

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042159.D
 Acq On : 17 Mar 2025 15:53
 Operator : SY/MD
 Sample : Q1586-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 557-SG-1

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 01:26:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	161407	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	390134	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	319342	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	249363	10.150	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9053	0.539	ppbv	99
3) Chlorodifluoromethane	1.479	51	7553	0.322	ppbv	98
9) Propene	1.486	41	4387m	0.459	ppbv	
11) Trichlorofluoromethane	1.881	101	5286	0.314	ppbv	93
13) Ethanol	1.725	45	34953	57.615	ppbv	90
15) Acetone	1.842	43	121151	8.499	ppbv	98
17) tert-Butyl alcohol	2.049	59	4187	0.235	ppbv #	82
20) Methylene Chloride	2.068	84	2702	0.501	ppbv #	78
26) Hexane	2.839	57	6791	0.294	ppbv #	35
27) Carbon Disulfide	2.156	76	23496	1.503	ppbv #	1
29) Chloroform	2.858	83	24129	0.777	ppbv	97
34) 2-Butanone	2.570	43	20731	0.682	ppbv	96
35) Carbon Tetrachloride	3.780	117	2229m	0.083	ppbv	
36) Benzene	3.674	78	4592	0.112	ppbv #	94
52) Tetrachloroethene	8.241	164	43646	3.122	ppbv	96

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

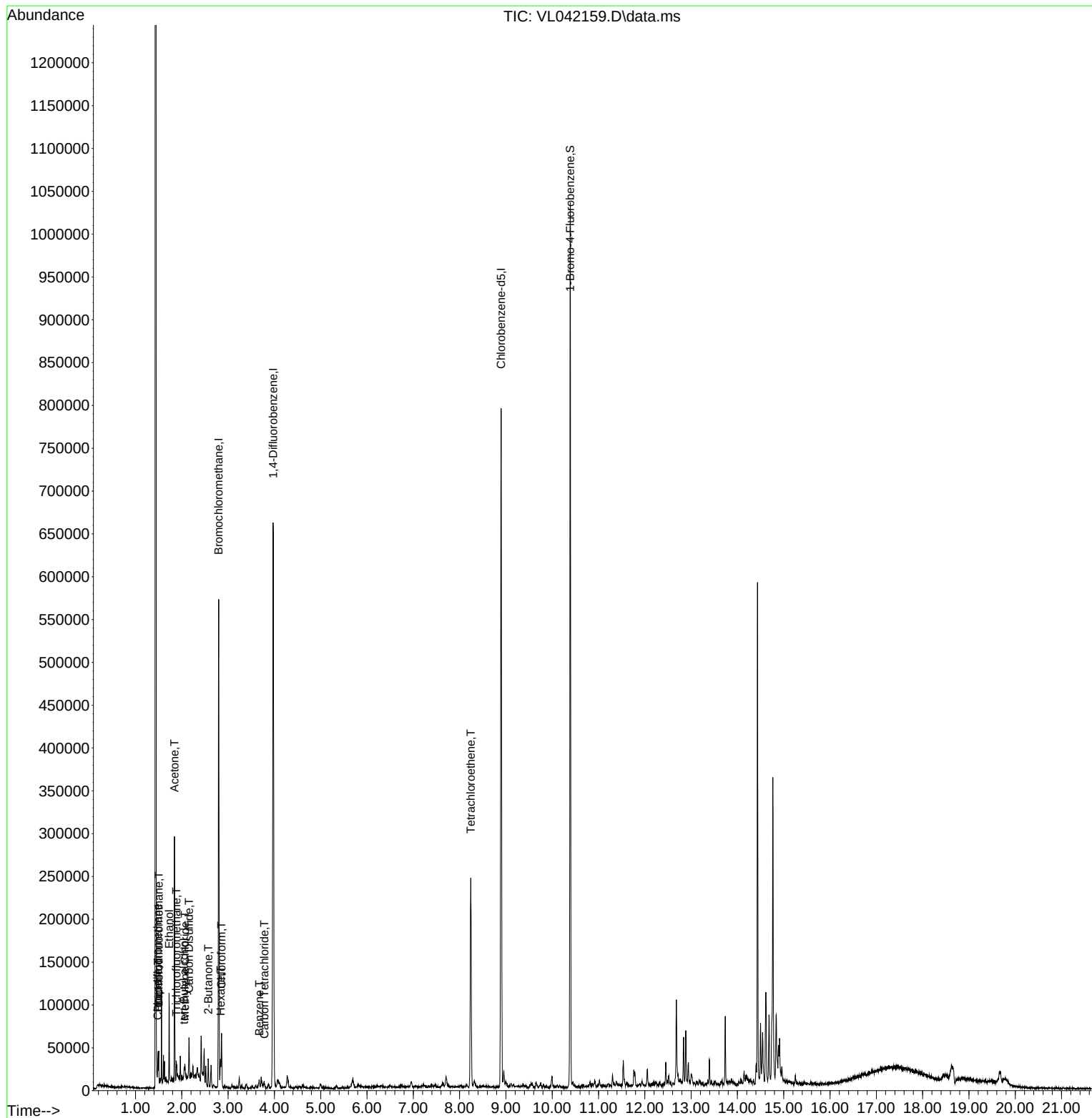
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042159.D
Acq On : 17 Mar 2025 15:53
Operator : SY/MD
Sample : Q1586-02
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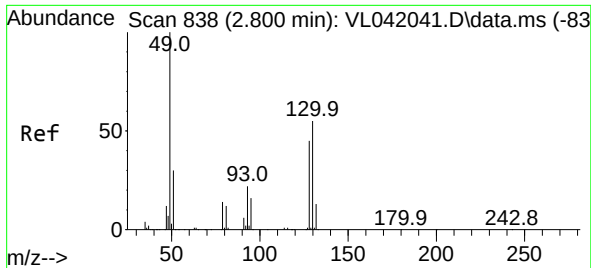
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Quant Time: Mar 18 01:26:53 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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Supervised By : Mahesh Dadoda 03/18/2025





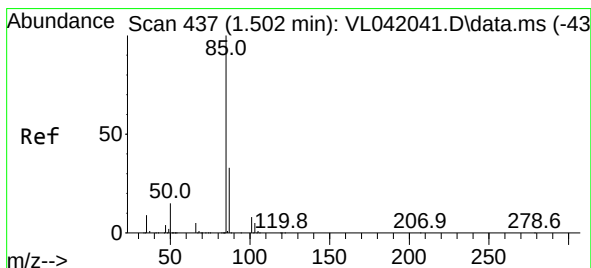
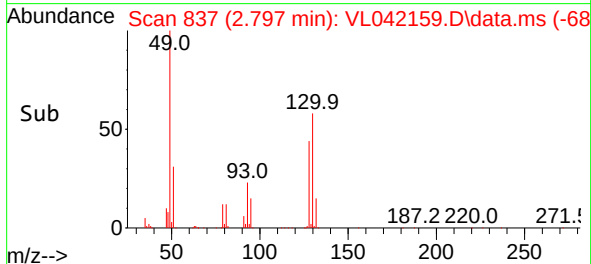
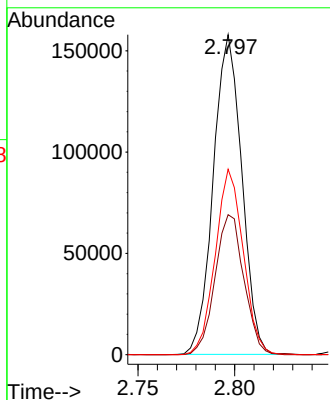
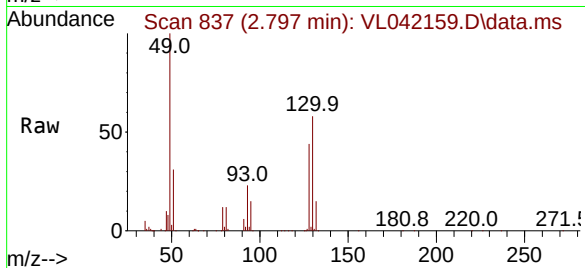
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 49 Resp: 16140
Ion Ratio Lower Upper
49 100
128 44.3 21.6 64.8
130 57.2 27.8 83.4

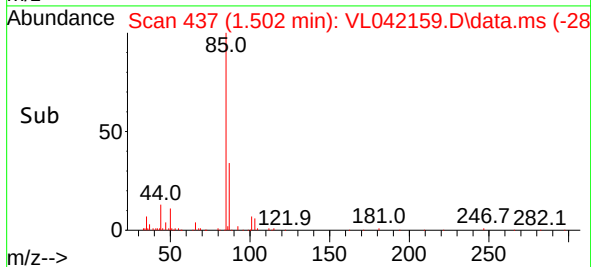
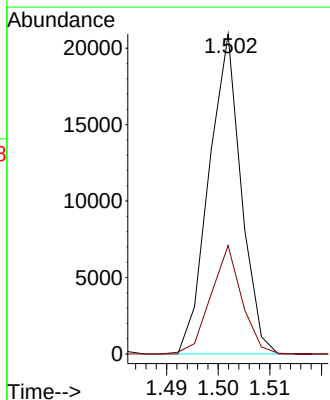
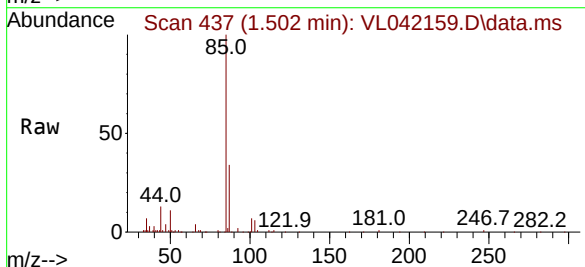
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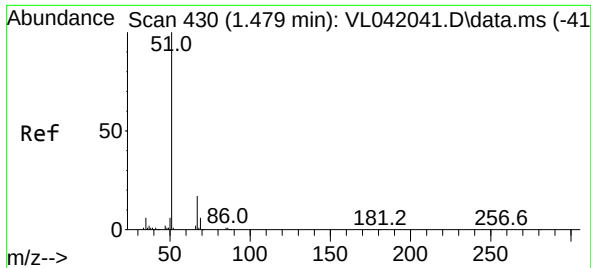
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#2
Dichlorodifluoromethane
Concen: 0.539 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

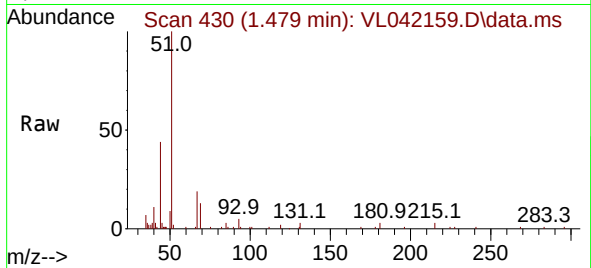
Tgt Ion: 85 Resp: 9053
Ion Ratio Lower Upper
85 100
87 33.6 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

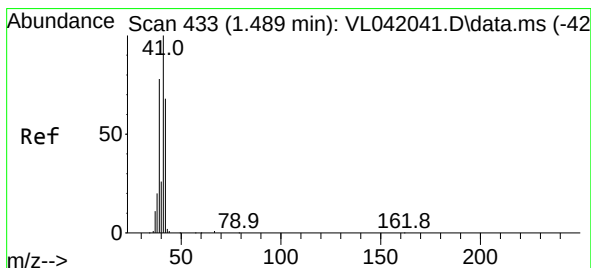
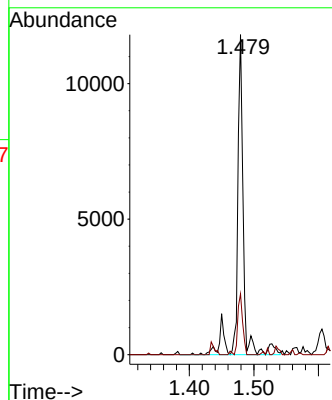
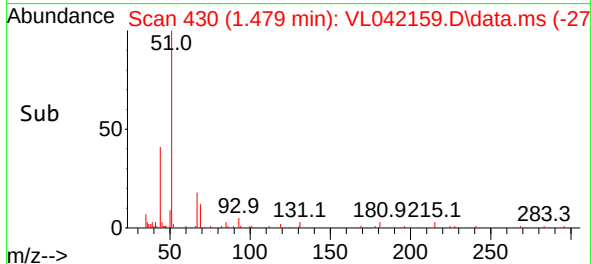
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1



Tgt Ion: 51 Resp: 755
Ion Ratio Lower Upper
51 100
67 16.0 13.7 20.5

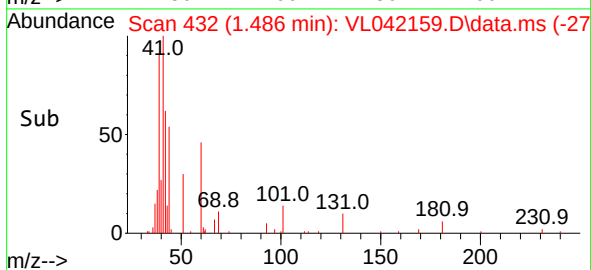
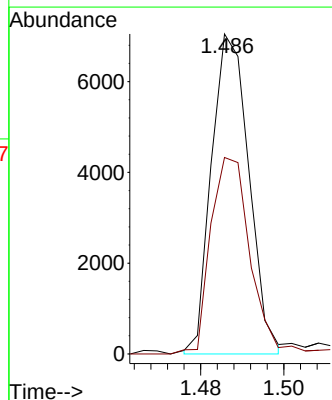
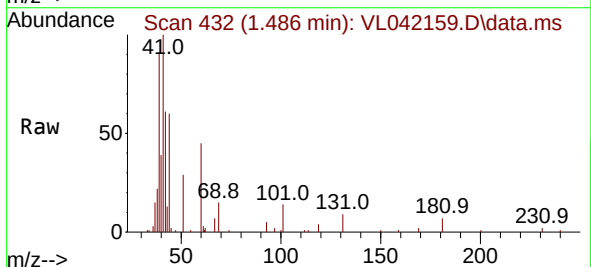
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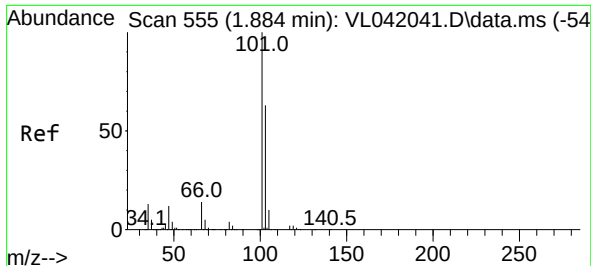
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#9
Propene
Concen: 0.459 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 41 Resp: 4387
Ion Ratio Lower Upper
41 100
42 65.6 55.8 83.6





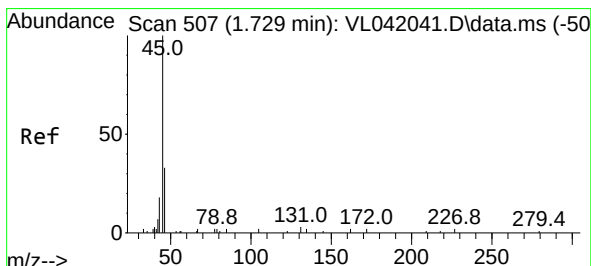
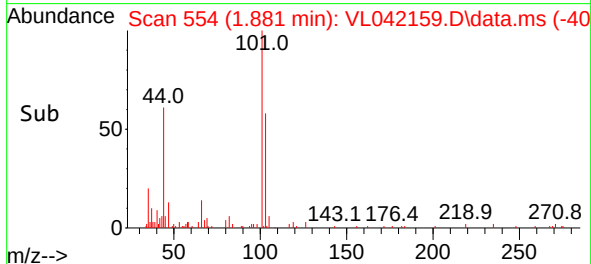
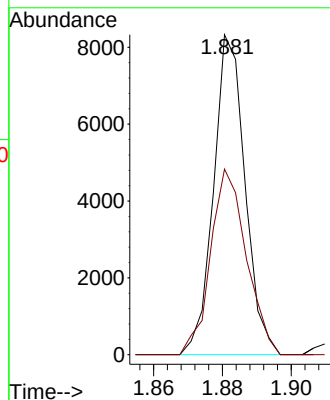
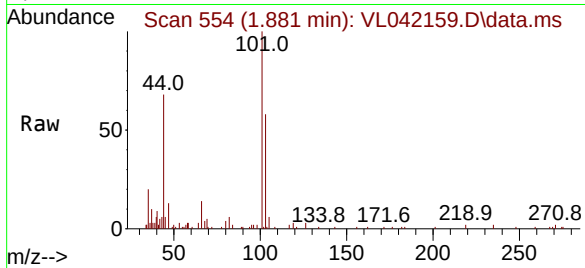
#11
Trichlorofluoromethane
Concen: 0.314 ppbv
RT: 1.881 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion:101 Resp: 5280
Ion Ratio Lower Upper
101 100
103 58.0 50.6 75.8

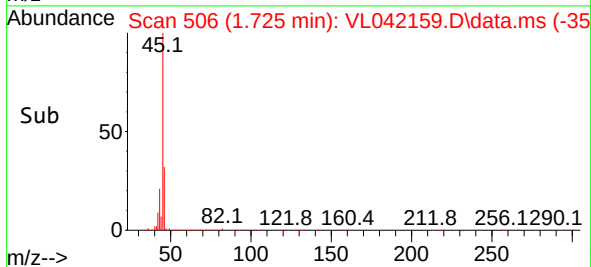
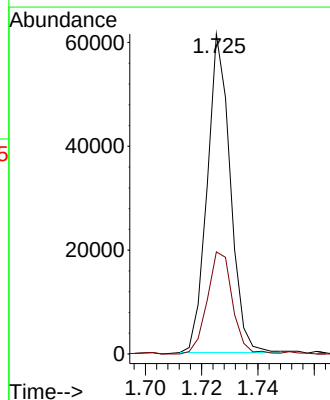
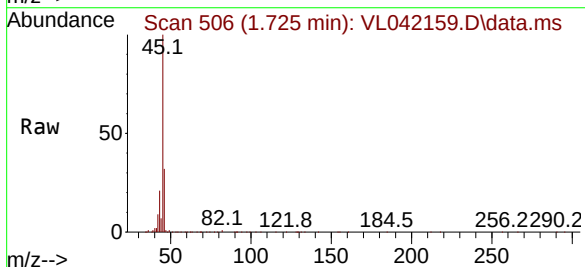
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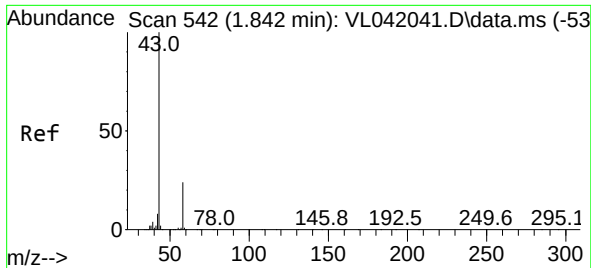
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#13
Ethanol
Concen: 57.615 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

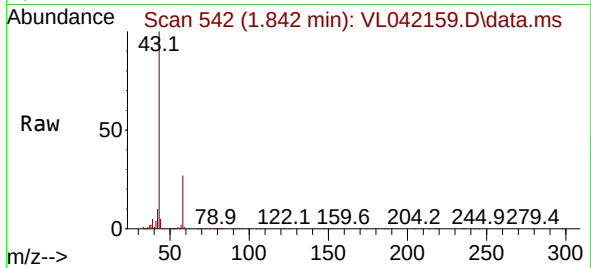
Tgt Ion: 45 Resp: 34953
Ion Ratio Lower Upper
45 100
46 36.6 17.1 68.3





#15
Acetone
Concen: 8.499 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

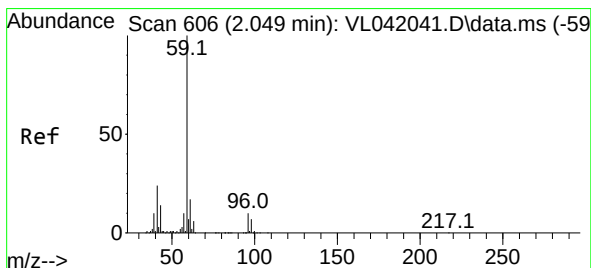
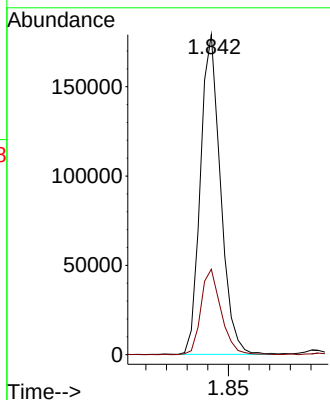
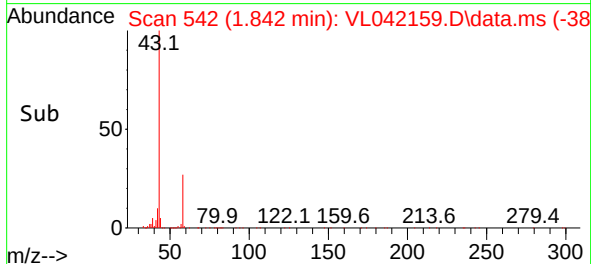
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1



Tgt Ion: 43 Resp: 12115
Ion Ratio Lower Upper
43 100
58 27.0 20.7 31.1

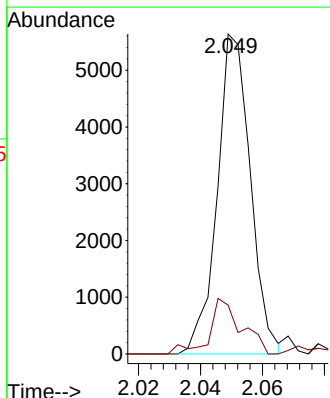
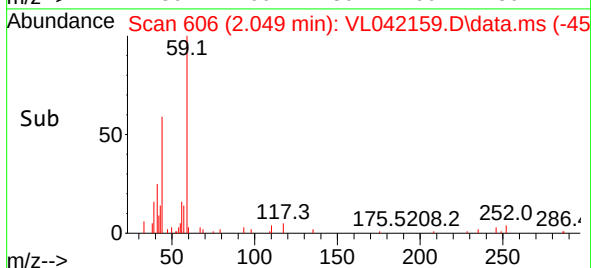
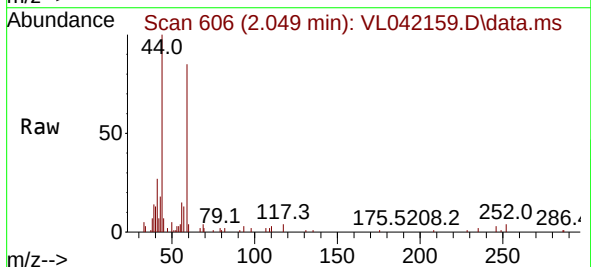
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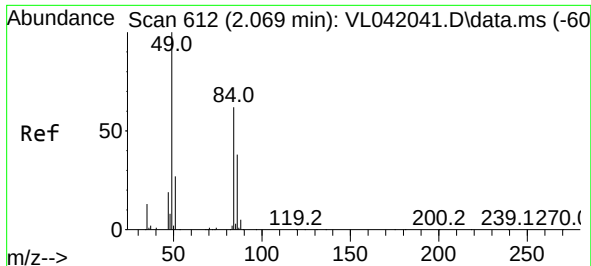
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#17
tert-Butyl alcohol
Concen: 0.235 ppbv
RT: 2.049 min Scan# 606
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

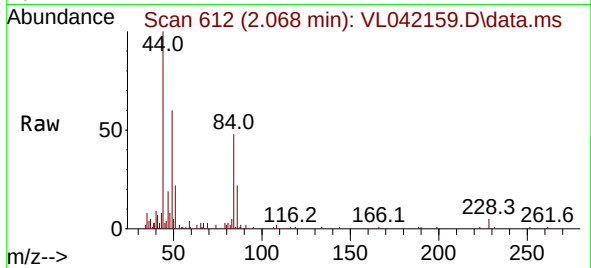
Tgt Ion: 59 Resp: 4187
Ion Ratio Lower Upper
59 100
57 18.6 9.3 13.9





#20
Methylene Chloride
Concen: 0.501 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

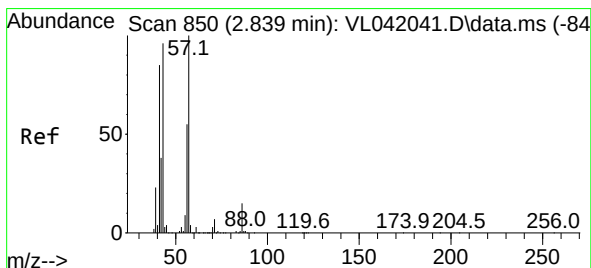
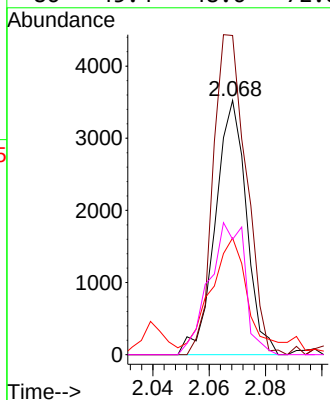
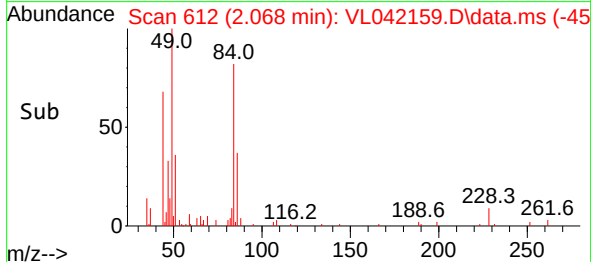
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1



Tgt Ion: 84 Resp: 2702
Ion Ratio Lower Upper
84 100
49 125.5 130.0 195.0#
51 43.2 37.4 56.0
86 45.4 48.6 72.8#

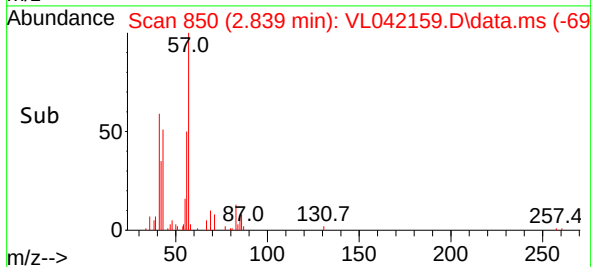
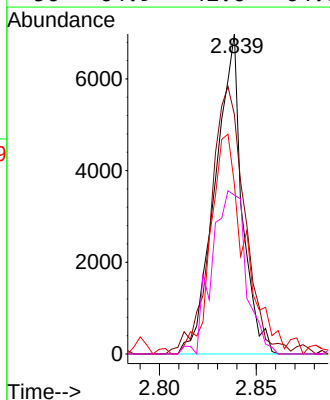
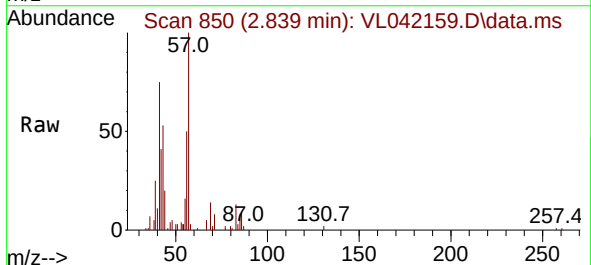
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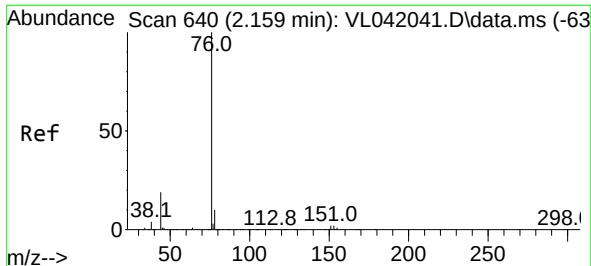
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#26
Hexane
Concen: 0.294 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

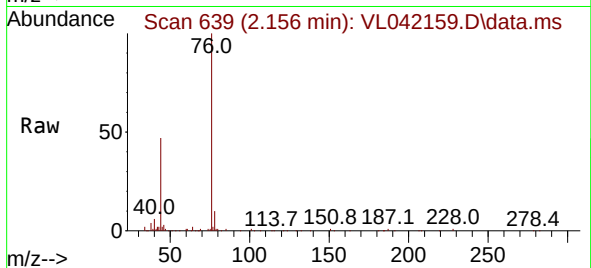
Tgt Ion: 57 Resp: 6791
Ion Ratio Lower Upper
57 100
41 108.2 70.6 106.0#
43 92.3 199.4 299.0#
56 64.9 42.6 64.0#





#27
Carbon Disulfide
Concen: 1.503 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

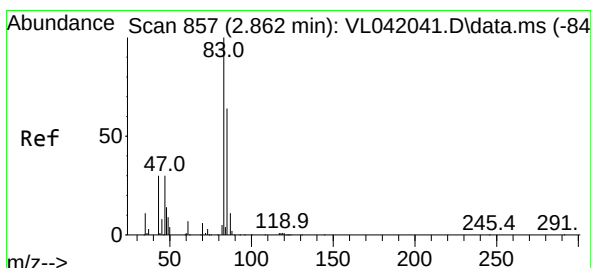
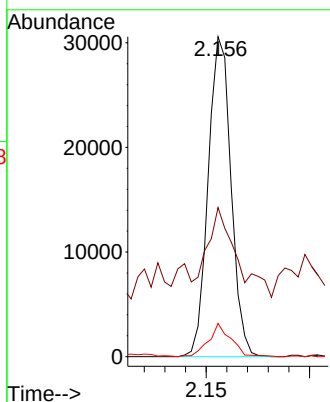
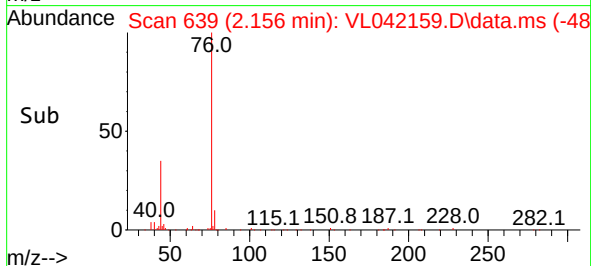
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1



Tgt Ion: 76 Resp: 23490
Ion Ratio Lower Upper
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44 112.9 16.2 24.2
78 10.3 9.4 14.0

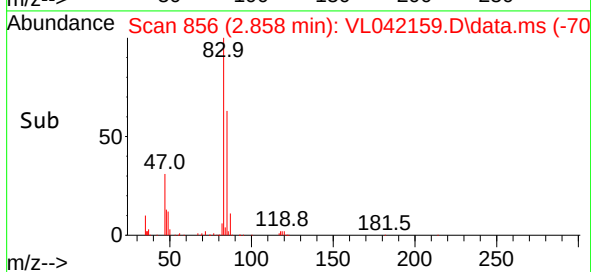
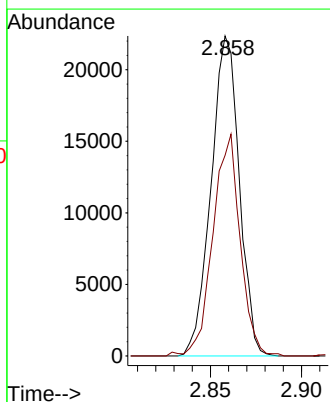
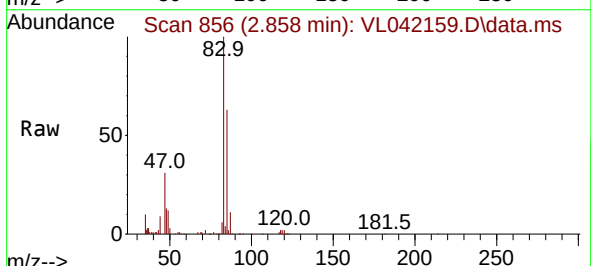
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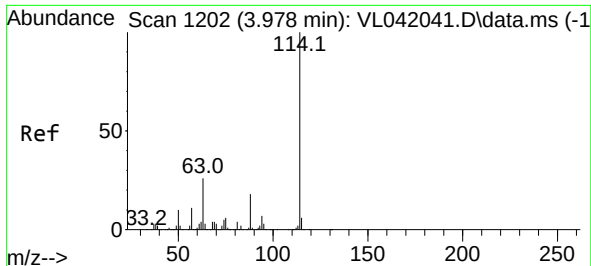
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#29
Chloroform
Concen: 0.777 ppbv
RT: 2.858 min Scan# 856
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 83 Resp: 24129
Ion Ratio Lower Upper
83 100
85 62.0 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.971 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL042159.D

Acq: 17 Mar 2025 15:53

Instrument :

MSVOA_L

ClientSampleId :

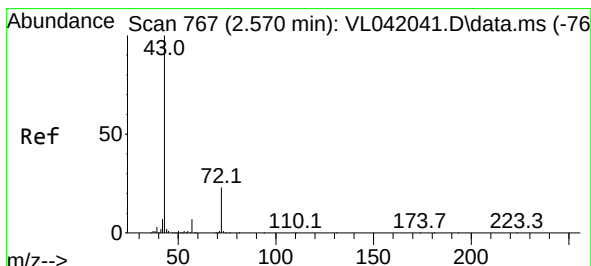
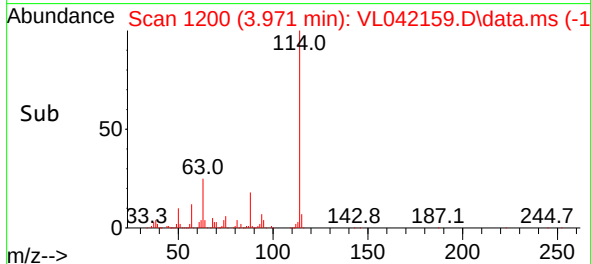
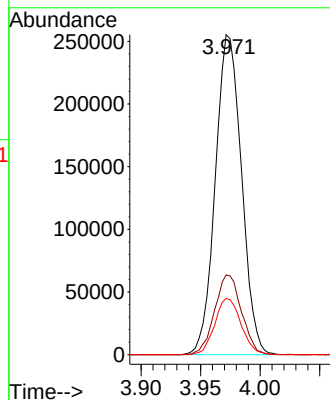
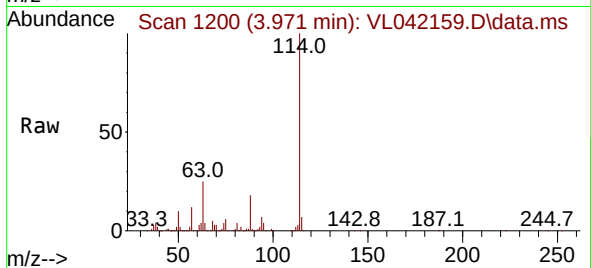
557-SG-1

Tgt Ion:114 Resp: 390134
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.1 30.1
 88 17.6 14.3 21.5

Manual Integrations

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



#34

2-Butanone

Concen: 0.682 ppbv

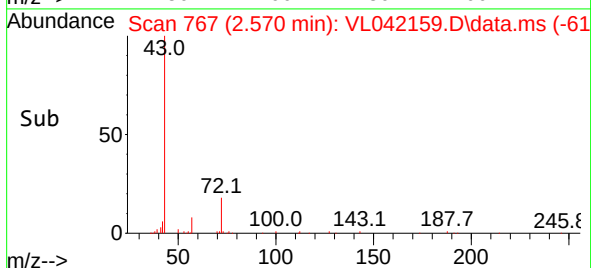
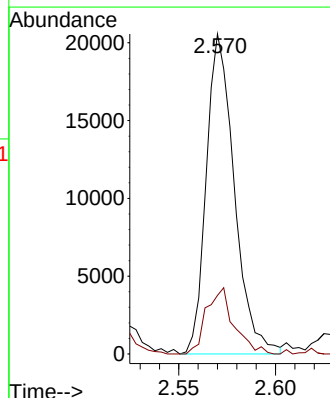
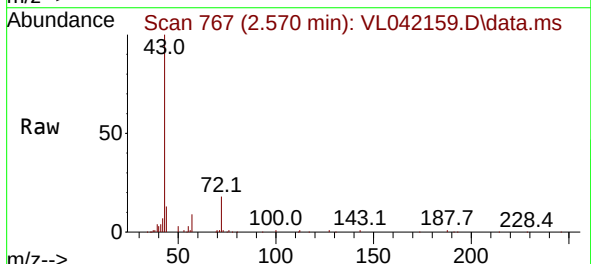
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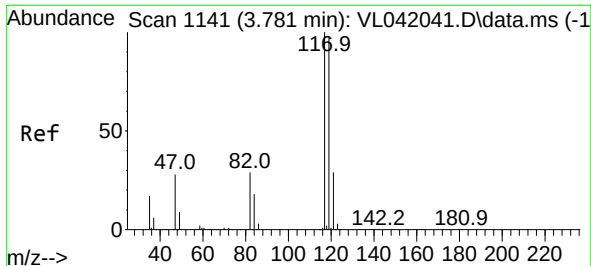
Delta R.T. -0.000 min

Lab File: VL042159.D

Acq: 17 Mar 2025 15:53

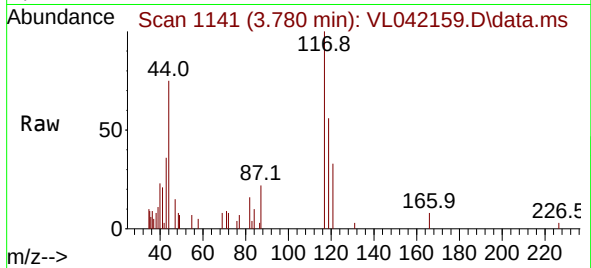
Tgt Ion: 43 Resp: 20731
 Ion Ratio Lower Upper
 43 100
 72 21.1 18.5 27.7





#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 3.780 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

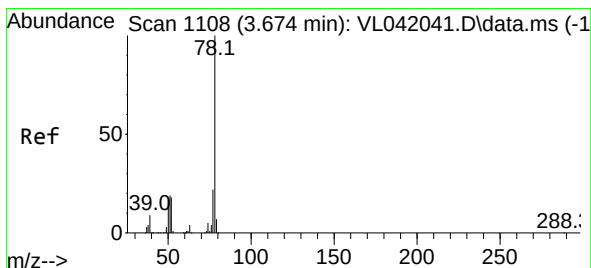
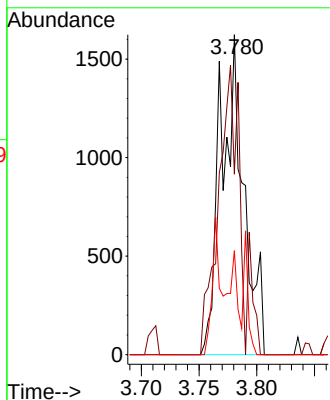
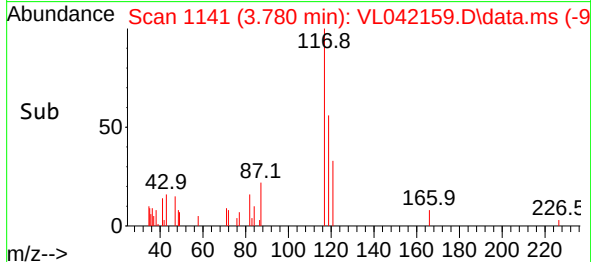
Instrument :
MSVOA_L
ClientSampleId :
557-SG-1



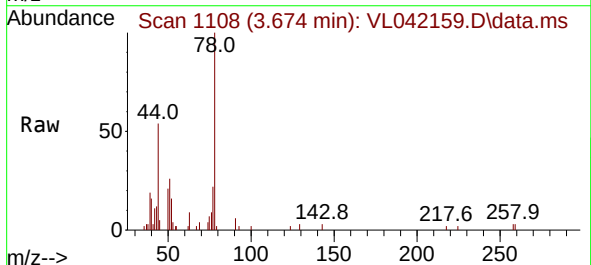
Tgt Ion:117 Resp: 2229
Ion Ratio Lower Upper
117 100
119 56.4 77.8 116.8
121 32.5 23.4 35.0

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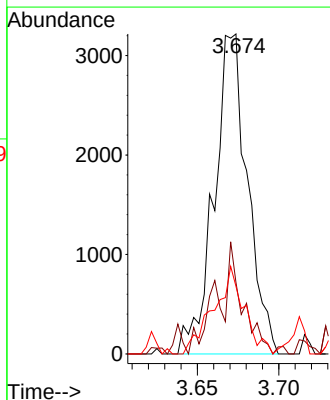
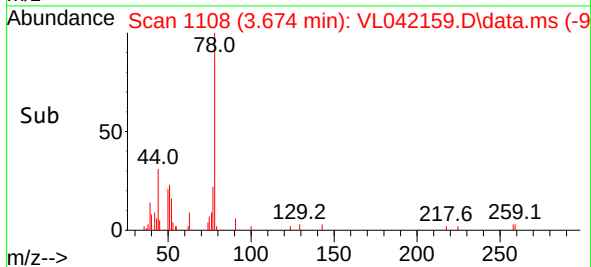
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

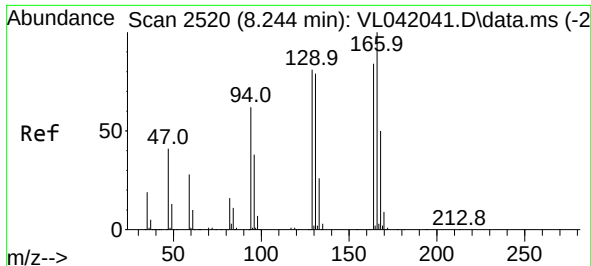


#36
Benzene
Concen: 0.112 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53



Tgt Ion: 78 Resp: 4592
Ion Ratio Lower Upper
78 100
77 20.1 17.7 26.5
50 21.1 13.9 20.9#





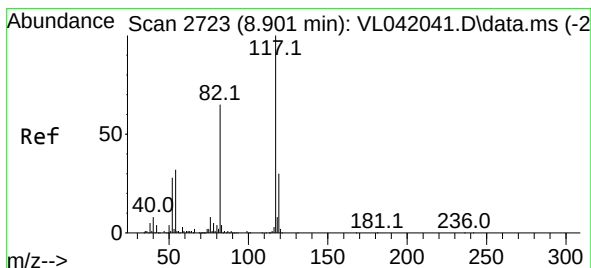
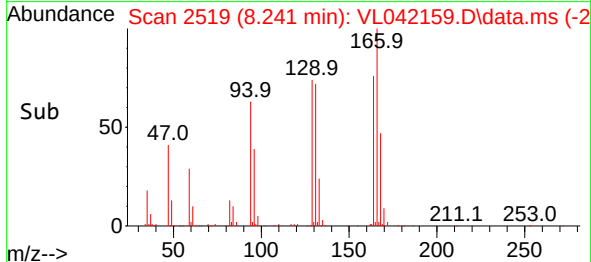
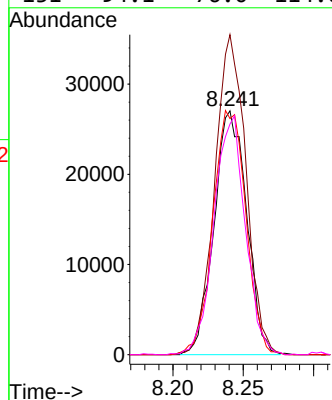
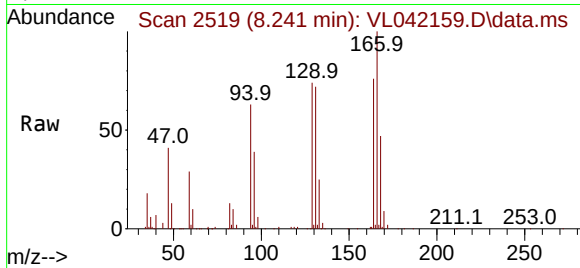
#52
Tetrachloroethene
Concen: 3.122 ppbv
RT: 8.241 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion:164	Resp:	43640
Ion Ratio	Lower	Upper
164	100	
166	130.6	95.7 143.5
129	96.0	77.1 115.7
131	94.1	76.0 114.0

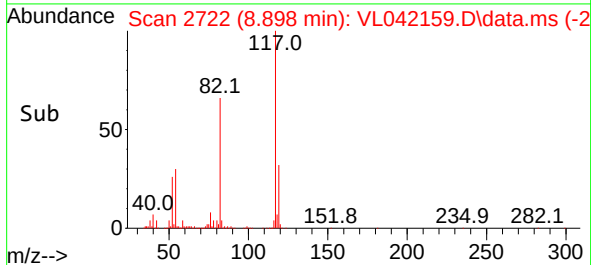
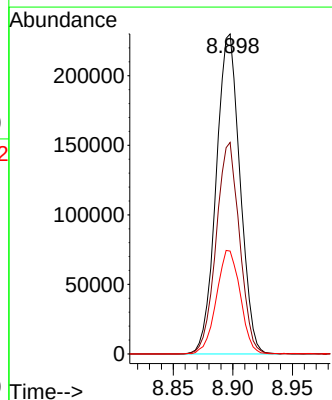
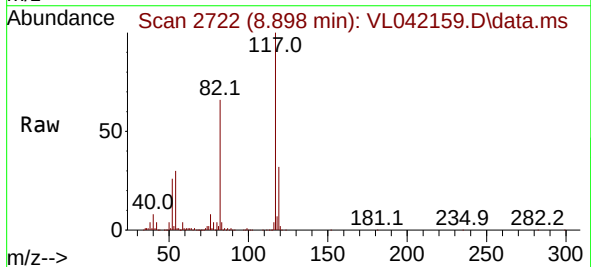
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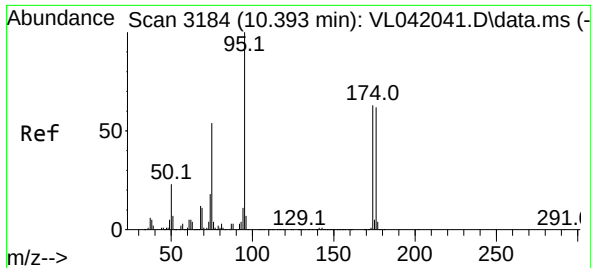
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:117	Resp:	319342
Ion Ratio	Lower	Upper
117	100	
82	65.0	55.0 82.6
119	32.5	25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.150 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042159.D
 Acq: 17 Mar 2025 15:53

Instrument :
 MSVOA_L
 ClientSampleId :
 557-SG-1

Tgt Ion: 95 Resp: 24936
 Ion Ratio Lower Upper
 95 100
 174 65.4 51.8 77.6
 175 4.8 3.9 5.9

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

