

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041986.D
 Acq On : 10 Feb 2025 14:08
 Operator : SY/MD
 Sample : Q1303-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 01:23:26 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	149683	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	414639	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	360840	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	277058	9.748	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
3) Chlorodifluoromethane	1.466	51	6939	0.325	ppbv #	61
9) Propene	1.486	41	1145	0.130	ppbv	94
13) Ethanol	1.722	45	2529m	3.924	ppbv	
15) Acetone	1.835	43	16099	0.895	ppbv	97
19) Isopropyl Alcohol	1.887	45	6151	0.577	ppbv #	50
20) Methylene Chloride	2.062	84	1318	0.186	ppbv #	91
26) Hexane	2.826	57	4567	0.238	ppbv #	40
52) Tetrachloroethene	8.234	164	685m	0.052	ppbv	
59) m/p-Xylene	9.535	91	5218m	0.115	ppbv	
74) 1,2,4-Trimethylbenzene	11.536	105	7005	0.136	ppbv #	59

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

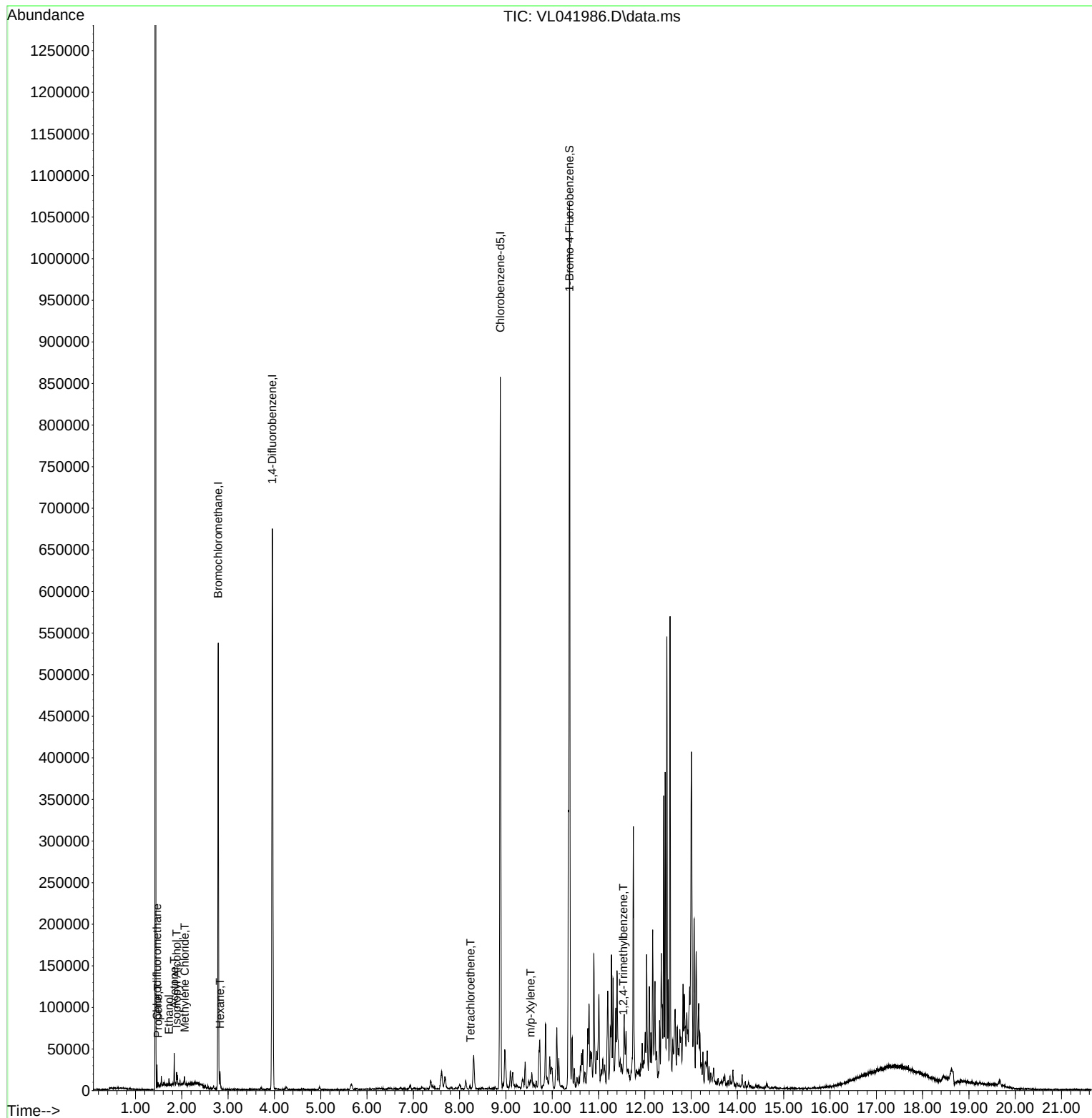
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
Data File : VL041986.D
Acq On : 10 Feb 2025 14:08
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Misc : 400mL/MSVOA_L
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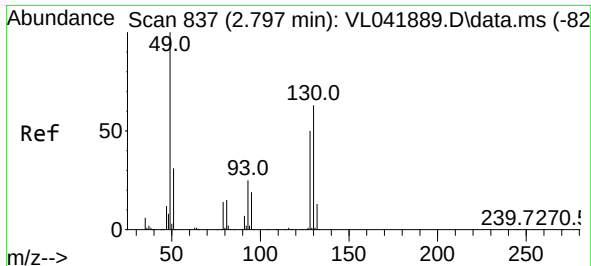
Instrument :
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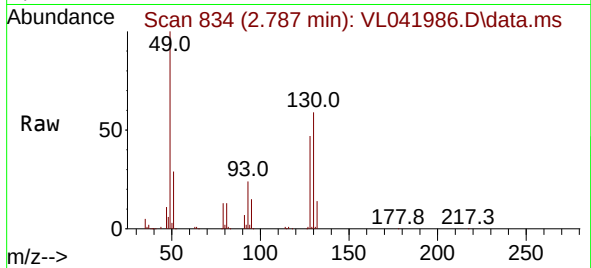
Quant Time: Feb 11 01:23:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

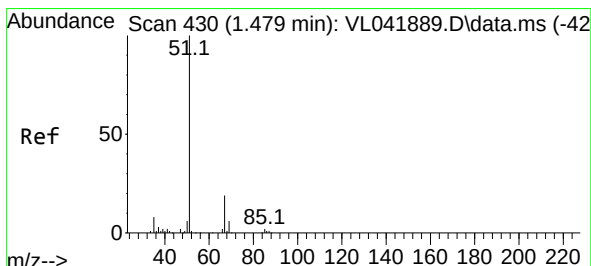
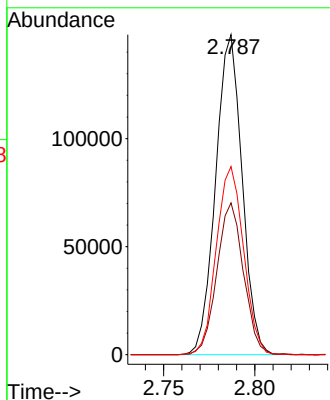
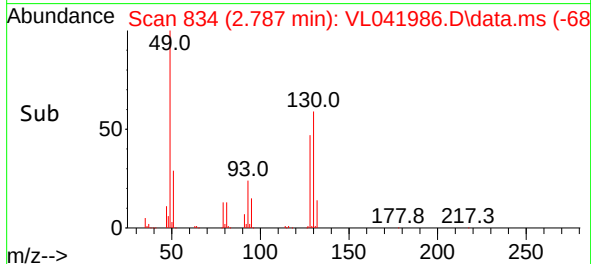
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 14968
Ion Ratio Lower Upper
49 100
128 47.6 24.3 73.0
130 60.5 31.1 93.2

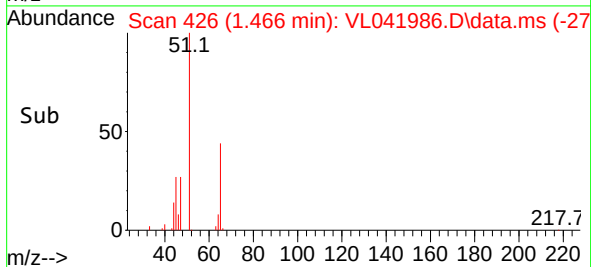
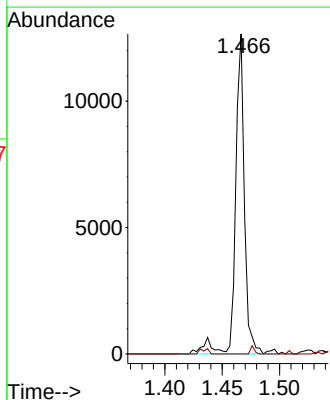
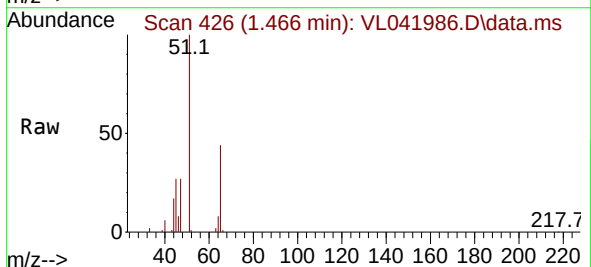
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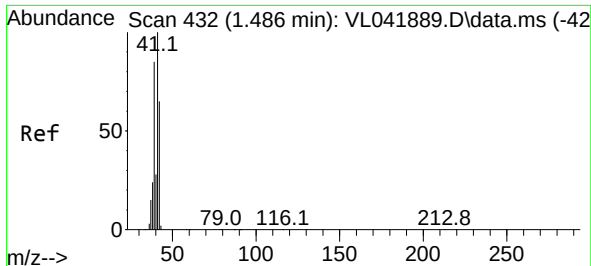
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#3
Chlorodifluoromethane
Concen: 0.325 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.013 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

Tgt Ion: 51 Resp: 6939
Ion Ratio Lower Upper
51 100
67 1.1 15.0 22.4#





#9

Propene

Concen: 0.130 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041986.D

Acq: 10 Feb 2025 14:08

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 41 Resp: 114

Ion Ratio Lower Upper

41 100

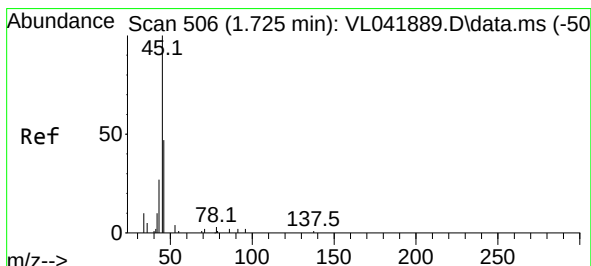
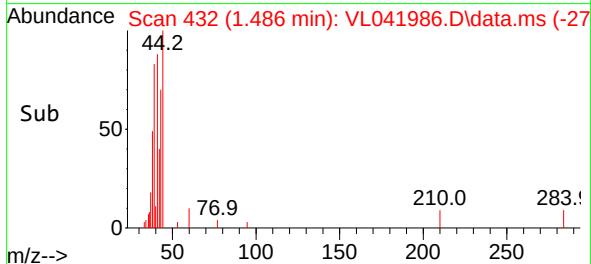
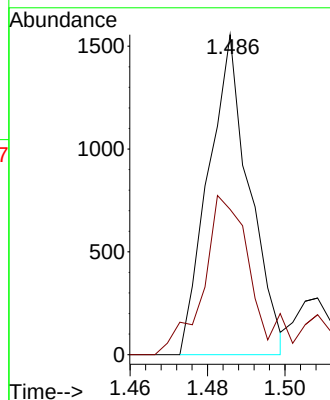
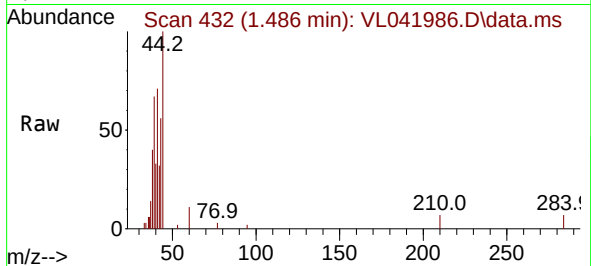
42 60.0 52.0 78.0

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#13

Ethanol

Concen: 3.924 ppbv m

RT: 1.722 min Scan# 505

Delta R.T. -0.003 min

Lab File: VL041986.D

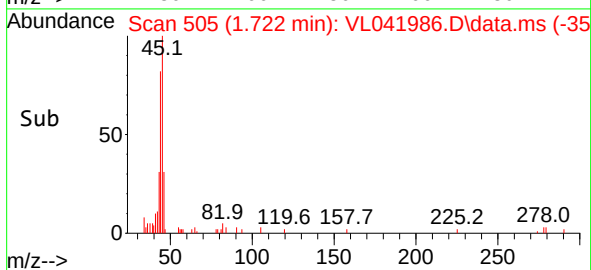
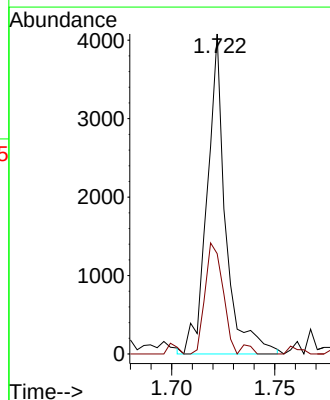
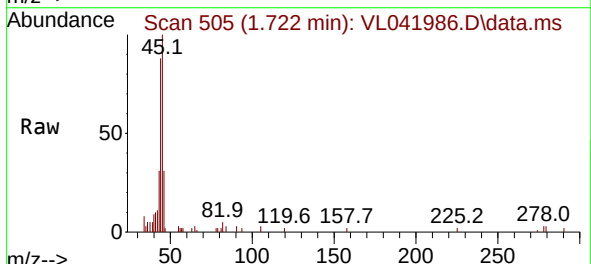
Acq: 10 Feb 2025 14:08

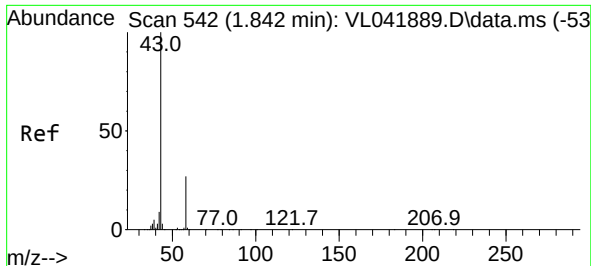
Tgt Ion: 45 Resp: 2529

Ion Ratio Lower Upper

45 100

46 0.0 18.1 72.5#





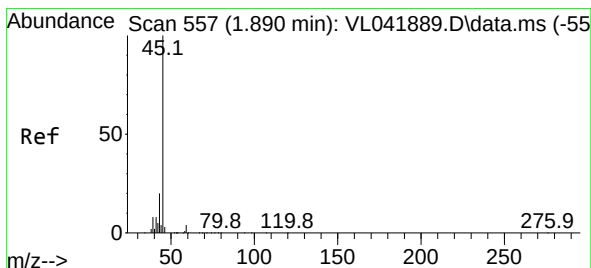
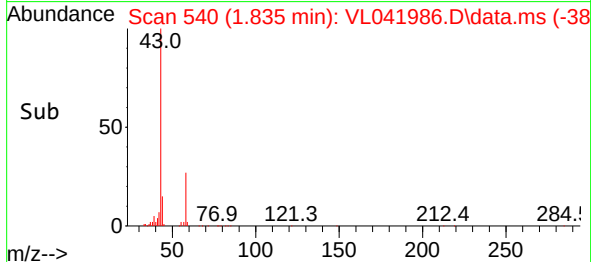
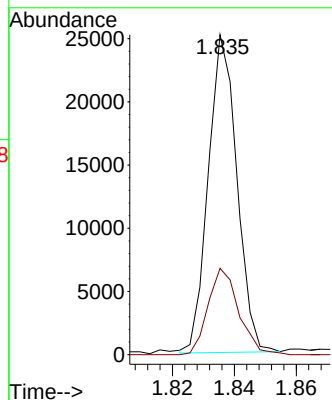
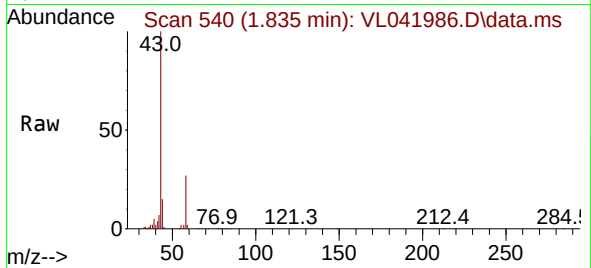
#15
Acetone
Concen: 0.895 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.006 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
58 29.1 21.9 32.9

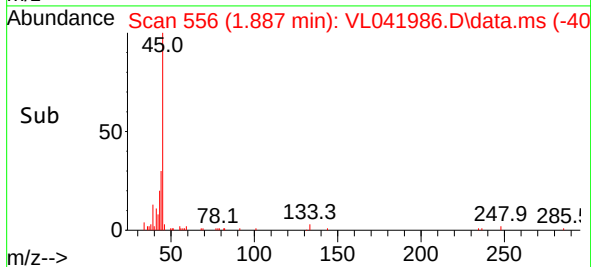
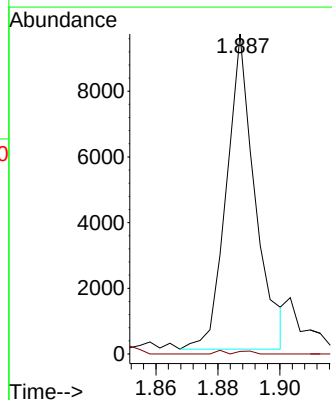
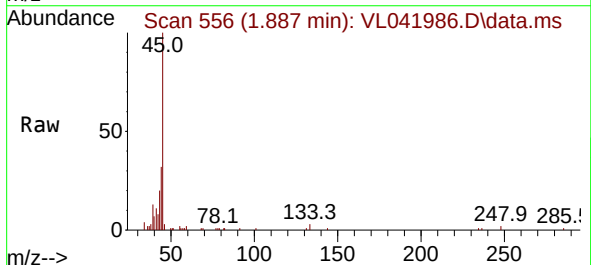
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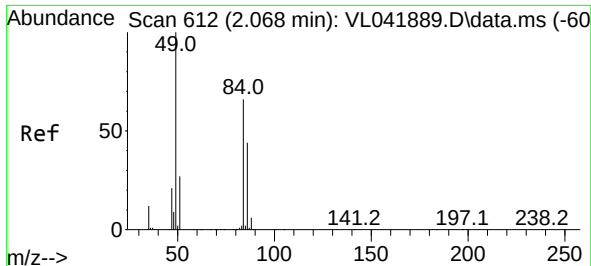
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#19
Isopropyl Alcohol
Concen: 0.577 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.003 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

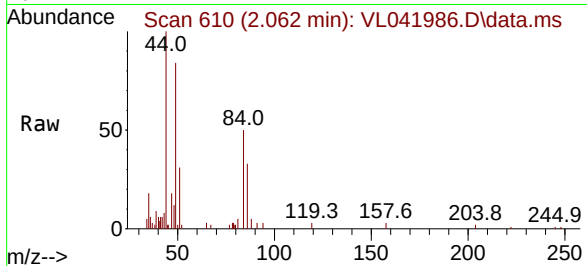
Tgt Ion: 45 Resp: 6151
Ion Ratio Lower Upper
45 100
58 76.3 35.0 52.6#





#20
Methylene Chloride
Concen: 0.186 ppbv
RT: 2.062 min Scan# 612
Delta R.T. -0.006 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

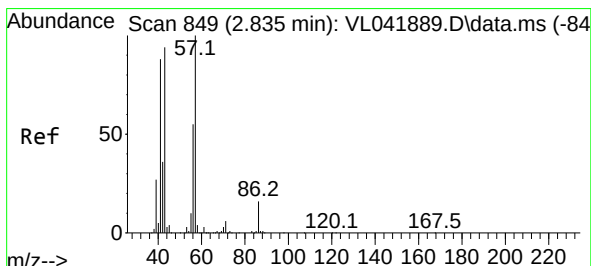
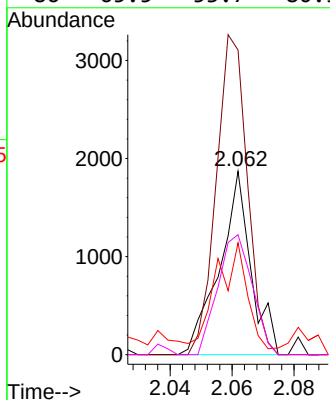
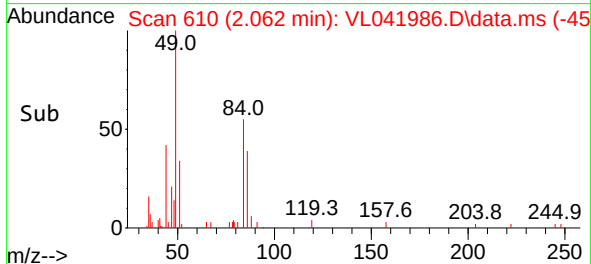
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 84 Resp: 1318
Ion Ratio Lower Upper
84 100
49 166.1 123.1 184.7
51 57.3 35.8 53.8
86 65.5 53.7 80.5

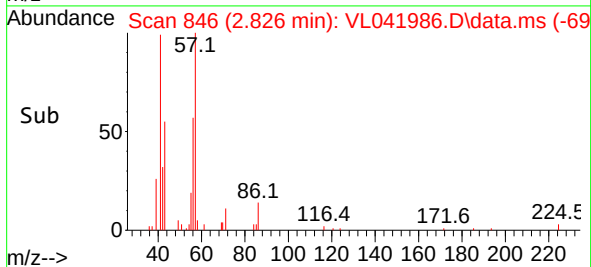
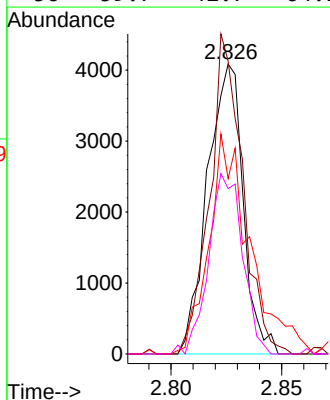
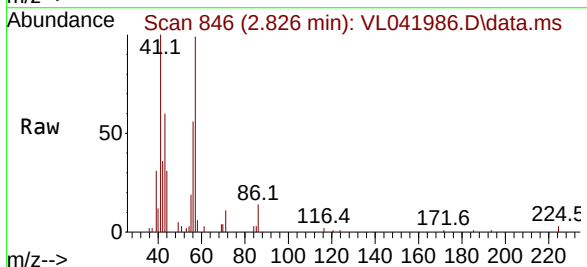
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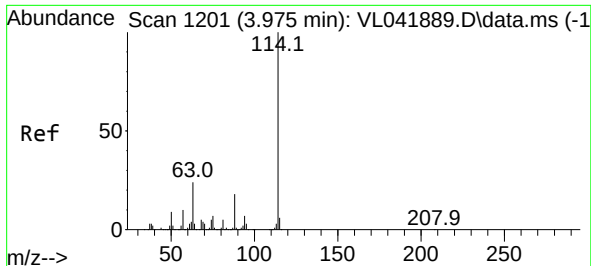
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#26
Hexane
Concen: 0.238 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.010 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

Tgt Ion: 57 Resp: 4567
Ion Ratio Lower Upper
57 100
41 103.0 73.8 110.8
43 90.9 197.3 295.9#
56 59.7 42.7 64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.019 min

Lab File: VL041986.D

Acq: 10 Feb 2025 14:08

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 414639

Ion Ratio Lower Upper

114 100

63 24.3 19.8 29.6

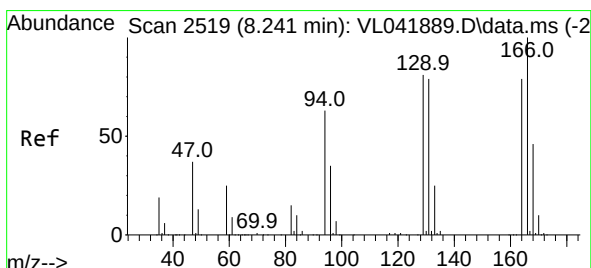
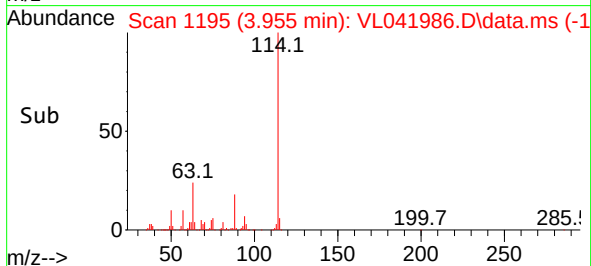
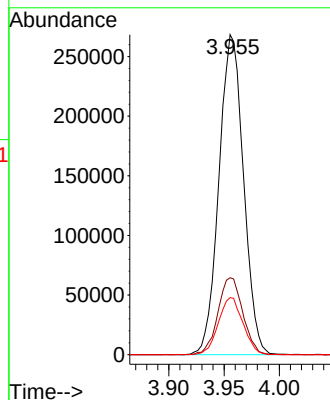
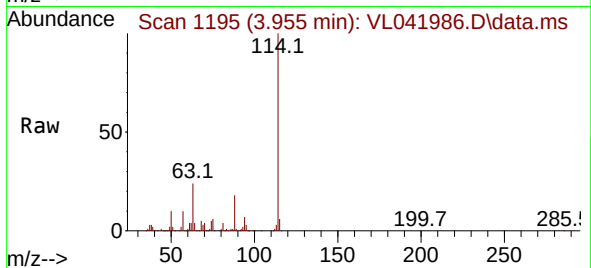
88 17.8 14.4 21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Tetrachloroethene

Concen: 0.052 ppbv m

RT: 8.234 min Scan# 2517

Delta R.T. -0.006 min

Lab File: VL041986.D

Acq: 10 Feb 2025 14:08

Tgt Ion:164 Resp: 685

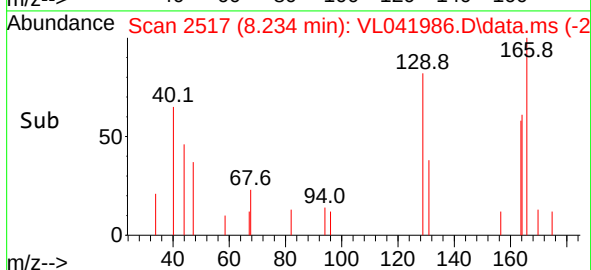
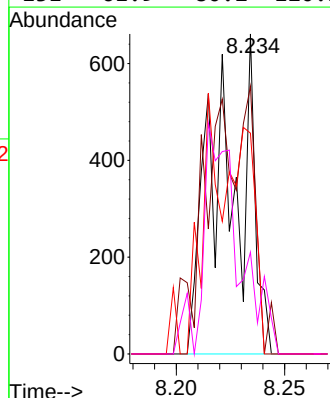
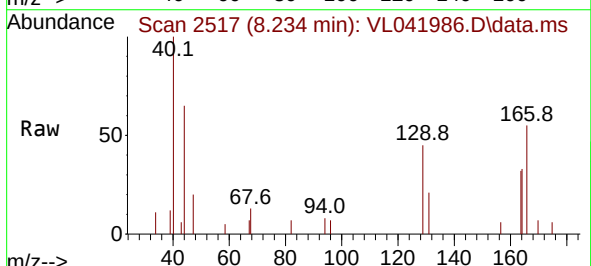
Ion Ratio Lower Upper

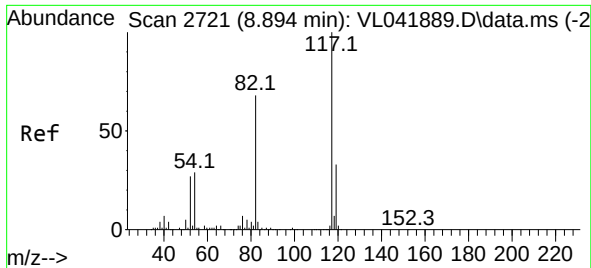
164 100

166 163.1 100.8 151.2#

129 134.5 82.0 123.0#

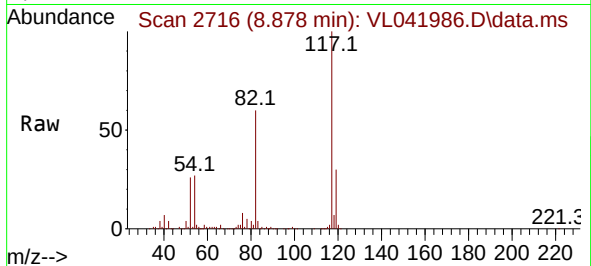
131 61.9 80.2 120.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2117
Delta R.T. -0.016 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

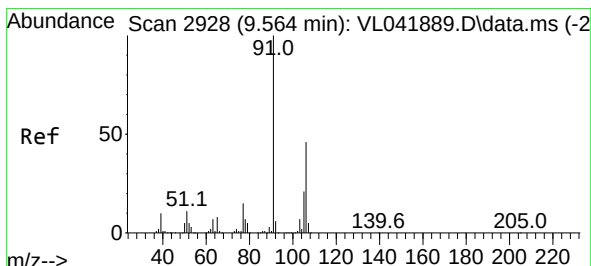
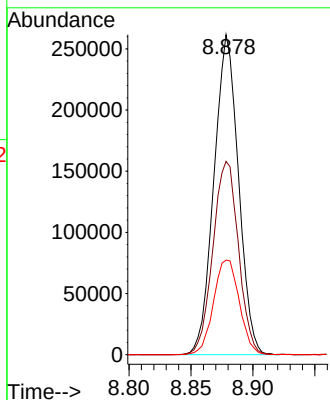
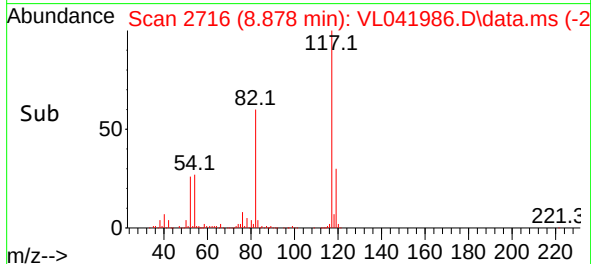
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:117 Resp: 360840
Ion Ratio Lower Upper
117 100
82 63.0 54.2 81.4
119 31.3 25.0 37.6

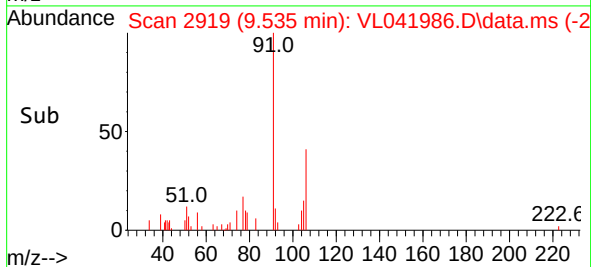
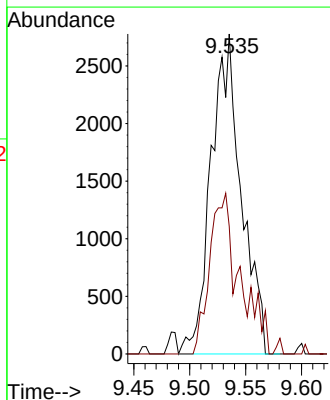
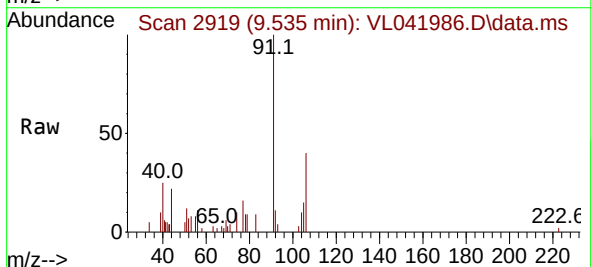
Manual Integrations
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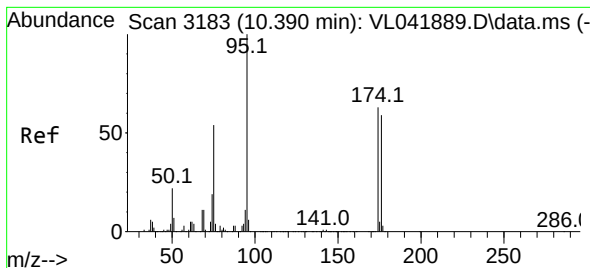
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#59
m/p-Xylene
Concen: 0.115 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.029 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

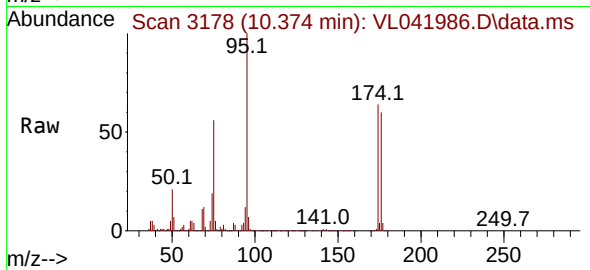
Tgt Ion: 91 Resp: 5218
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.748 ppbv
RT: 10.374 min Scan# 3183
Delta R.T. -0.016 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08

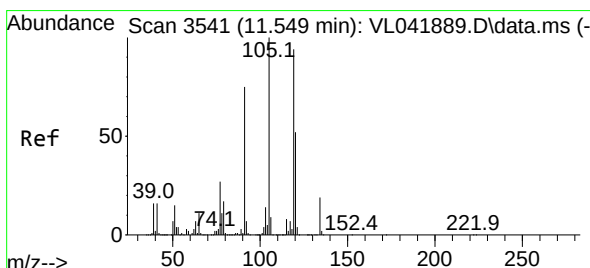
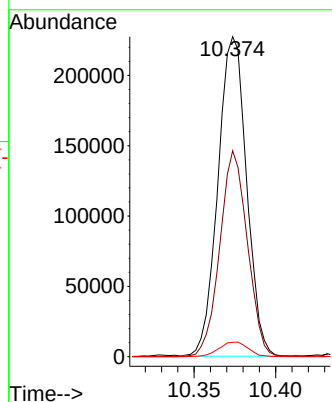
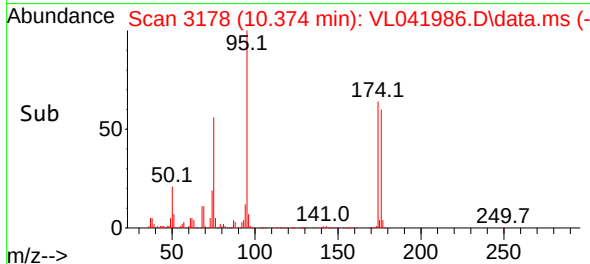
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



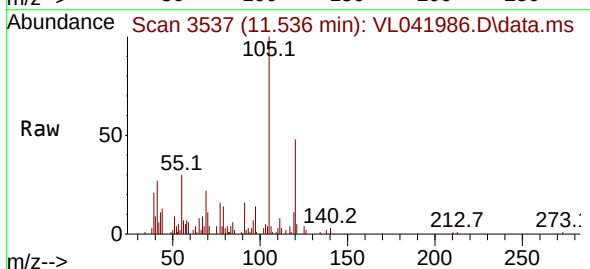
Tgt Ion: 95 Resp: 277058
Ion Ratio Lower Upper
95 100
174 62.2 49.0 73.4
175 4.7 3.8 5.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.136 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.013 min
Lab File: VL041986.D
Acq: 10 Feb 2025 14:08



Tgt Ion:105 Resp: 7005
Ion Ratio Lower Upper
105 100
120 53.2 41.4 62.2
91 12.5 60.2 90.2#
77 13.8 22.0 33.0#

