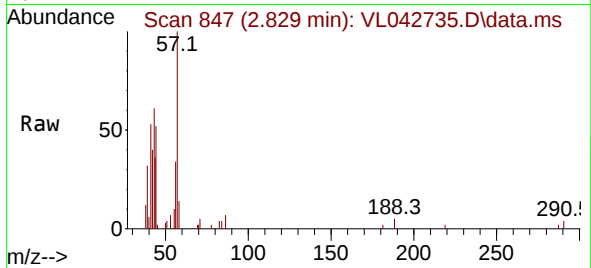
Tgt Ion: 84 Resp: 1526
Ion Ratio Lower Upper
84 100
49 112.2 128.2 192.4#
51 61.5 34.5 51.7#
86 43.7 51.4 77.2#





#26
Hexane
Concen: 0.194 ppbv
RT: 2.829 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

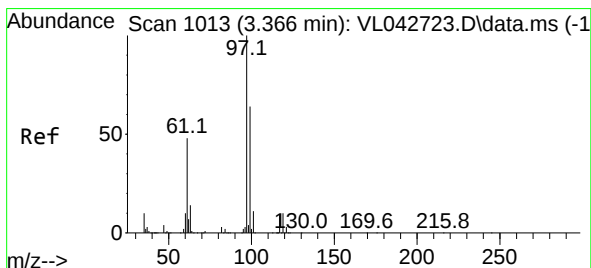
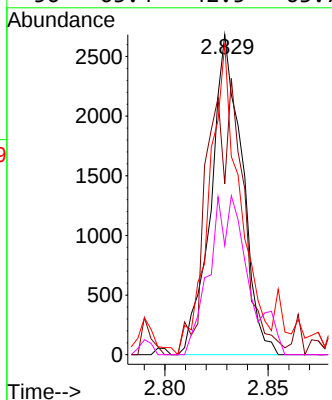
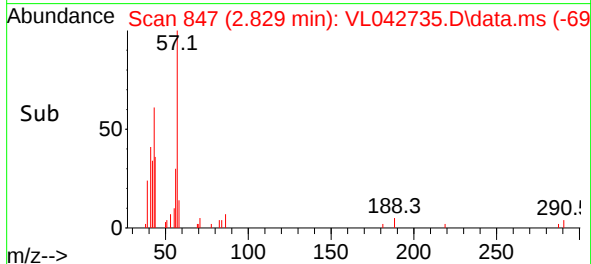
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 2820
Ion Ratio Lower Upper
57 100
41 104.1 77.3 115.9
43 122.8 182.3 273.5
56 63.4 42.5 63.7

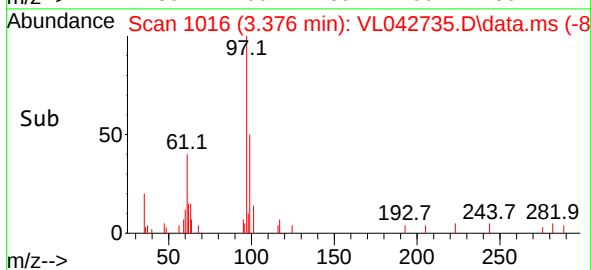
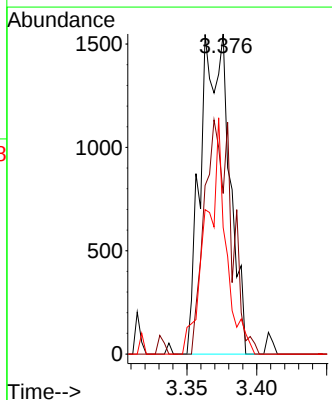
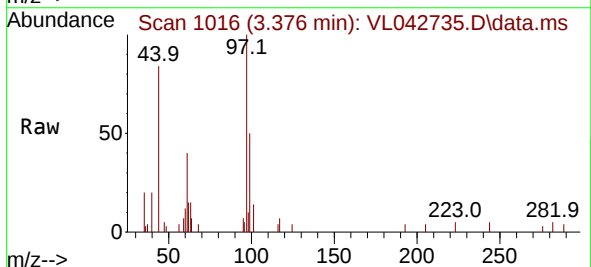
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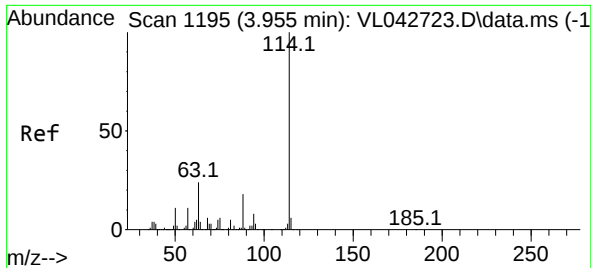
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#32
1,1,1-Trichloroethane
Concen: 0.089 ppbv m
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 97 Resp: 2241
Ion Ratio Lower Upper
97 100
99 2.5 51.4 77.0#
61 2.1 39.6 59.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042735.D

Acq: 22 Jul 2025 17:42

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 308118

Ion Ratio Lower Upper

114 100

63 27.3 20.4 30.6

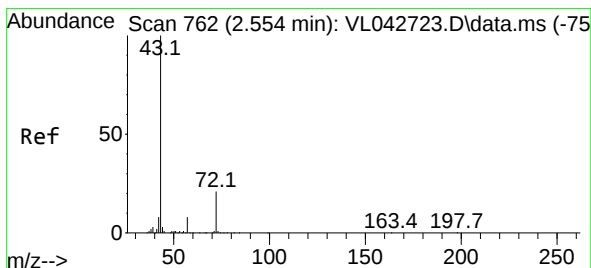
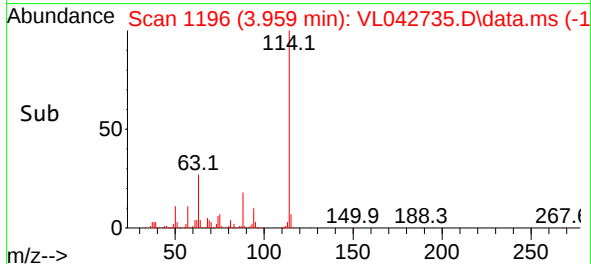
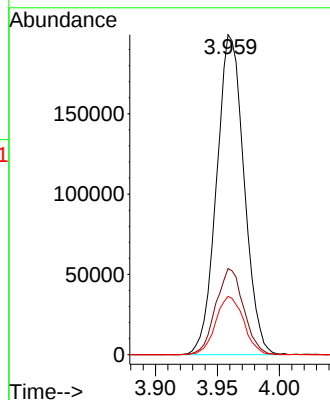
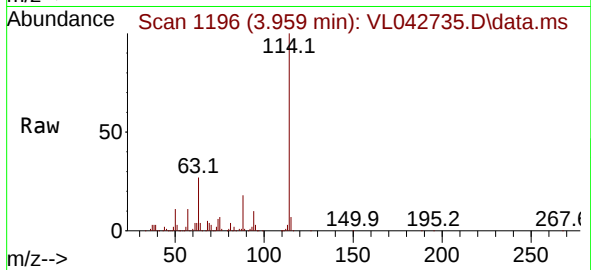
88 18.5 14.5 21.7

Manual Integrations

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#34

2-Butanone

Concen: 0.117 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.010 min

Lab File: VL042735.D

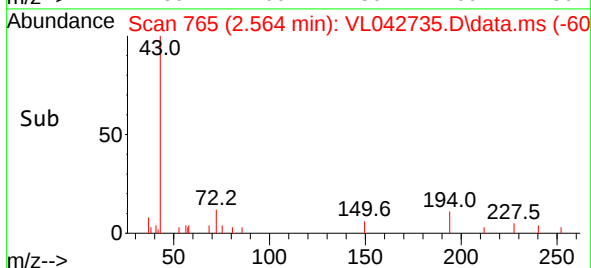
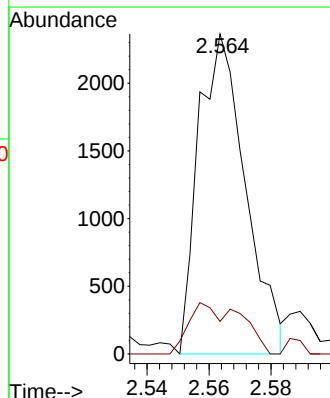
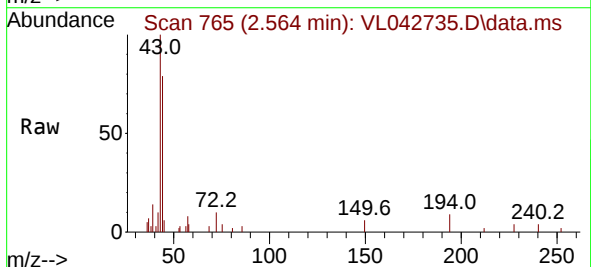
Acq: 22 Jul 2025 17:42

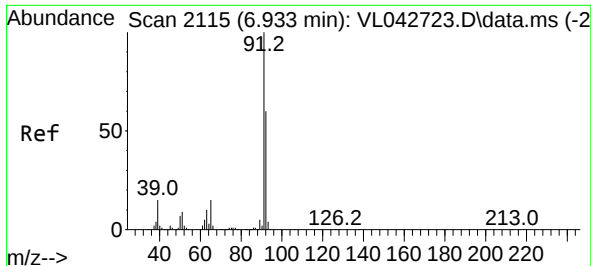
Tgt Ion: 43 Resp: 2485

Ion Ratio Lower Upper

43 100

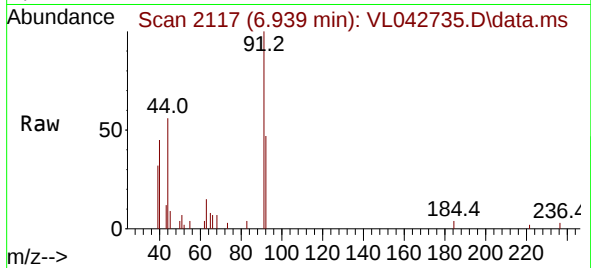
72 19.5 17.0 25.6





#53
Toluene
Concen: 0.123 ppbv m
RT: 6.939 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

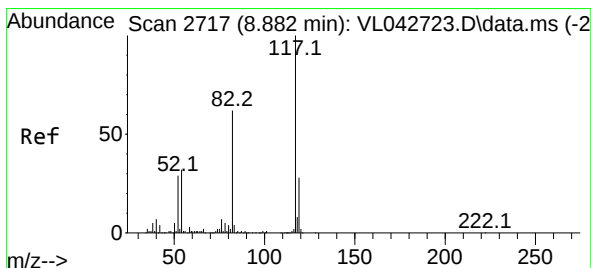
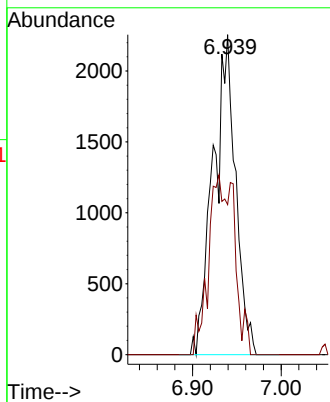
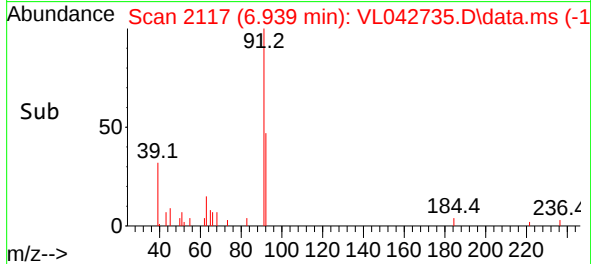
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 91 Resp: 396
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4

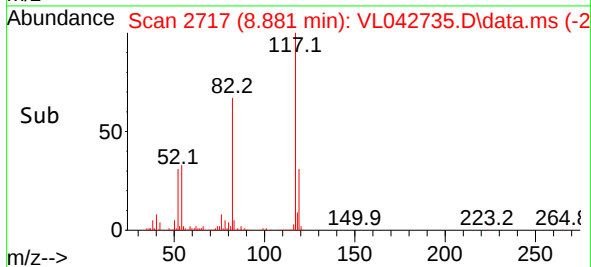
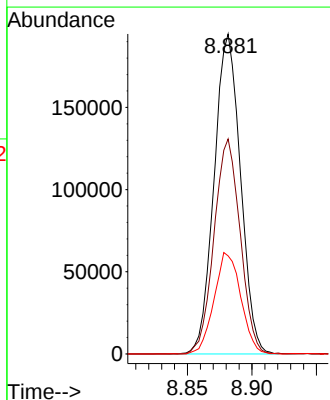
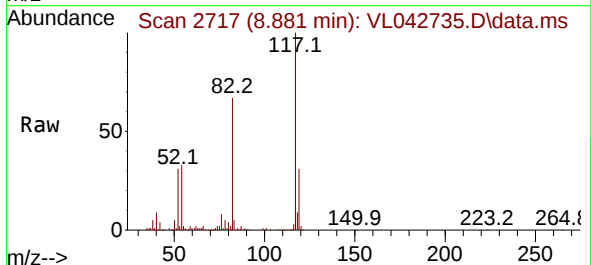
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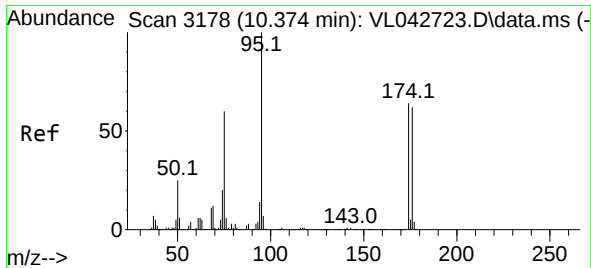
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

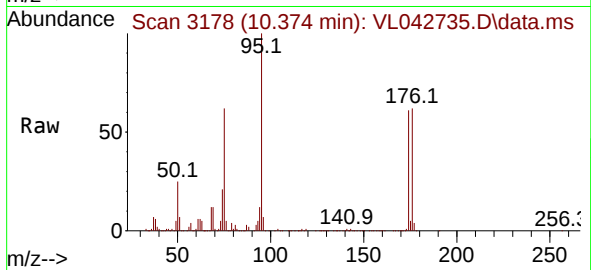
Tgt Ion:117 Resp: 275966
Ion Ratio Lower Upper
117 100
82 66.7 54.6 81.8
119 32.2 25.3 37.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.143 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.000 min
 Lab File: VL042735.D
 Acq: 22 Jul 2025 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 226230
 Ion Ratio Lower Upper
 95 100
 174 64.0 51.4 77.2
 175 4.9 4.2 6.4

Manual Integrations
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