

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042160.D
 Acq On : 17 Mar 2025 16:29
 Operator : SY/MD
 Sample : Q1586-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 557-SG-1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
 Supervised By :Mahesh Dadoda 03/18/2025

Quant Time: Mar 18 01:27:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	161300	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	382035	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	319787	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	247756	10.070	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9100	0.543	ppbv	90
3) Chlorodifluoromethane	1.479	51	5959m	0.254	ppbv	
9) Propene	1.489	41	4206	0.440	ppbv	98
11) Trichlorofluoromethane	1.884	101	5102	0.304	ppbv	99
13) Ethanol	1.728	45	31482	51.928	ppbv	96
15) Acetone	1.842	43	118891	8.346	ppbv	95
17) tert-Butyl alcohol	2.052	59	3500	0.196	ppbv #	72
20) Methylene Chloride	2.068	84	2251	0.418	ppbv	91
26) Hexane	2.835	57	5572	0.242	ppbv #	34
27) Carbon Disulfide	2.159	76	24955	1.597	ppbv #	68
29) Chloroform	2.858	83	23198	0.748	ppbv	98
34) 2-Butanone	2.573	43	18773	0.631	ppbv	97
35) Carbon Tetrachloride	3.780	117	2093m	0.079	ppbv	
36) Benzene	3.670	78	4525m	0.113	ppbv	
52) Tetrachloroethene	8.247	164	41926m	3.062	ppbv	

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

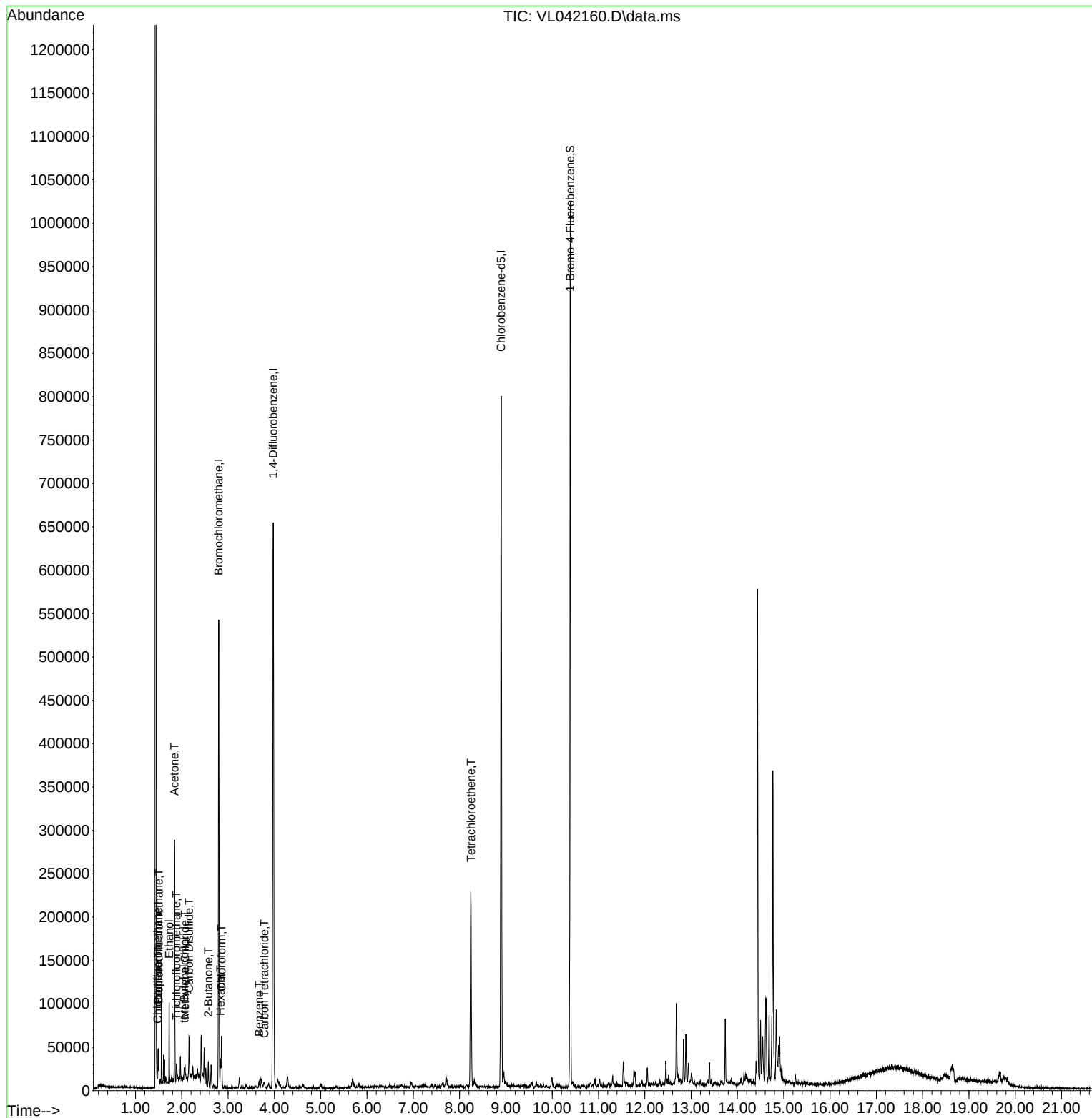
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042160.D
Acq On : 17 Mar 2025 16:29
Operator : SY/MD
Sample : Q1586-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

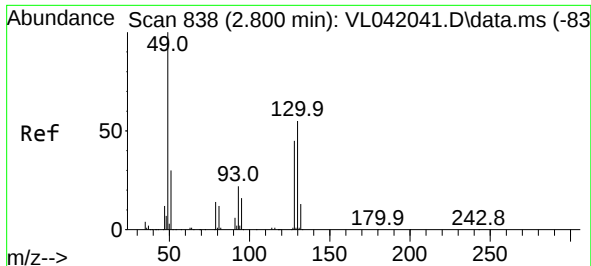
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP

Quant Time: Mar 18 01:27:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

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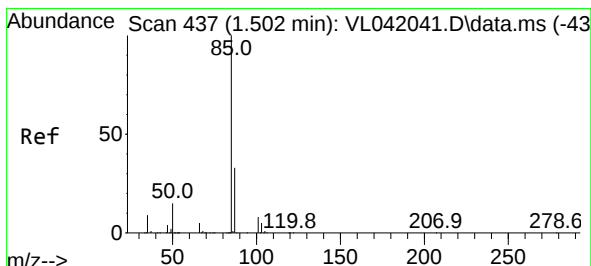
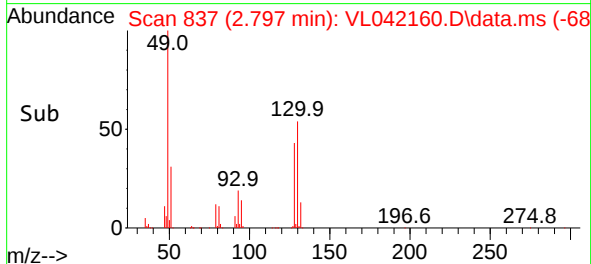
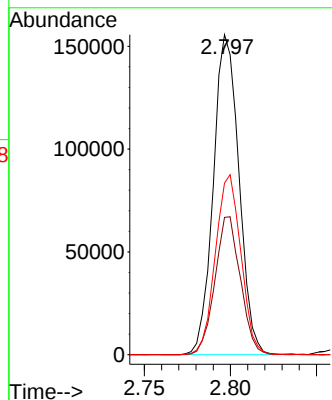
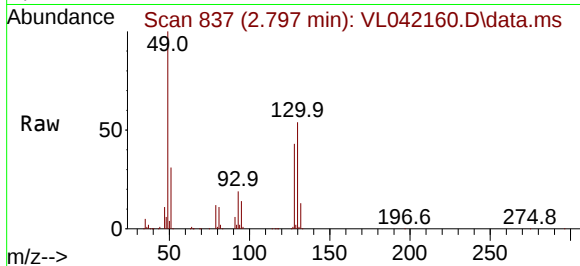
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP

Tgt Ion: 49 Resp: 161300
Ion Ratio Lower Upper
49 100
128 43.0 21.6 64.8
130 56.1 27.8 83.4

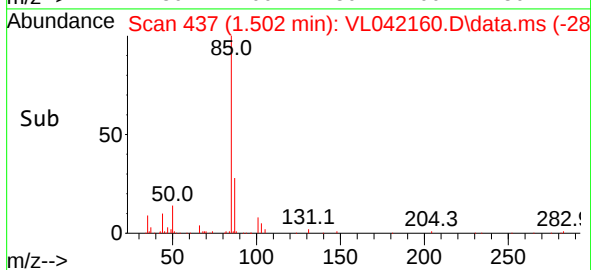
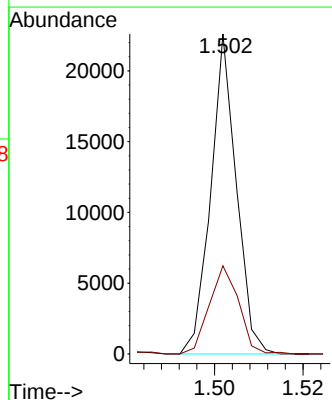
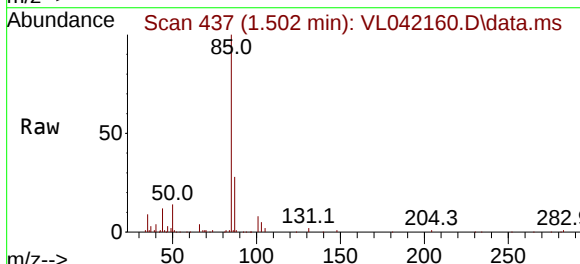
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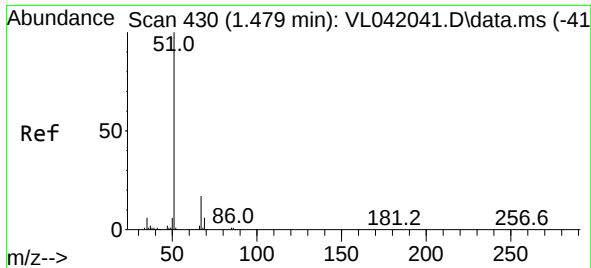
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#2
Dichlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

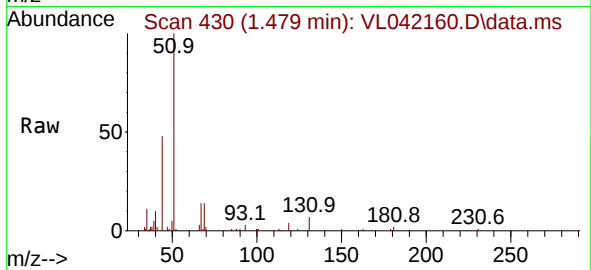
Tgt Ion: 85 Resp: 9100
Ion Ratio Lower Upper
85 100
87 27.5 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.254 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

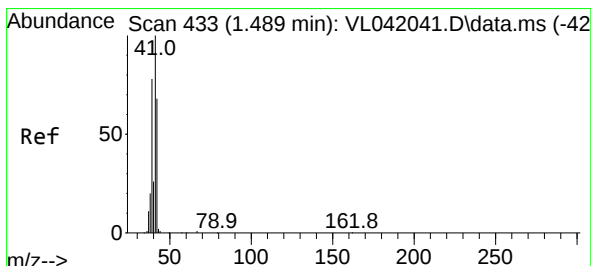
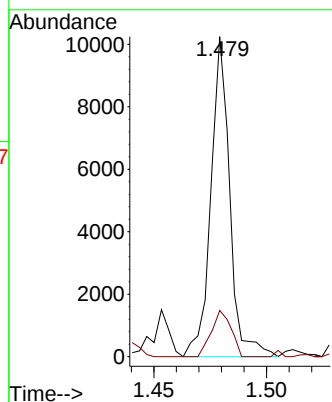
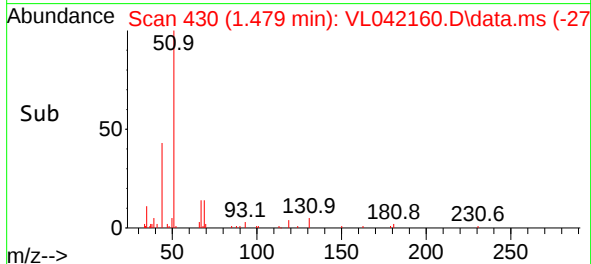
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP



Tgt Ion: 51 Resp: 595
Ion Ratio Lower Upper
51 100
67 2.8 13.7 20.5

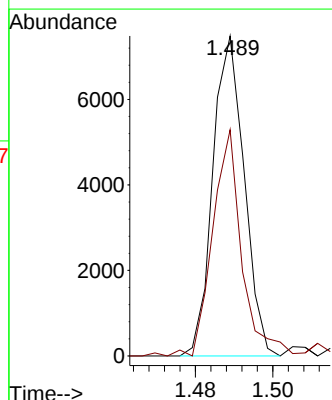
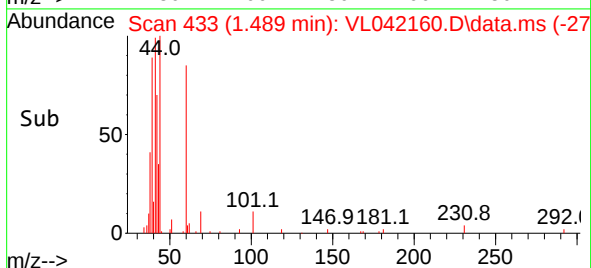
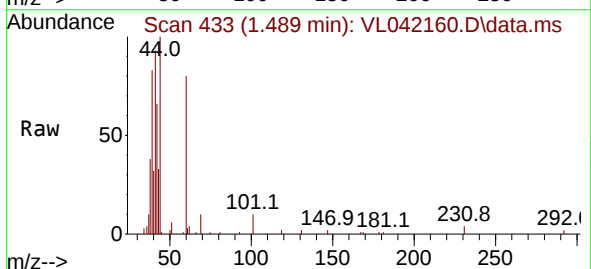
Manual Integrations
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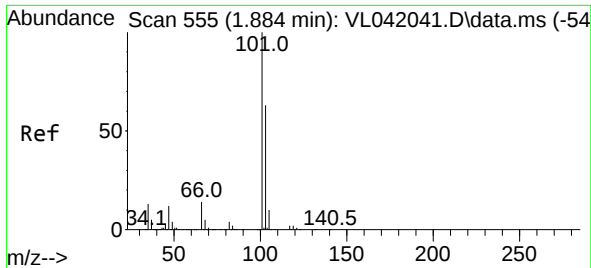
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#9
Propene
Concen: 0.440 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

Tgt Ion: 41 Resp: 4206
Ion Ratio Lower Upper
41 100
42 71.4 55.8 83.6





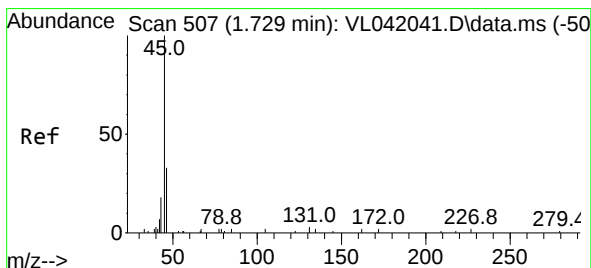
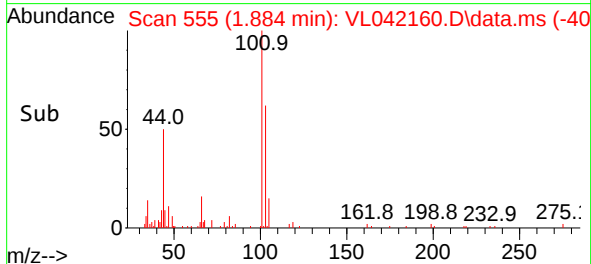
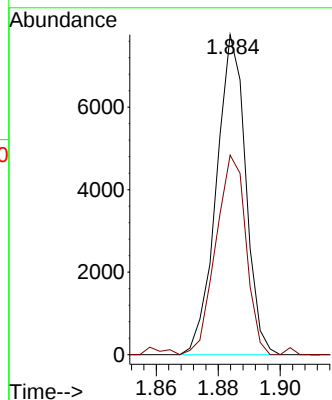
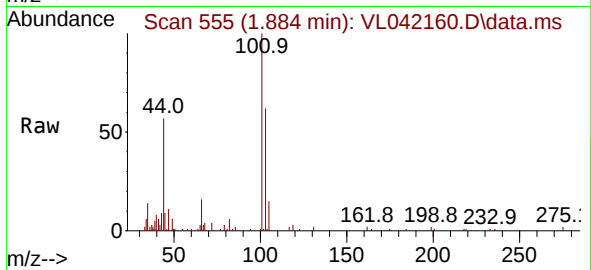
#11
Trichlorofluoromethane
Concen: 0.304 ppbv
RT: 1.884 min Scan# 510
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP

Tgt Ion:101 Resp: 510
Ion Ratio Lower Upper
101 100
103 62.3 50.6 75.8

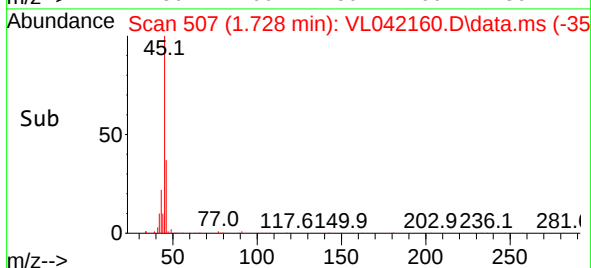
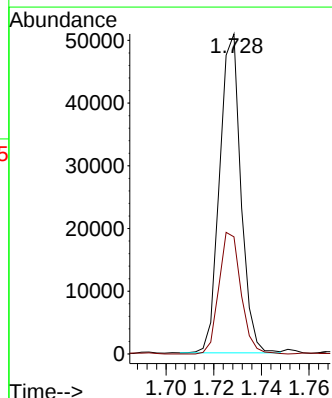
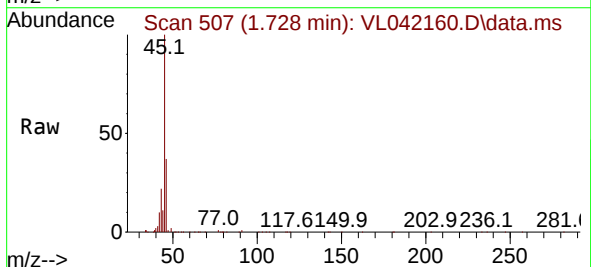
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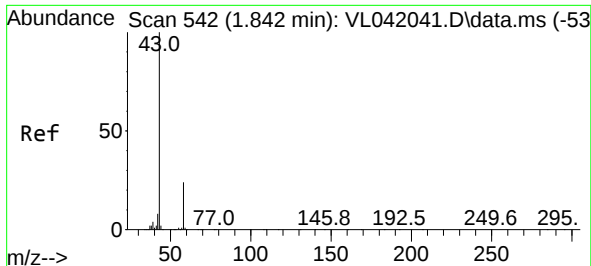
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#13
Ethanol
Concen: 51.928 ppbv
RT: 1.728 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

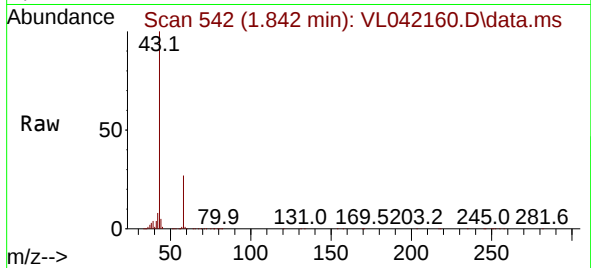
Tgt Ion: 45 Resp: 31482
Ion Ratio Lower Upper
45 100
46 40.3 17.1 68.3





#15
Acetone
Concen: 8.346 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

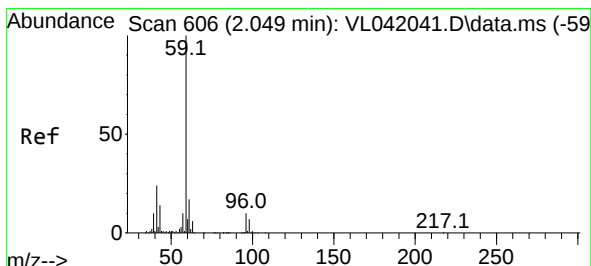
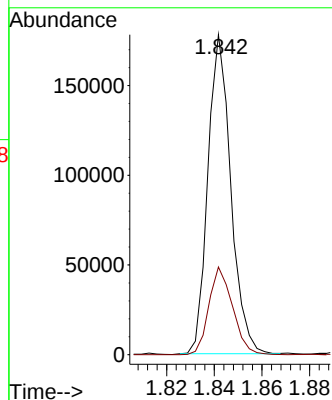
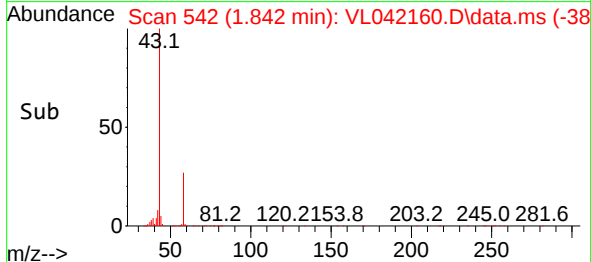
Instrument : MSVOA_L
ClientSampleId : 557-SG-1DUP



Tgt Ion: 43 Resp: 11889
Ion Ratio Lower Upper
43 100
58 28.4 20.7 31.1

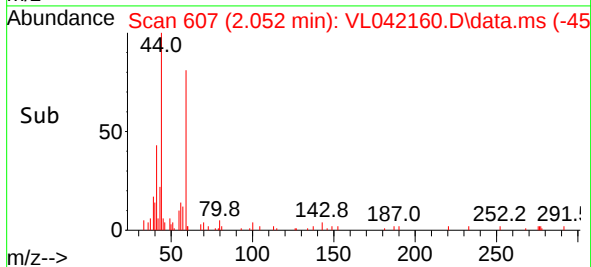
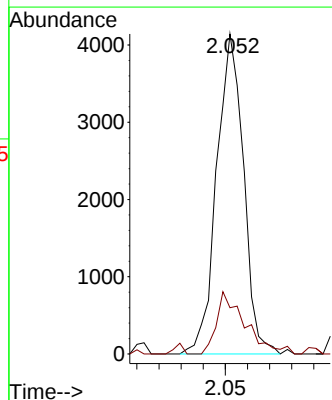
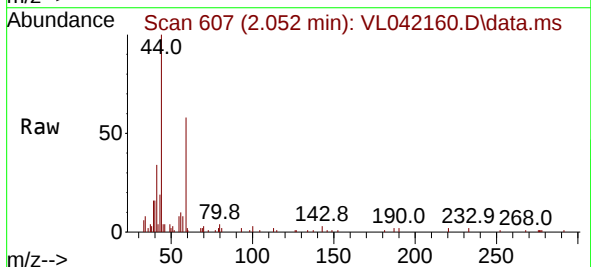
Manual Integrations
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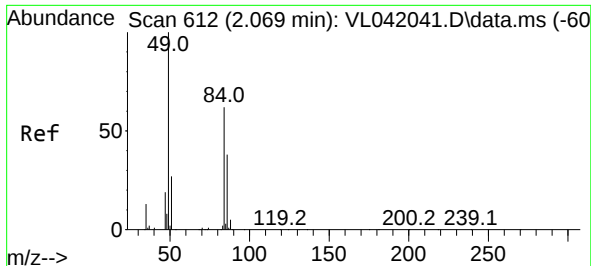
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#17
tert-Butyl alcohol
Concen: 0.196 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

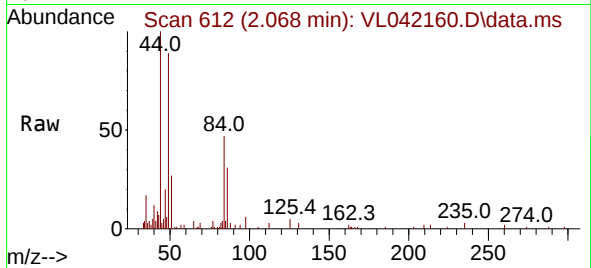
Tgt Ion: 59 Resp: 3500
Ion Ratio Lower Upper
59 100
57 22.4 9.3 13.9#





#20
Methylene Chloride
Concen: 0.418 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

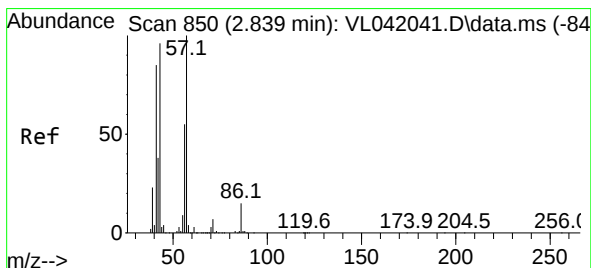
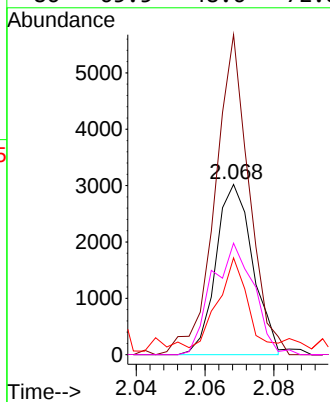
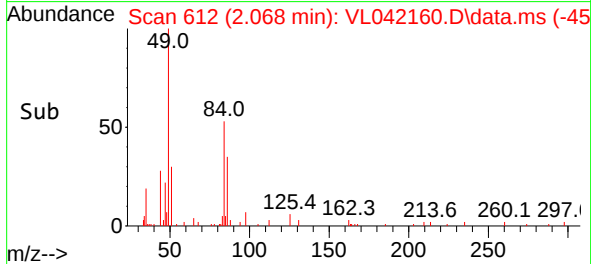
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP



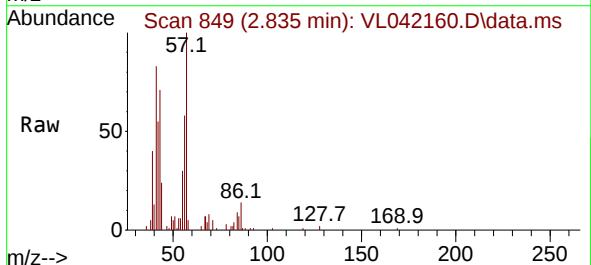
Tgt Ion: 84 Resp: 225
Ion Ratio Lower Upper
84 100
49 177.4 130.0 195.0
51 50.0 37.4 56.0
86 65.5 48.6 72.8

Manual Integrations
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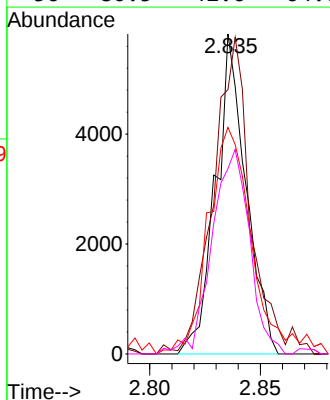
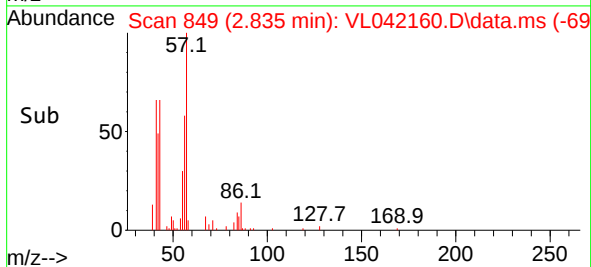
Reviewed By :Semsettin Yesilyurt 03/18/2025
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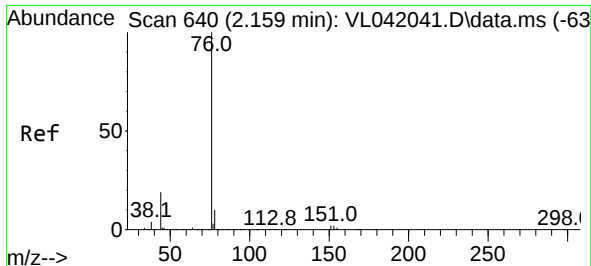


#26
Hexane
Concen: 0.242 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29



Tgt Ion: 57 Resp: 5572
Ion Ratio Lower Upper
57 100
41 121.6 70.6 106.0#
43 105.0 199.4 299.0#
56 80.5 42.6 64.0#





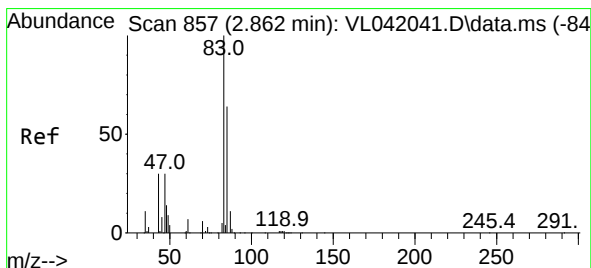
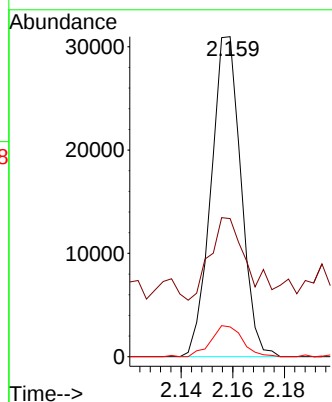
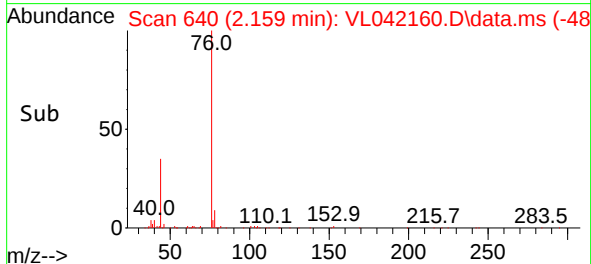
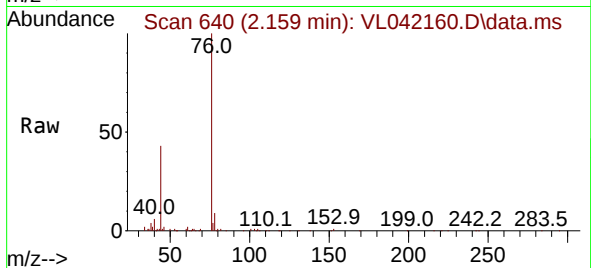
#27
Carbon Disulfide
Concen: 1.597 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

Instrument : MSVOA_L
ClientSampleId : 557-SG-1DUP

Tgt Ion: 76 Resp: 2495
Ion Ratio Lower Upper
76 100
44 42.3 16.2 24.2
78 10.4 9.4 14.0

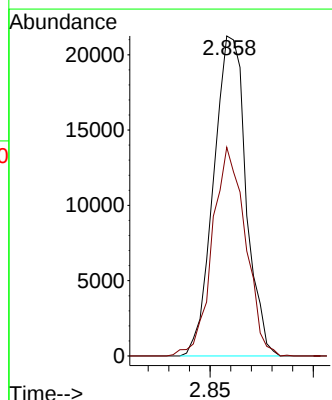
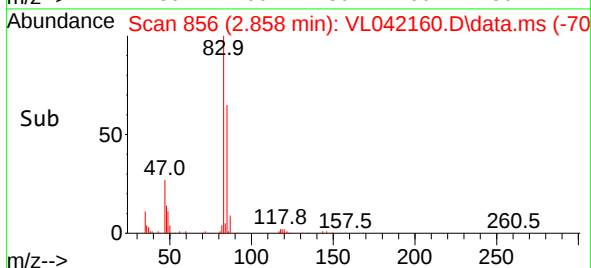
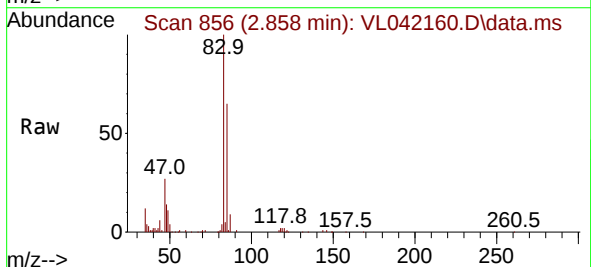
Manual Integrations
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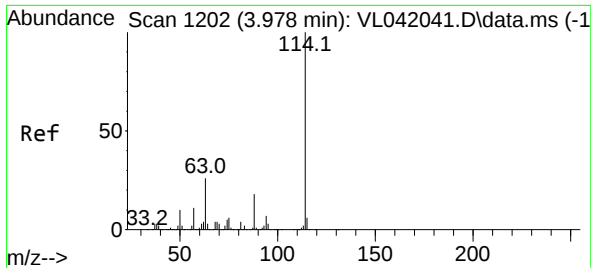
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#29
Chloroform
Concen: 0.748 ppbv
RT: 2.858 min Scan# 856
Delta R.T. -0.004 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

Tgt Ion: 83 Resp: 23198
Ion Ratio Lower Upper
83 100
85 65.2 51.2 76.8





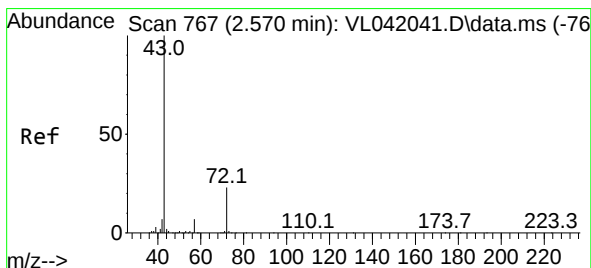
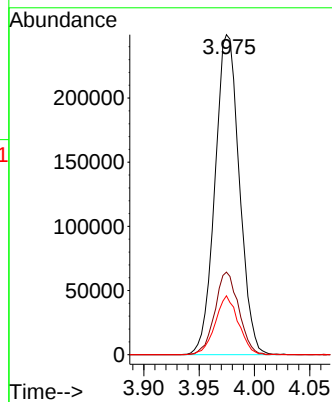
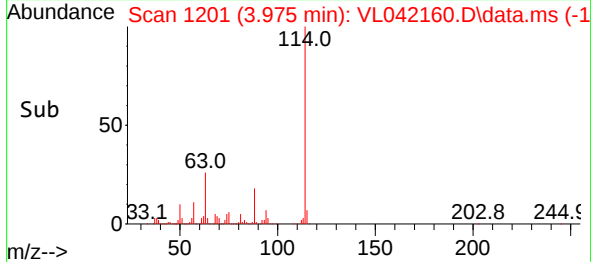
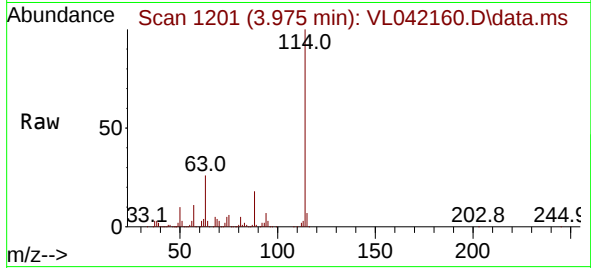
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP

Tgt Ion:114 Resp: 382035
Ion Ratio Lower Upper
114 100
63 25.4 20.1 30.1
88 17.5 14.3 21.5

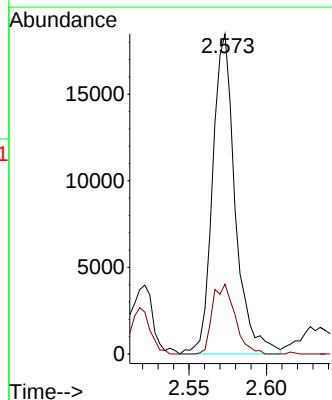
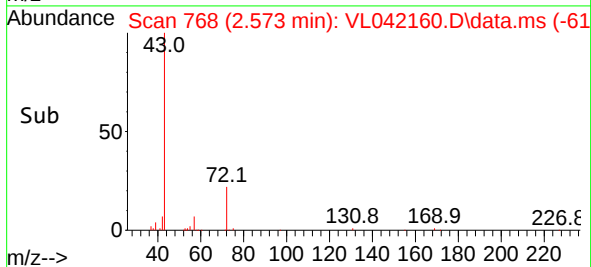
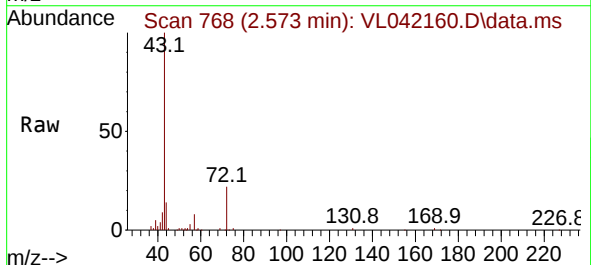
Manual Integrations
APPROVED

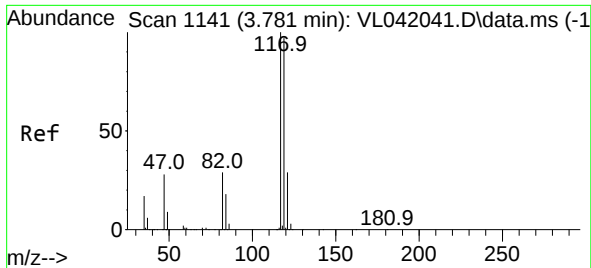
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#34
2-Butanone
Concen: 0.631 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

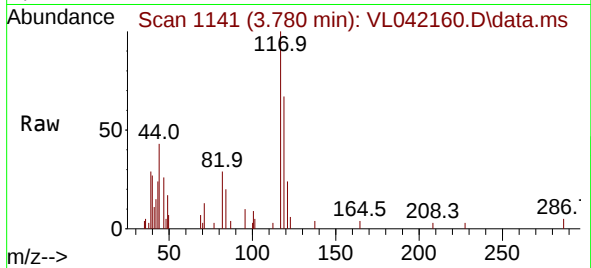
Tgt Ion: 43 Resp: 18773
Ion Ratio Lower Upper
43 100
72 21.8 18.5 27.7





#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 3.780 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

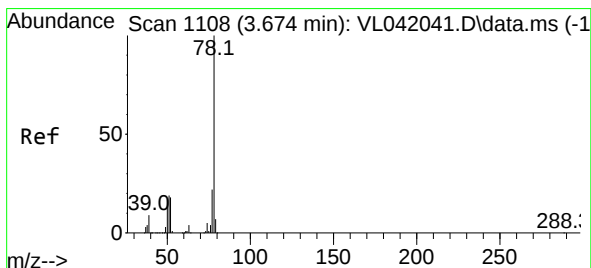
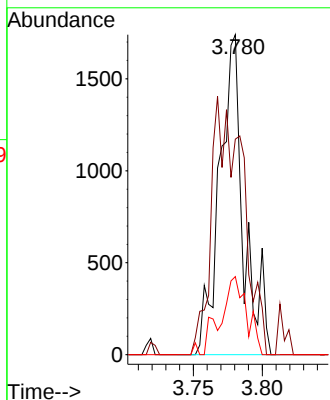
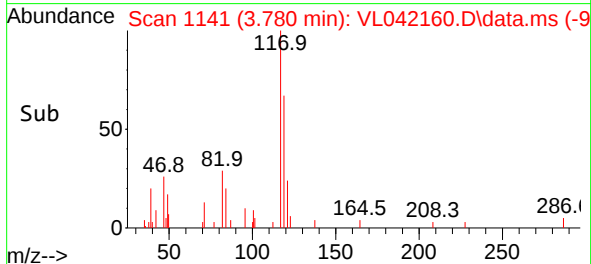
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP



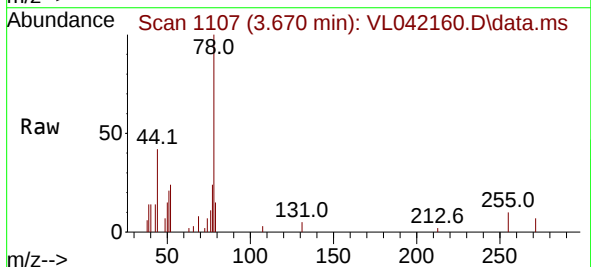
Tgt Ion:117 Resp: 209
Ion Ratio Lower Upper
117 100
119 67.4 77.8 116.8
121 24.4 23.4 35.0

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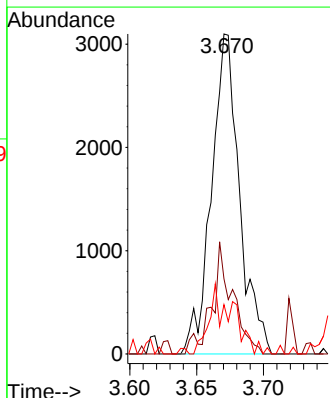
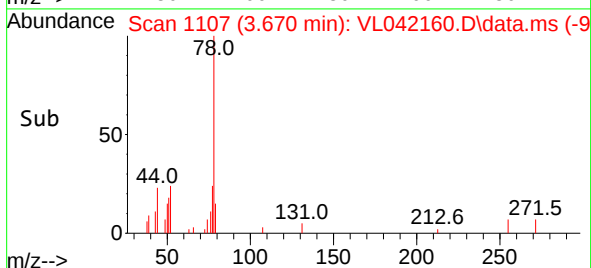
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

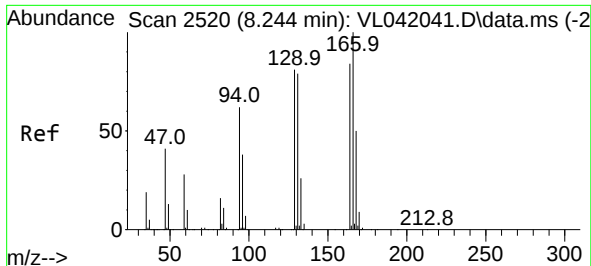


#36
Benzene
Concen: 0.113 ppbv m
RT: 3.670 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29



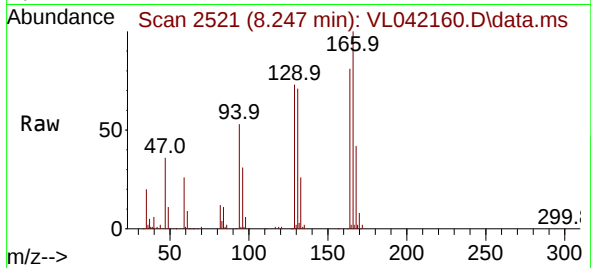
Tgt Ion: 78 Resp: 4525
Ion Ratio Lower Upper
78 100
77 23.5 17.7 26.5
50 15.4 13.9 20.9





#52
Tetrachloroethene
Concen: 3.062 ppbv m
RT: 8.247 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

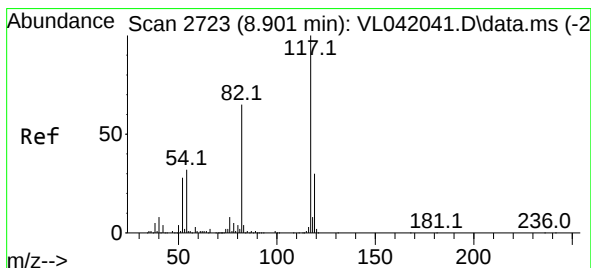
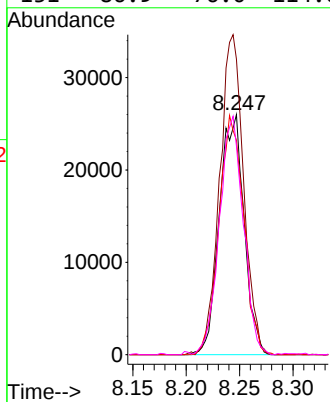
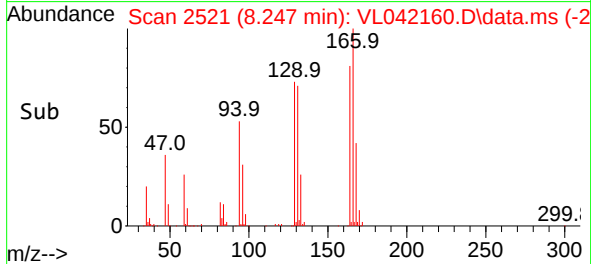
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1DUP



Tgt Ion:164 Resp: 41920
Ion Ratio Lower Upper
164 100
166 123.2 95.7 143.5
129 89.4 77.1 115.7
131 86.9 76.0 114.0

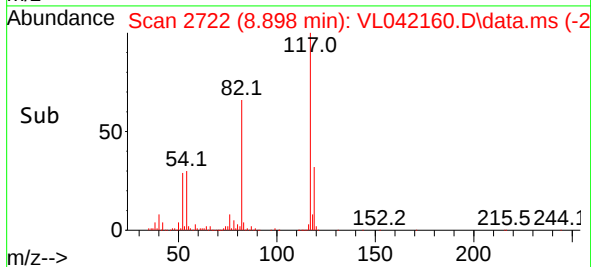
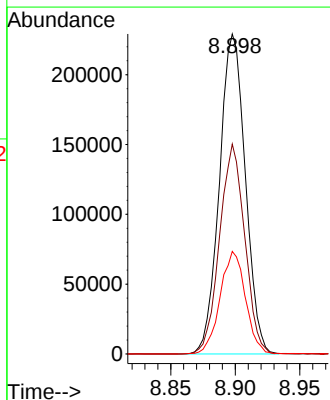
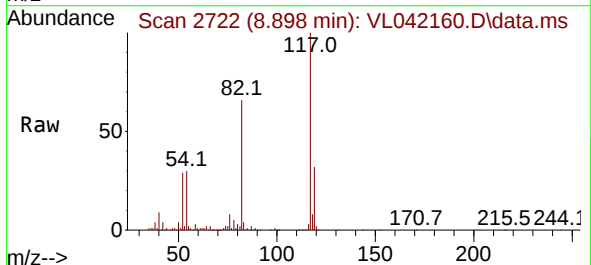
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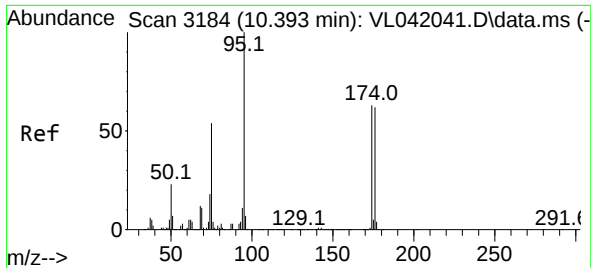
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042160.D
Acq: 17 Mar 2025 16:29

Tgt Ion:117 Resp: 319787
Ion Ratio Lower Upper
117 100
82 63.8 55.0 82.6
119 31.5 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.070 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042160.D
 Acq: 17 Mar 2025 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 557-SG-1DUP

Tgt Ion: 95 Resp: 247750
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.8 77.6
 175 4.7 3.9 5.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/18/2025
 Supervised By :Mahesh Dadoda 03/18/2025

