

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042184.D
 Acq On : 27 Mar 2025 17:45
 Operator : SY/MD
 Sample : Q1649-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 02:14:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	189796	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.953	114	534770	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	486660	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	393734	9.852	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
9) Propene	1.480	41	8849	0.674	ppbv	96
10) Heptane	4.975	43	7062m	0.202	ppbv	
13) Ethanol	1.719	45	3969m	3.200	ppbv	
15) Acetone	1.839	43	23180	0.873	ppbv #	79
26) Hexane	2.823	57	75369	2.832	ppbv #	28
38) Trichloroethene	4.548	130	704m	0.032	ppbv	
52) Tetrachloroethene	8.215	164	13677m	0.651	ppbv	
53) Toluene	6.930	91	16009	0.255	ppbv	91
59) m/p-Xylene	9.529	91	20405m	0.296	ppbv	
60) o-Xylene	9.963	91	8508m	0.123	ppbv	

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

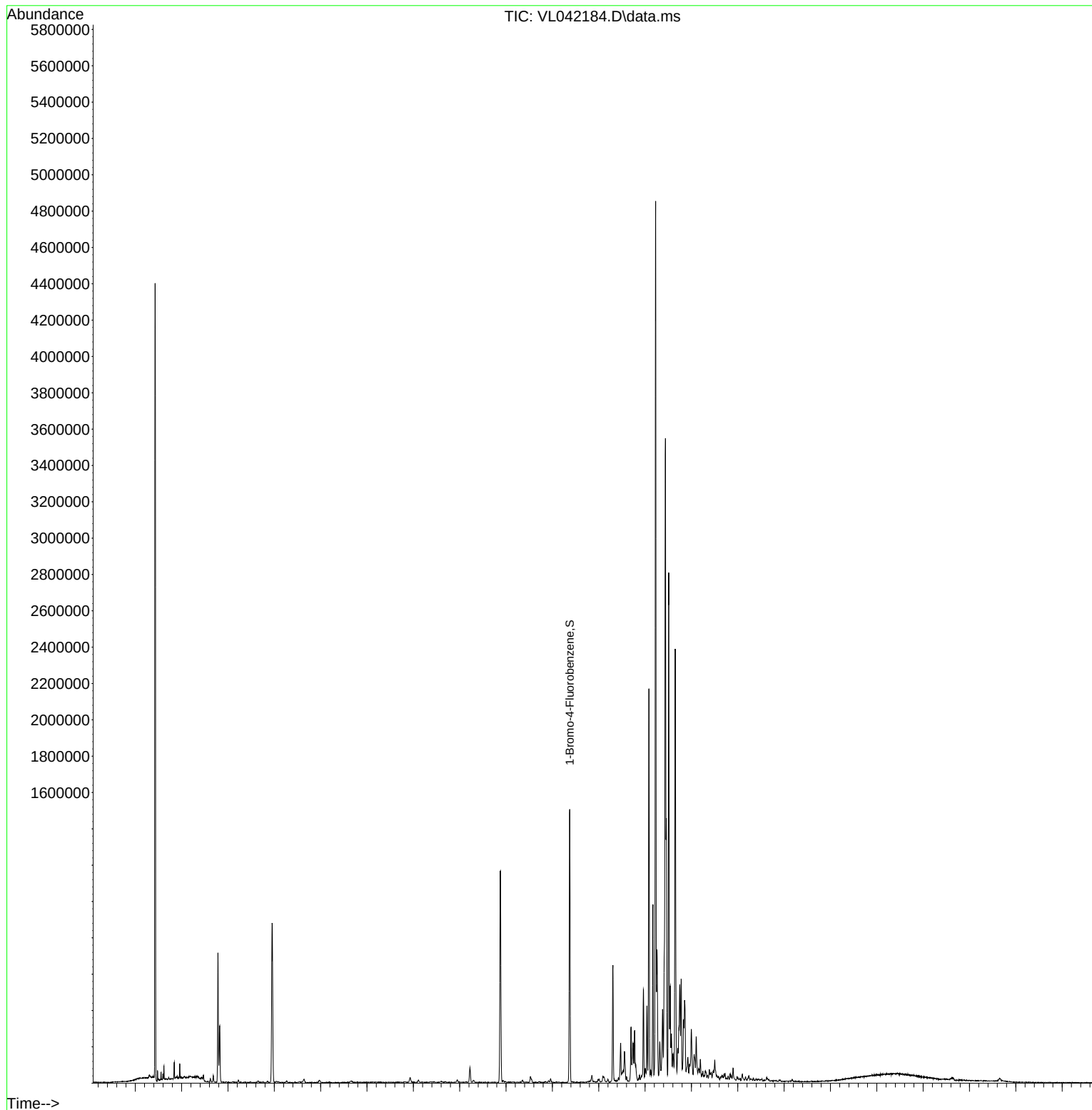
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042184.D
Acq On : 27 Mar 2025 17:45
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Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

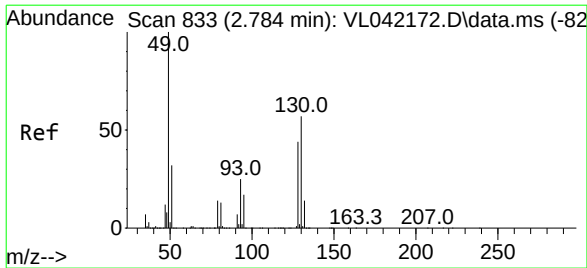
Instrument :
MSVOA_L
ClientSampleId :
SV2

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Quant Time: Mar 28 02:14:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





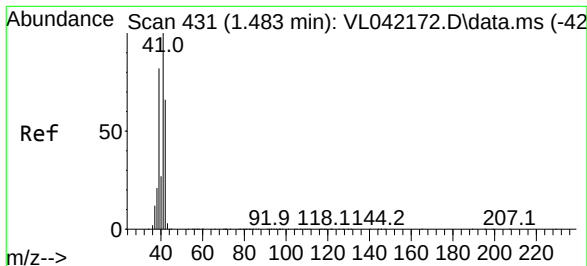
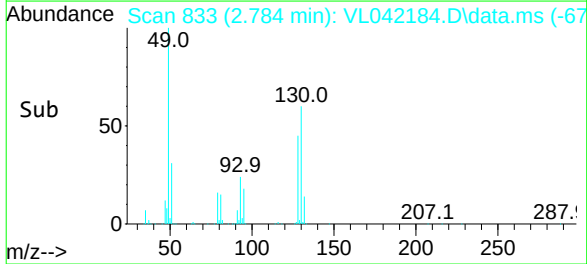
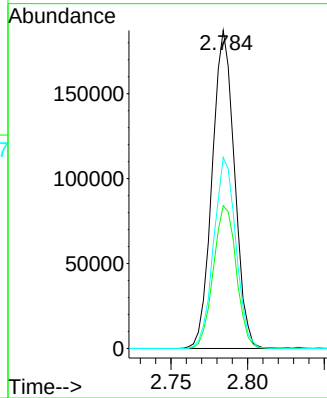
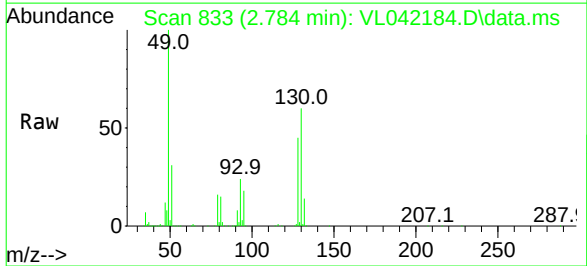
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 189796
Ion Ratio Lower Upper
49 100
128 46.0 22.9 68.5
130 59.8 28.8 86.4

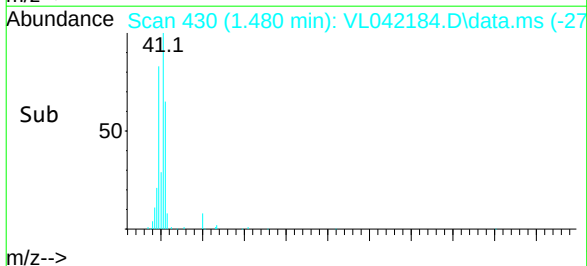
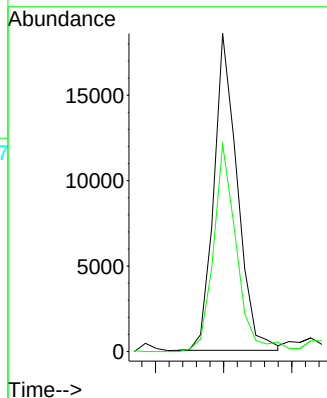
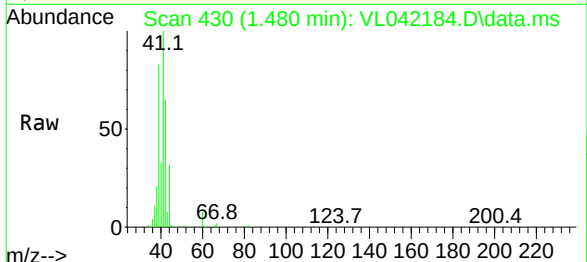
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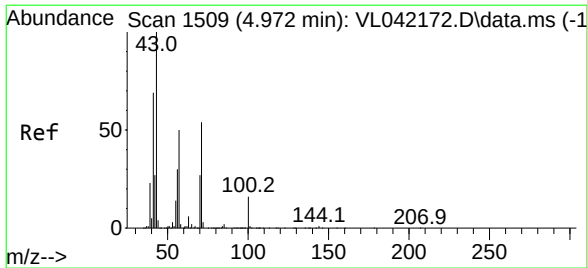
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#9
Propene
Concen: 0.674 ppbv
RT: 1.480 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 41 Resp: 8849
Ion Ratio Lower Upper
41 100
42 72.4 55.4 83.2





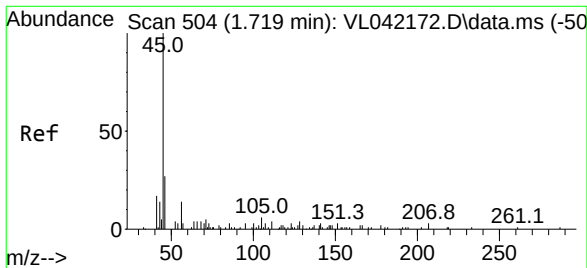
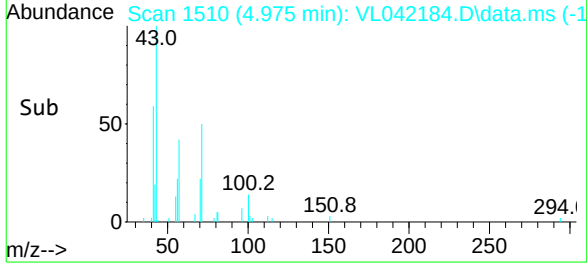
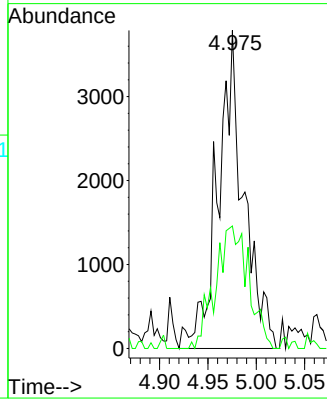
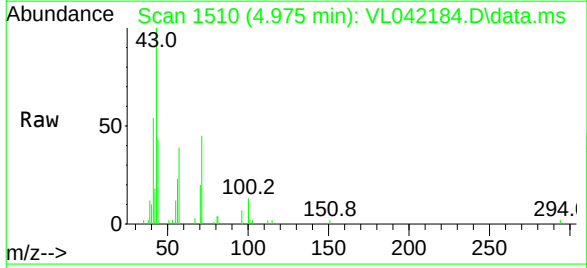
#10
Heptane
Concen: 0.202 ppbv m
RT: 4.975 min Scan# 1509
Delta R.T. 0.003 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 7062
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#

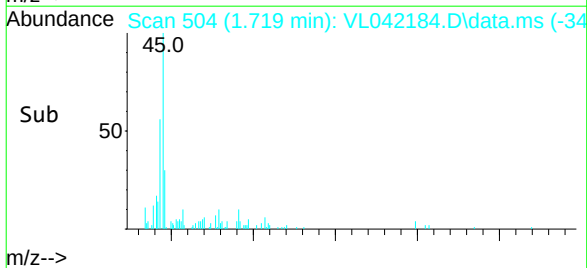
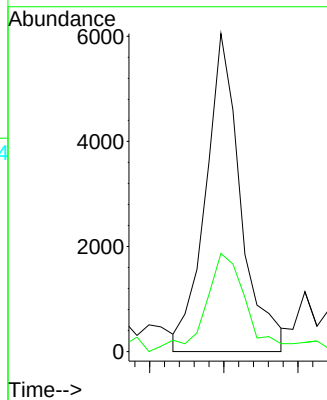
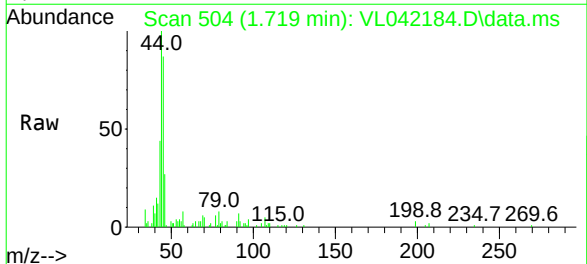
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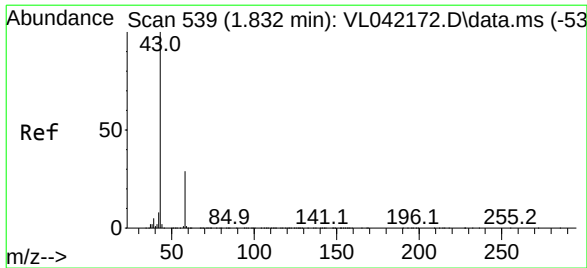
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#13
Ethanol
Concen: 3.200 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 45 Resp: 3969
Ion Ratio Lower Upper
45 100
46 3790.0 20.2 80.8#





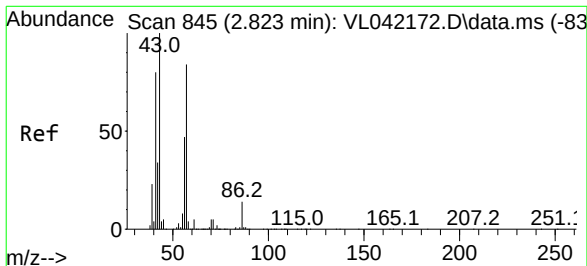
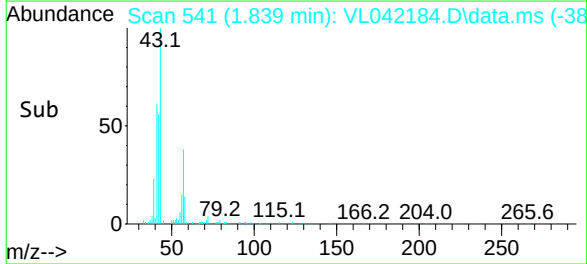
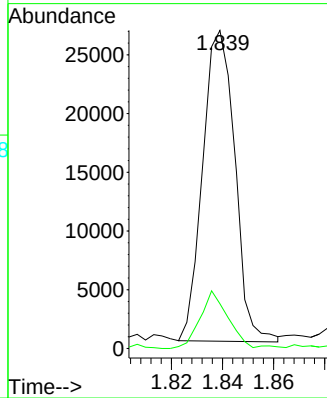
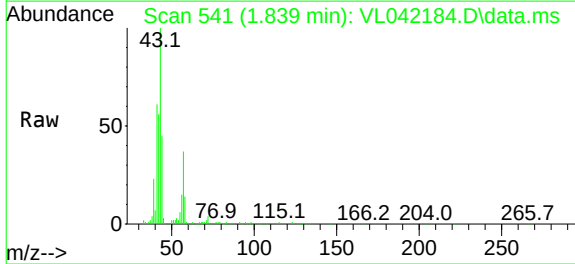
#15
Acetone
Concen: 0.873 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 23180
Ion Ratio Lower Upper
43 100
58 17.7 23.2 34.8#

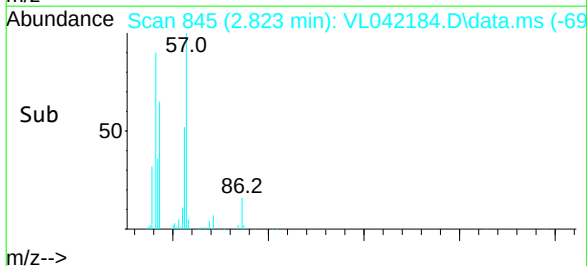
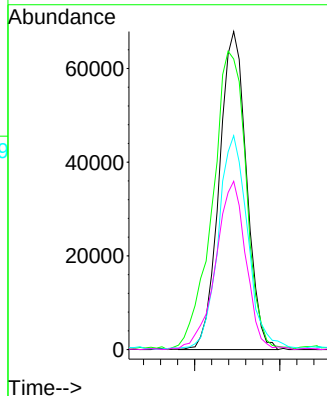
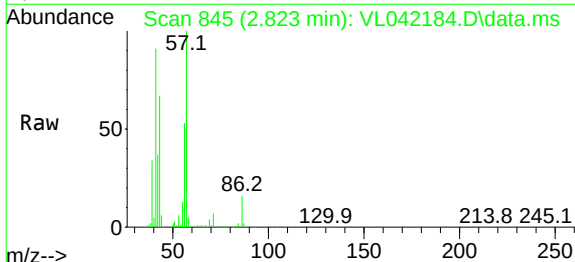
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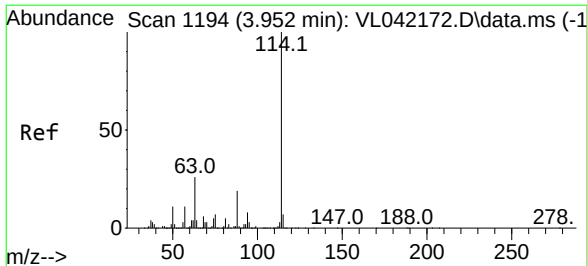
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#26
Hexane
Concen: 2.832 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

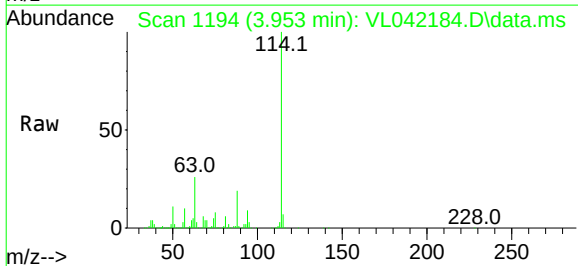
Tgt Ion: 57 Resp: 75369
Ion Ratio Lower Upper
57 100
41 118.0 76.6 114.8#
43 72.8 207.8 311.8#
56 59.0 43.6 65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Instrument :
MSVOA_L
ClientSampleId :
SV2

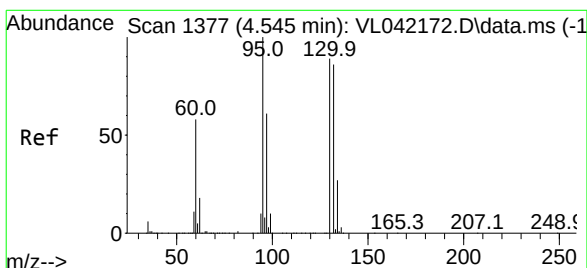
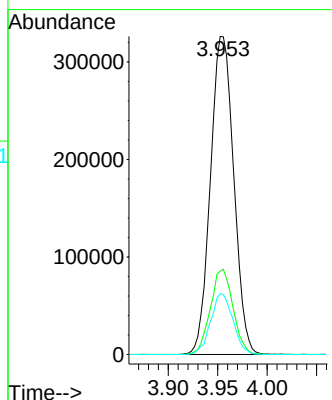
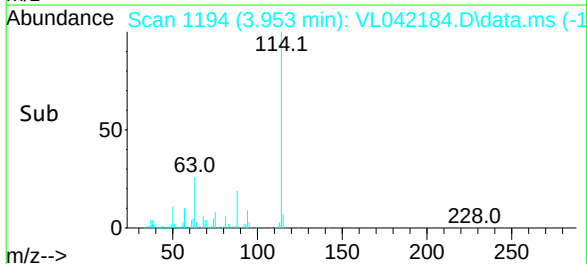


Tgt Ion:114 Resp: 534776

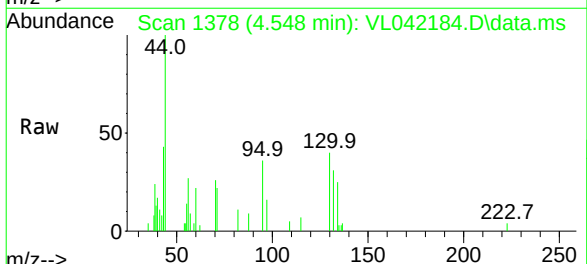
Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	18.3	15.0	22.4

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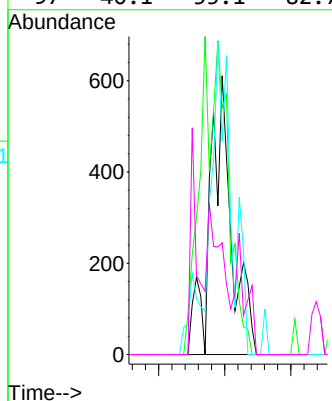
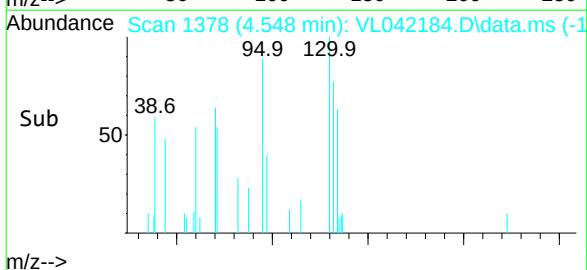


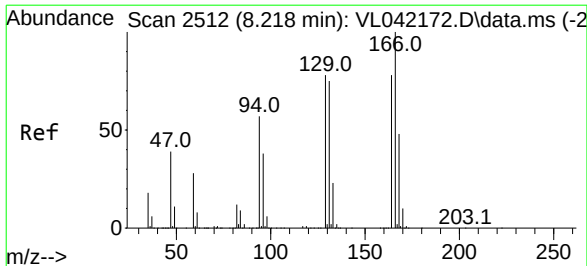
#38
Trichloroethene
Concen: 0.032 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45



Tgt Ion:130 Resp: 704

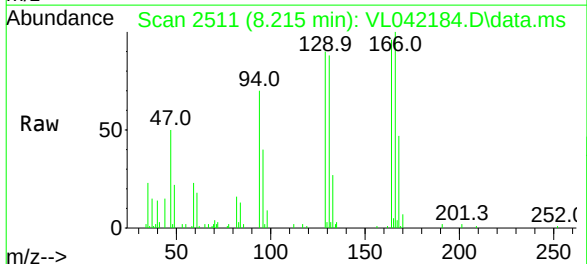
Ion	Ratio	Lower	Upper
130	100		
95	88.5	89.8	134.8#
132	76.6	77.4	116.2#
97	40.1	55.1	82.7#





#52
Tetrachloroethene
Concen: 0.651 ppbv m
RT: 8.215 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

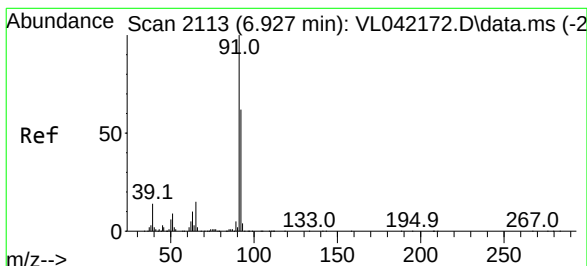
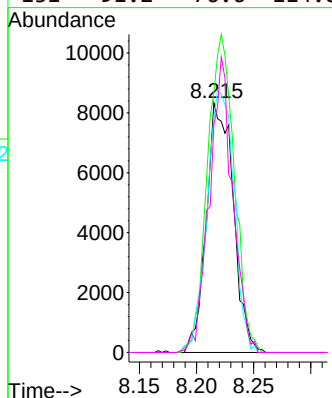
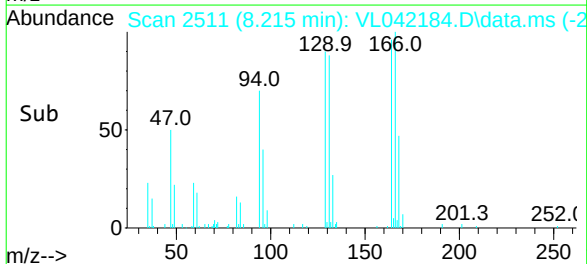
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 164 Resp: 13677
Ion Ratio Lower Upper
164 100
166 104.2 102.5 153.7
129 94.0 79.8 119.8
131 91.2 76.6 114.8

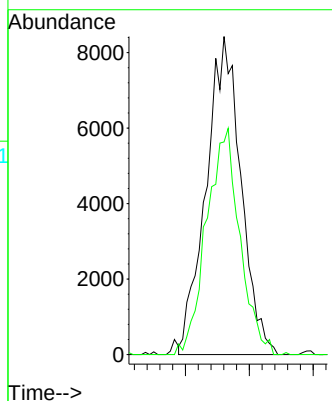
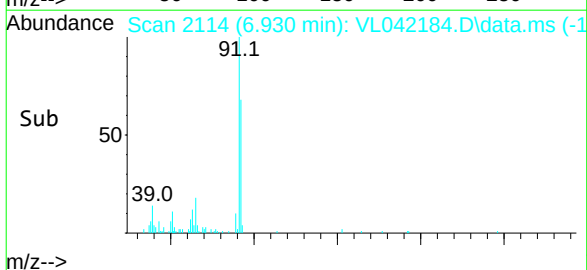
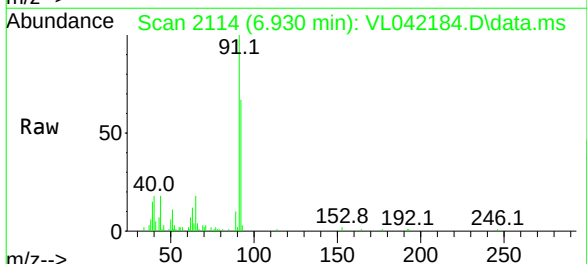
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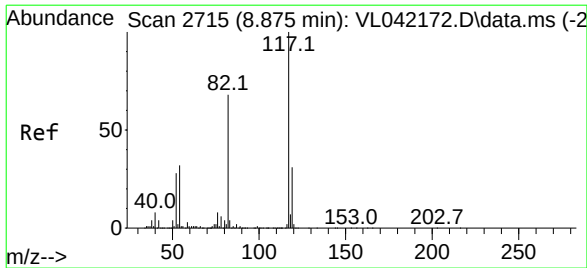
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#53
Toluene
Concen: 0.255 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 91 Resp: 16009
Ion Ratio Lower Upper
91 100
92 67.7 48.4 72.6





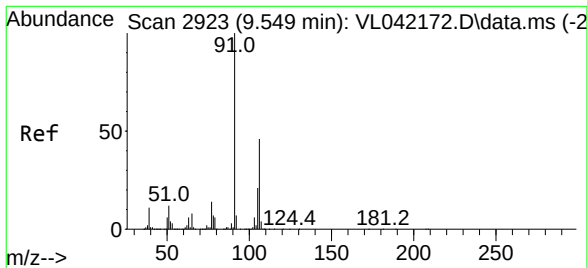
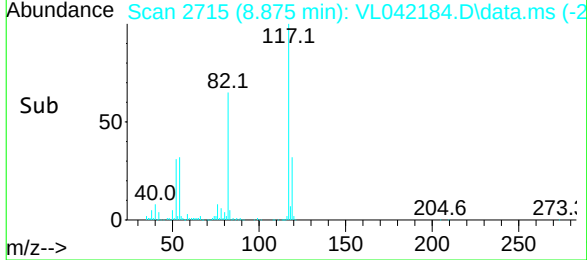
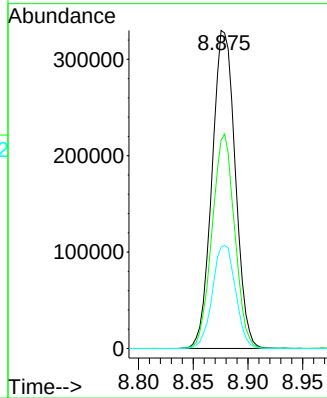
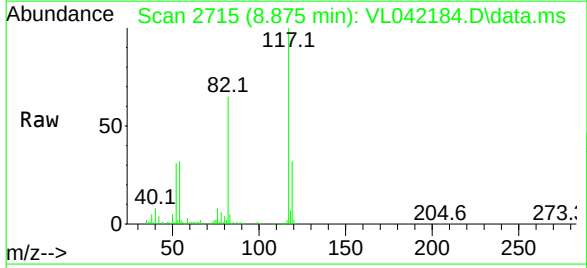
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.000 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:	117	Resp:	486660
Ion	Ratio	Lower	Upper
117	100		
82	65.5	55.8	83.6
119	32.3	25.5	38.3

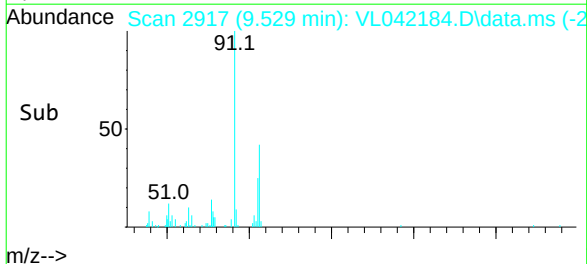
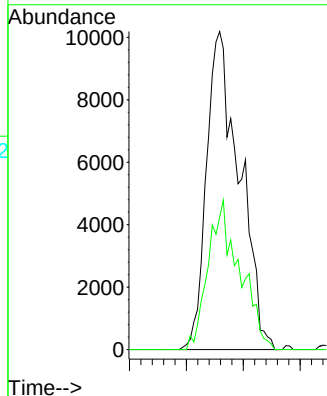
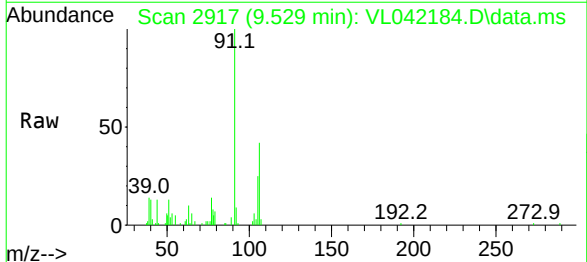
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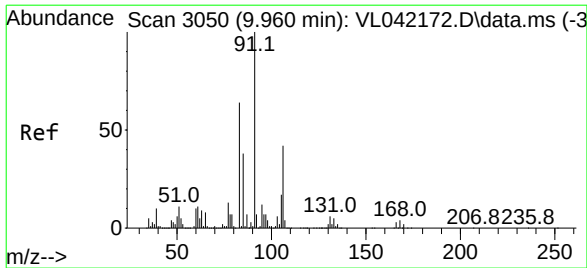
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#59
m/p-Xylene
Concen: 0.296 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.019 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

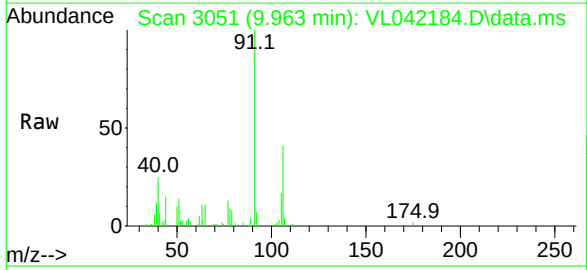
Tgt Ion:	91	Resp:	20405
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6





#60
o-Xylene
Concen: 0.123 ppbv m
RT: 9.963 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

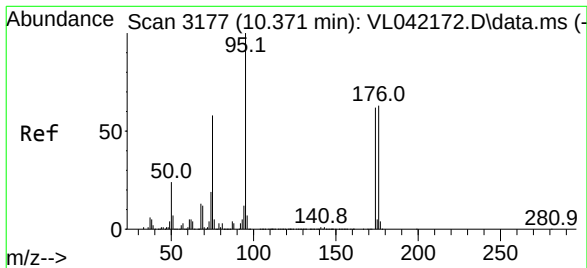
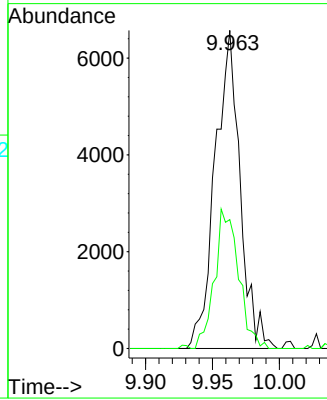
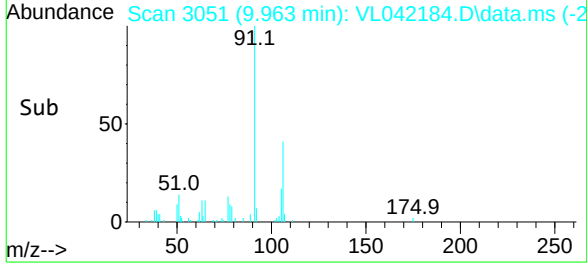
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 8508
Ion Ratio Lower Upper
91 100
106 42.4 20.8 62.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.852 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042184.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 95 Resp: 393734
Ion Ratio Lower Upper
95 100
174 62.2 50.6 76.0
175 4.7 3.8 5.6

