

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042607.D
 Acq On : 03 Jun 2025 13:02
 Operator : SY/MD
 Sample : Q2126-14 0.1 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 04 01:48:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	98746	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	272525	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	244961	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 185452 10.099 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.496	85	1532m	0.126	ppbv	
3) Chlorodifluoromethane	1.476	51	2108	0.126	ppbv	95
4) Chloromethane	1.534	50	689	0.143	ppbv	90
5) Vinyl Chloride	1.583	62	649	0.133	ppbv #	75
6) Bromomethane	1.667	94	238	0.100	ppbv #	24
7) Chloroethane	1.706	64	240	0.126	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	1332	0.132	ppbv	93
9) Propene	1.483	41	828m	0.123	ppbv	
10) Heptane	4.972	43	1975m	0.104	ppbv	
11) Trichlorofluoromethane	1.874	101	1409m	0.125	ppbv	
12) 1,1,2-Trichlorotrifluo...	2.143	101	1183m	0.133	ppbv	
13) Ethanol	1.719	45	471	0.587	ppbv #	39
14) Bromoethene	1.777	108	341	0.102	ppbv #	46
15) Acetone	1.835	43	1892	0.159	ppbv	91
16) 1,3-Butadiene	1.609	39	858	0.152	ppbv #	73
17) tert-Butyl alcohol	2.046	59	1684	0.136	ppbv	95
18) 1,1-Dichloroethene	2.030	96	429	0.104	ppbv #	44
19) Isopropyl Alcohol	1.887	45	1111	0.156	ppbv #	50
20) Methylene Chloride	2.059	84	1242	0.316	ppbv #	77
21) Allyl Chloride	2.094	41	1345	0.160	ppbv #	71
22) trans-1,2-Dichloroethene	2.334	96	566	0.123	ppbv #	87
23) Vinyl Acetate	2.463	43	2240	0.139	ppbv #	93
24) 1,1-Dichloroethane	2.408	63	1256	0.133	ppbv	97
25) Ethyl Acetate	2.845	43	4036m	0.124	ppbv	
26) Hexane	2.823	57	1559	0.105	ppbv #	76
27) Carbon Disulfide	2.146	76	1240	0.109	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	788	0.131	ppbv #	77
29) Chloroform	2.842	83	2410	0.125	ppbv	98
30) Cyclohexane	3.858	84	1104m	0.090	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	1585	0.117	ppbv #	83
32) 1,1,1-Trichloroethane	3.366	97	2289	0.116	ppbv	98
34) 2-Butanone	2.560	43	2504	0.129	ppbv	96
35) Carbon Tetrachloride	3.758	117	2239m	0.124	ppbv	
36) Benzene	3.651	78	3270	0.122	ppbv #	88
37) 1,2-Dichloroethane	3.211	62	1824m	0.137	ppbv	
38) Trichloroethene	4.541	130	1421m	0.125	ppbv	
39) 1,2-Dichloropropane	4.318	63	1267m	0.128	ppbv	
40) 1,4-Dioxane	4.619	88	470m	0.106	ppbv	
41) Tetrahydrofuran	3.075	42	1492m	0.131	ppbv	
42) Bromodichloromethane	4.486	83	2449m	0.129	ppbv	
43) Methyl Methacrylate	4.891	69	1184m	0.114	ppbv	
44) 2,2,4-Trimethylpentane	4.629	57	4989m	0.109	ppbv	
45) t-1,3-Dichloropropene	6.412	75	1174m	0.098	ppbv	

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Manual Integrations
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 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 04 01:48:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

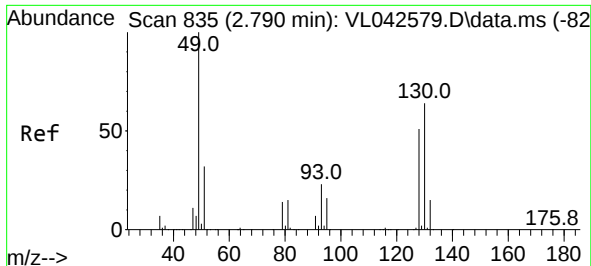
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

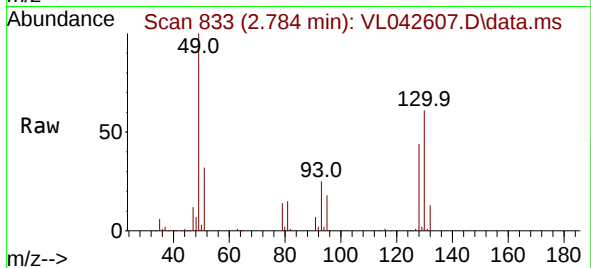
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	1578m	0.106	ppbv	
47) 1,1,2-Trichloroethane	6.577	97	1187m	0.116	ppbv	
48) Dibromochloromethane	7.390	129	1625m	0.099	ppbv	
49) Bromoform	9.480	173	1467	0.103	ppbv	96
50) 4-Methyl-2-Pentanone	5.781	43	2894m	0.107	ppbv	
51) 2-Hexanone	7.454	43	1799m	0.084	ppbv	
52) Tetrachloroethene	8.221	164	1115m	0.111	ppbv	
53) Toluene	6.930	91	3137m	0.101	ppbv	
54) 1,2-Dibromoethane	7.652	107	1791m	0.118	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.920	131	1517	0.123	ppbv #	53
57) Chlorobenzene	8.917	112	3002m	0.126	ppbv	
58) Ethyl Benzene	9.351	91	3777m	0.091	ppbv	
59) m/p-Xylene	9.555	91	5575m	0.170	ppbv	
60) o-Xylene	9.963	91	3119	0.096	ppbv	95
61) Styrene	9.869	104	1151m	0.075	ppbv	
62) Isopropylbenzene	10.536	105	4667	0.097	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.966	83	2337m	0.113	ppbv	
64) n-propylbenzene	10.992	120	1252m	0.097	ppbv	
65) tert-Butylbenzene	11.529	119	3700m	0.085	ppbv	
66) Benzyl Chloride	11.613	91	269m	0.048	ppbv	
67) sec-Butylbenzene	11.769	105	5082	0.083	ppbv	99
69) p-Isopropyltoluene	11.921	119	3686	0.072	ppbv #	90
70) n-Butylbenzene	12.280	91	3779	0.074	ppbv #	92
71) 2-Chlorotoluene	10.901	91	3893	0.106	ppbv	96
72) 4-Ethyltoluene	11.125	105	3451	0.085	ppbv #	92
73) 1,3,5-Trimethylbenzene	11.199	105	2639m	0.078	ppbv	
74) 1,2,4-Trimethylbenzene	11.536	105	3020	0.081	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	2311	0.099	ppbv	91
76) 1,4-Dichlorobenzene	11.672	146	2018	0.086	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	2527	0.111	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	2290	0.122	ppbv	98
79) Naphthalene	13.513	128	1649	0.047	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.449	180	1037m	0.053	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

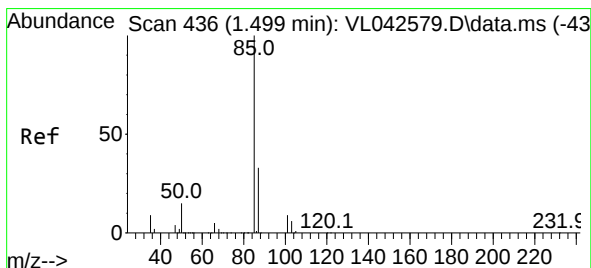
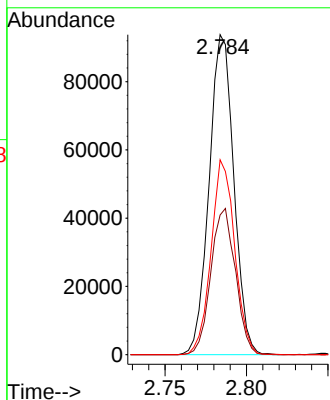
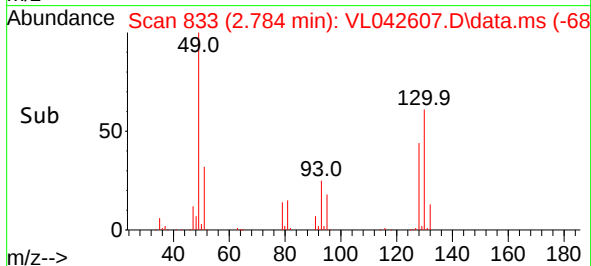
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 49 Resp: 98740
Ion Ratio Lower Upper
49 100
128 45.5 24.2 72.6
130 58.3 30.4 91.2

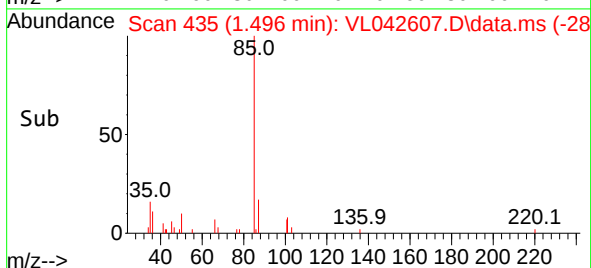
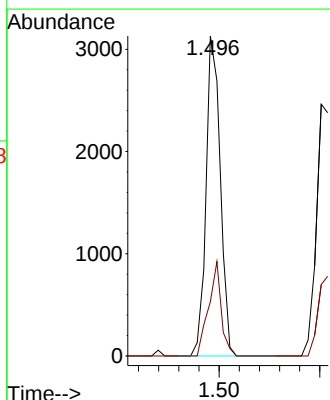
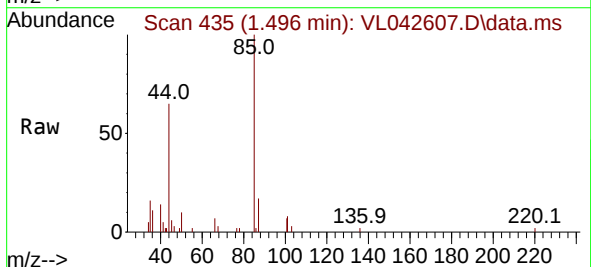
Manual Integrations
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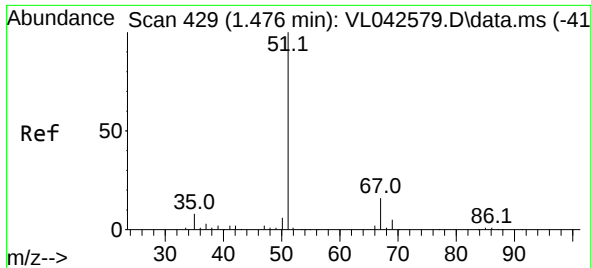
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#2
Dichlorodifluoromethane
Concen: 0.126 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Tgt Ion: 85 Resp: 1532
Ion Ratio Lower Upper
85 100
87 16.9 26.6 39.8#





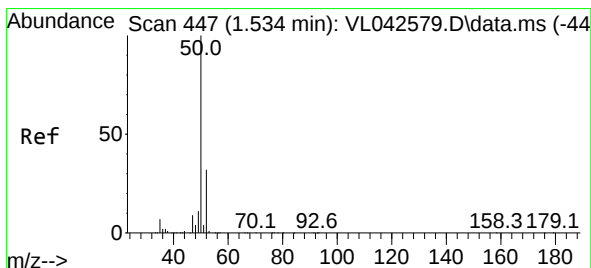
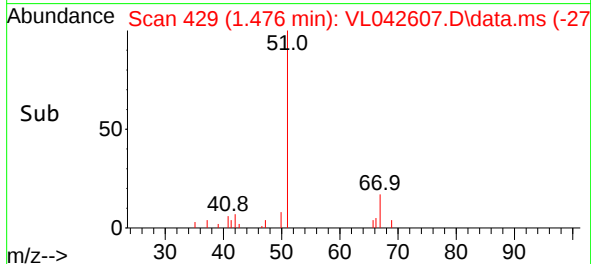
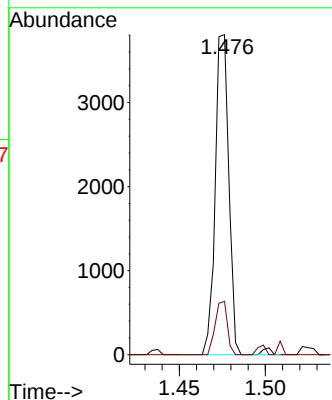
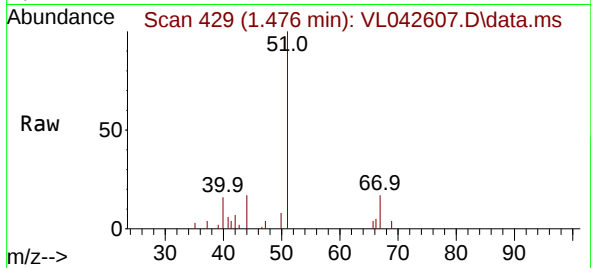
#3
Chlorodifluoromethane
Concen: 0.126 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

Tgt Ion: 51 Resp: 2108
Ion Ratio Lower Upper
51 100
67 14.7 13.4 20.2

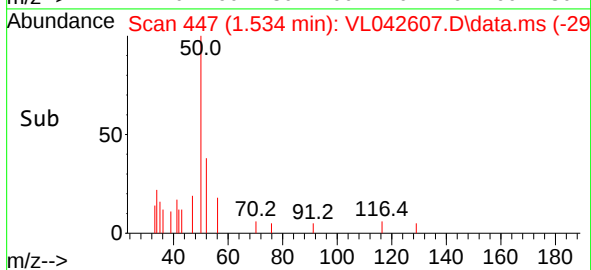
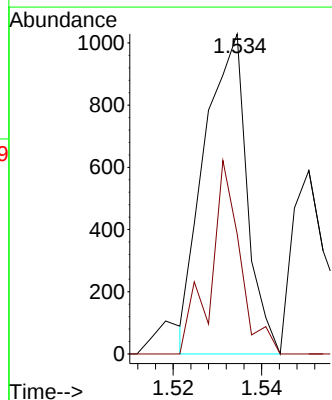
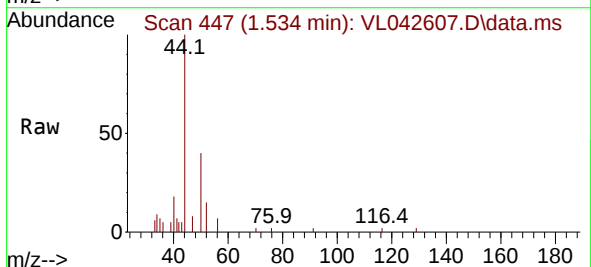
Manual Integrations
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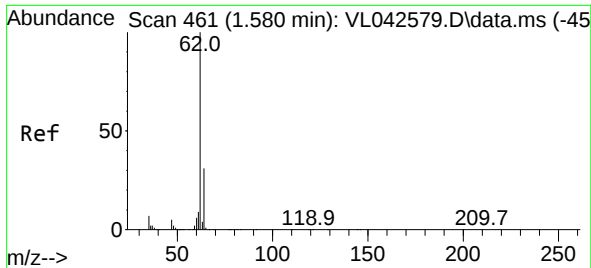
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#4
Chloromethane
Concen: 0.143 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

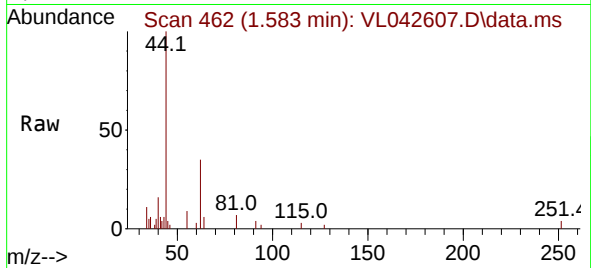
Tgt Ion: 50 Resp: 689
Ion Ratio Lower Upper
50 100
52 37.5 25.8 38.6





#5
 Vinyl Chloride
 Concen: 0.133 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

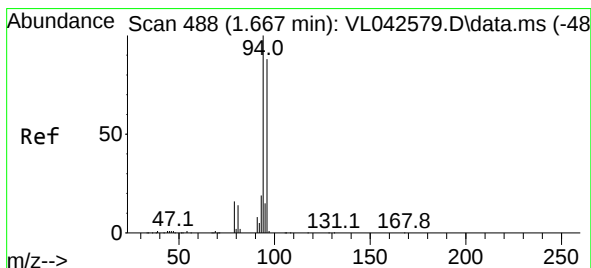
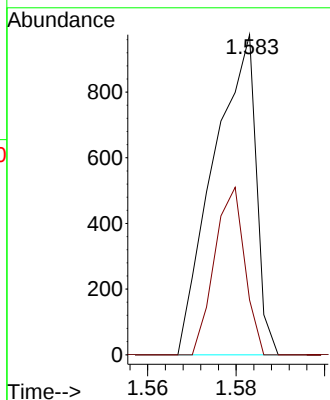
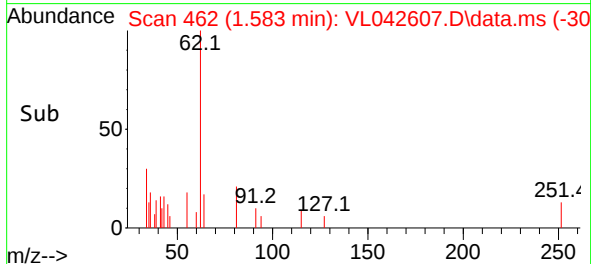
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



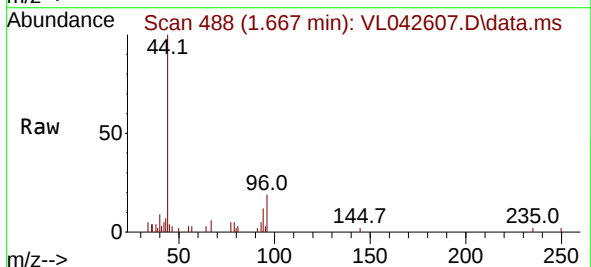
Tgt Ion: 62 Resp: 649
 Ion Ratio Lower Upper
 62 100
 64 17.1 24.9 37.3

Manual Integrations
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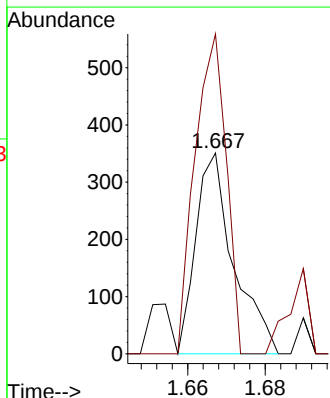
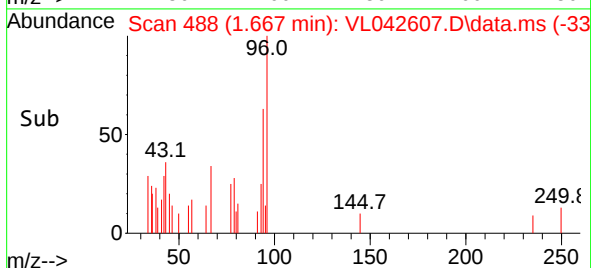
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

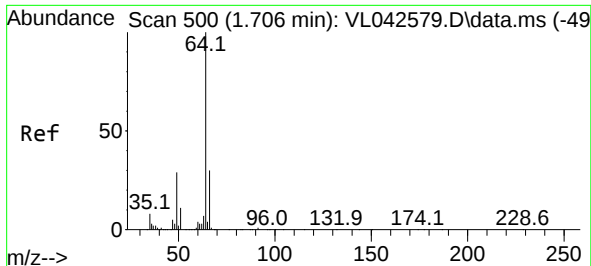


#6
 Bromomethane
 Concen: 0.100 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02



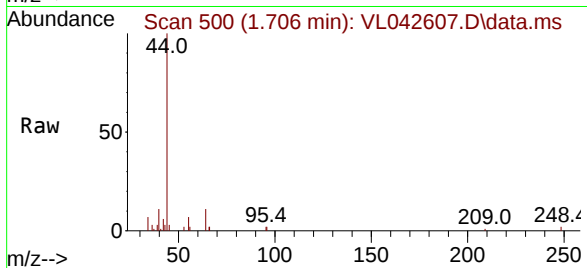
Tgt Ion: 94 Resp: 238
 Ion Ratio Lower Upper
 94 100
 96 159.3 70.7 106.1





#7
Chloroethane
Concen: 0.126 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

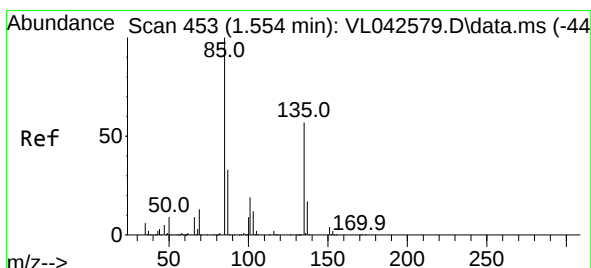
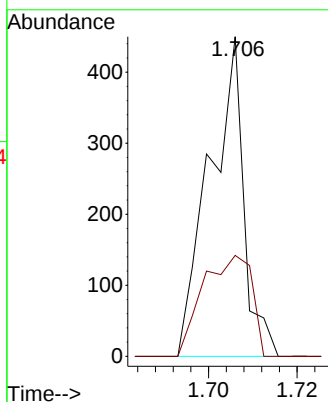
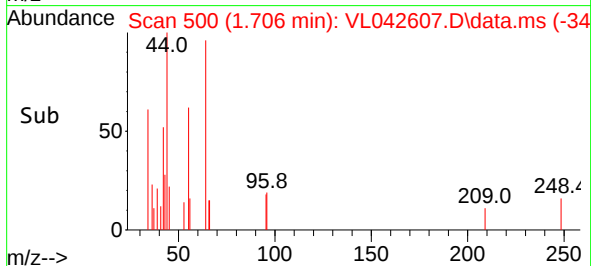
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



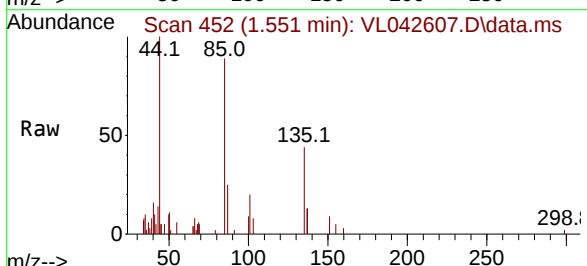
Tgt Ion: 64 Resp: 240
Ion Ratio Lower Upper
64 100
66 31.6 24.3 36.5

Manual Integrations
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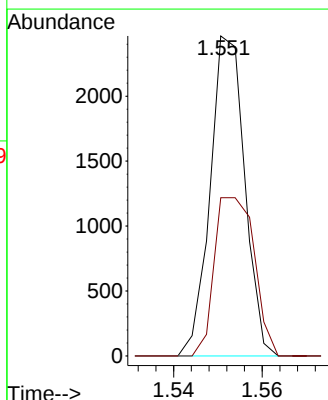
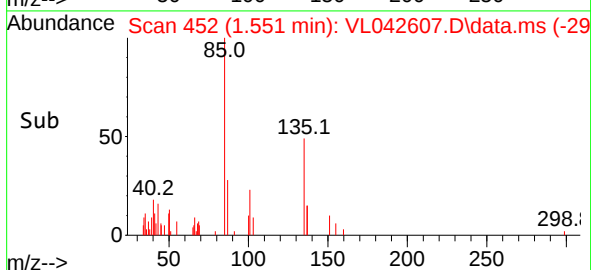
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

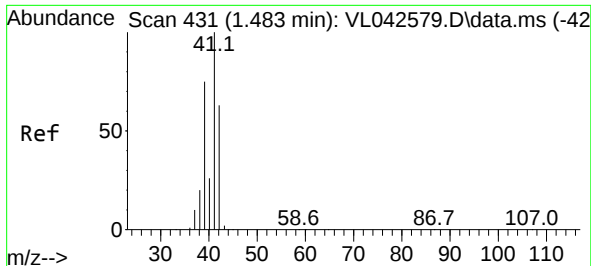


#8
Dichlorotetrafluoroethane
Concen: 0.132 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



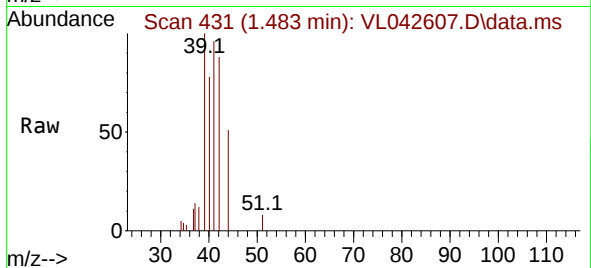
Tgt Ion: 85 Resp: 1332
Ion Ratio Lower Upper
85 100
135 57.4 50.2 75.4





#9
 Propene
 Concen: 0.123 ppbv m
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

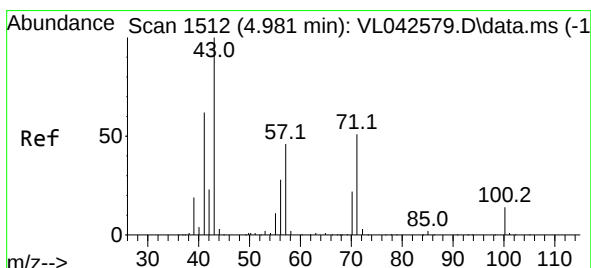
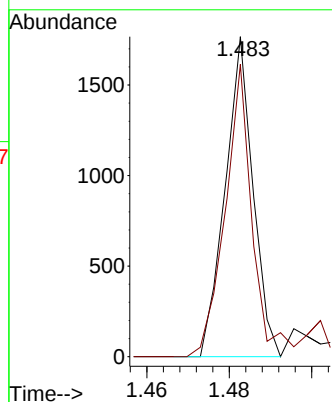
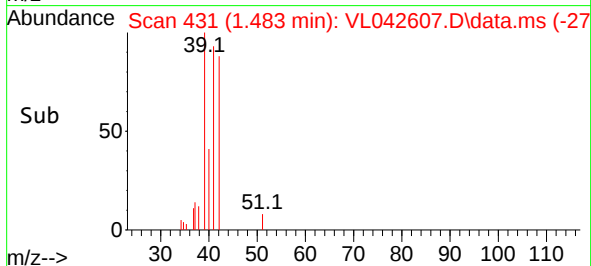
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 41 Resp: 828
 Ion Ratio Lower Upper
 41 100
 42 70.3 53.3 79.9

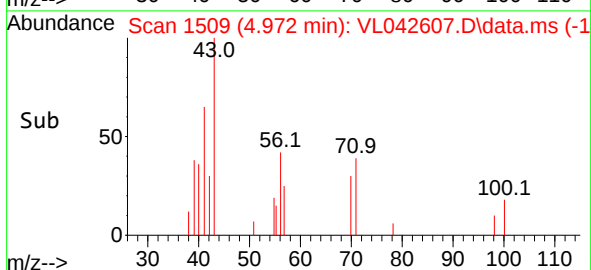
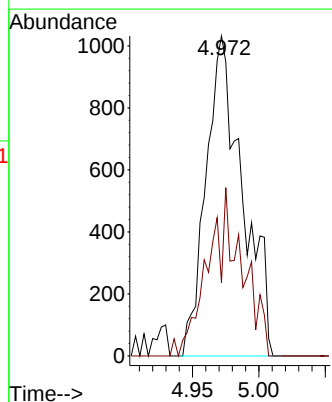
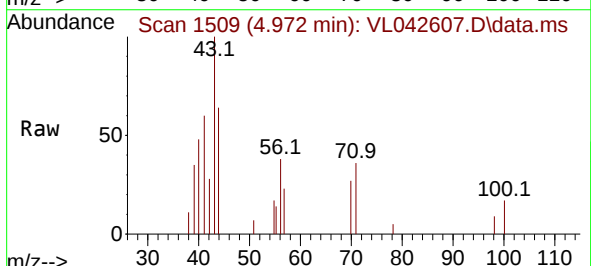
Manual Integrations
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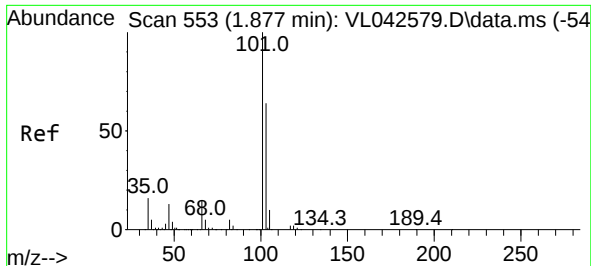
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#10
 Heptane
 Concen: 0.104 ppbv m
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.010 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

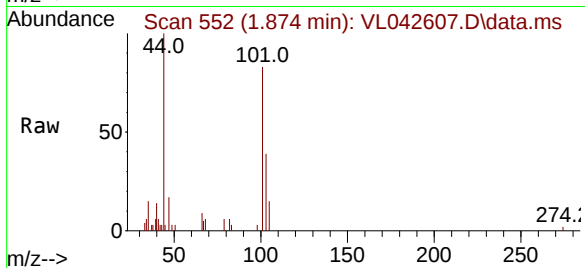
Tgt Ion: 43 Resp: 1975
 Ion Ratio Lower Upper
 43 100
 57 49.1 38.9 58.3





#11
Trichlorofluoromethane
Concen: 0.125 ppbv m
RT: 1.874 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

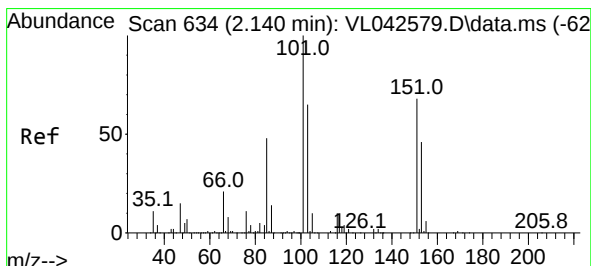
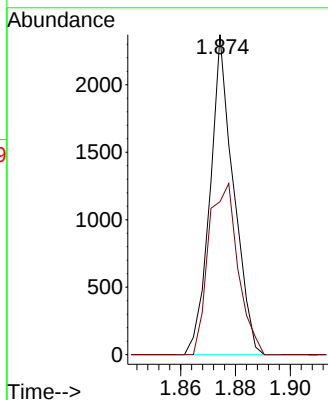
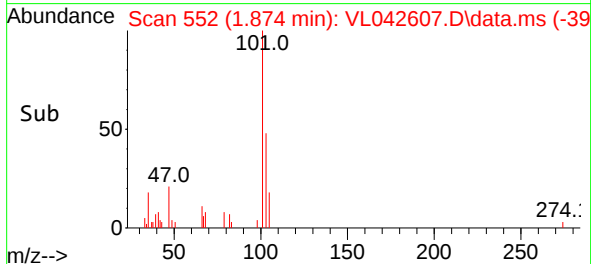
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



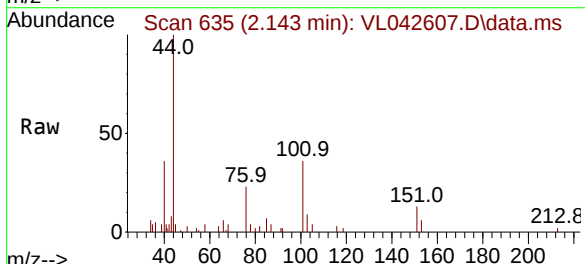
Tgt Ion:101 Resp: 1409
Ion Ratio Lower Upper
101 100
103 47.8 51.5 77.3

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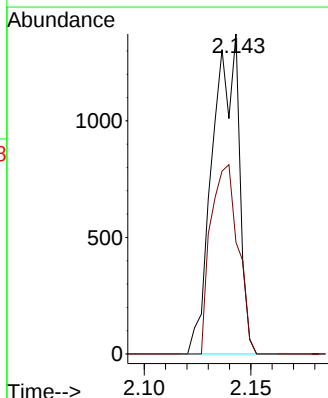
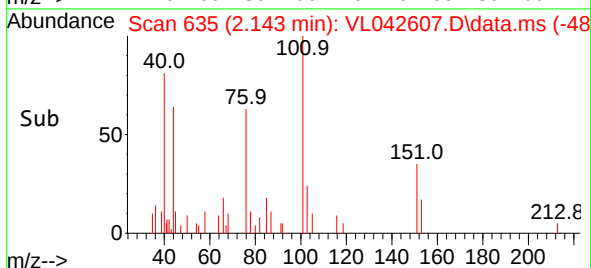
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

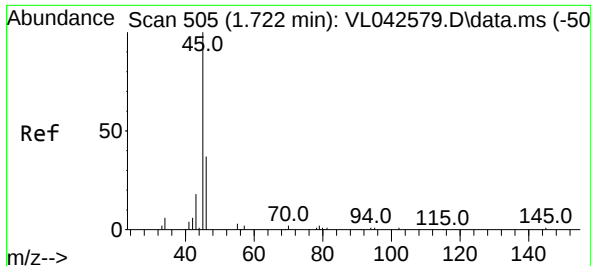


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.133 ppbv m
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



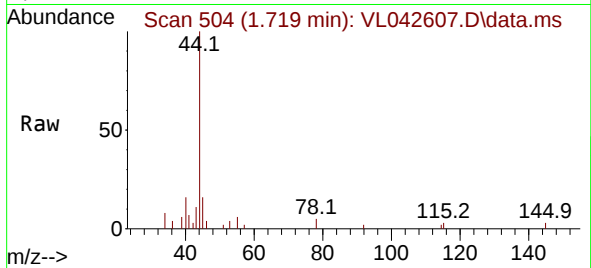
Tgt Ion:101 Resp: 1183
Ion Ratio Lower Upper
101 100
151 61.1 55.3 82.9





#13
Ethanol
Concen: 0.587 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

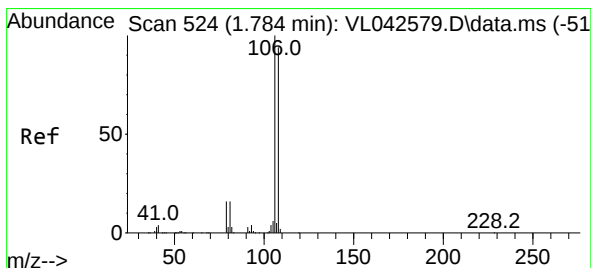
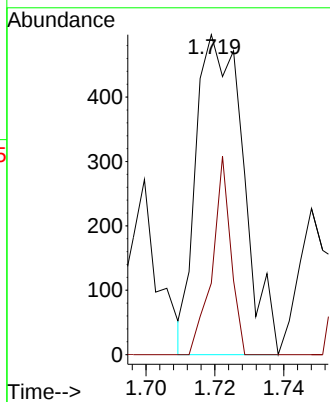
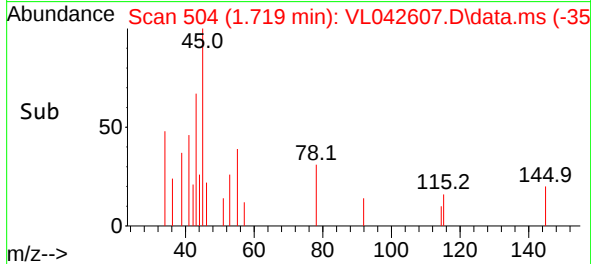
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



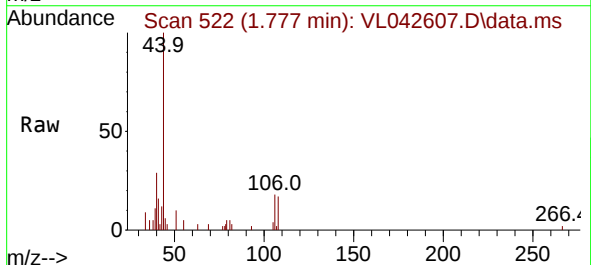
Tgt Ion: 45 Resp: 47
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1

Manual Integrations
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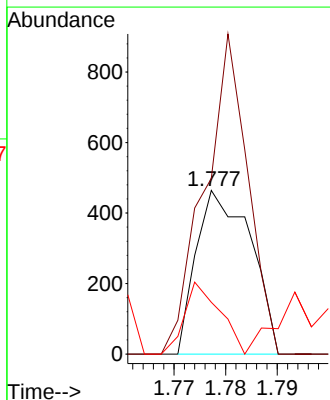
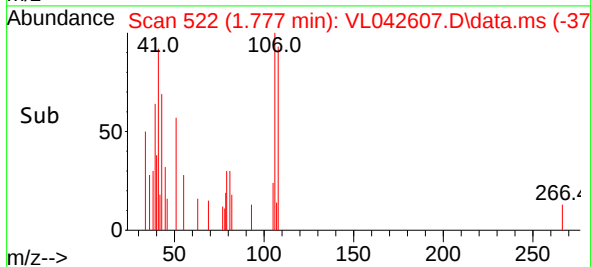
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

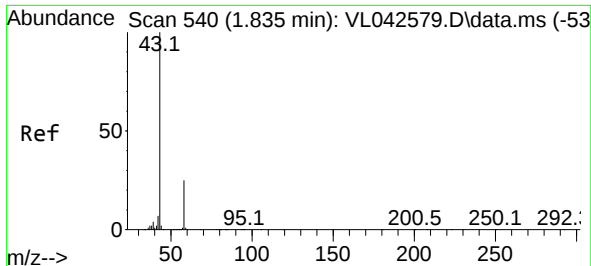


#14
Bromoethene
Concen: 0.102 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



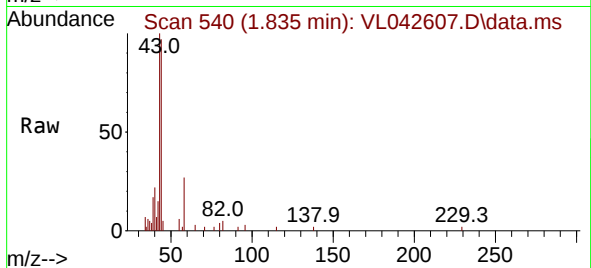
Tgt Ion:108 Resp: 341
Ion Ratio Lower Upper
108 100
106 155.1 87.9 131.9#
79 72.7 15.6 23.4#





#15
Acetone
Concen: 0.159 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

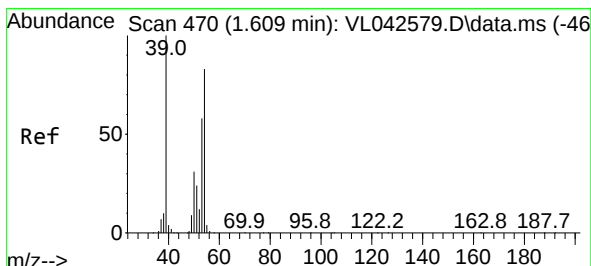
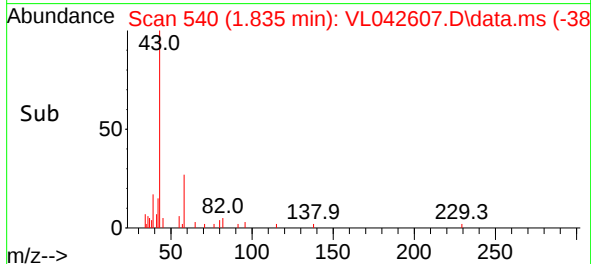
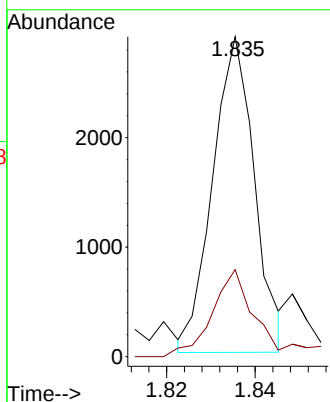
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
58 30.8 21.0 31.4

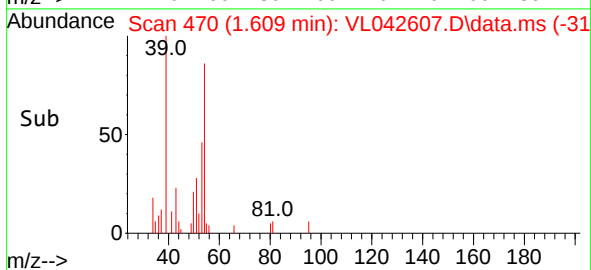
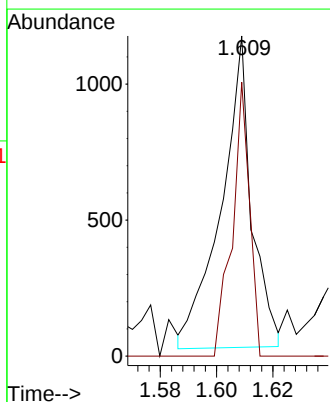
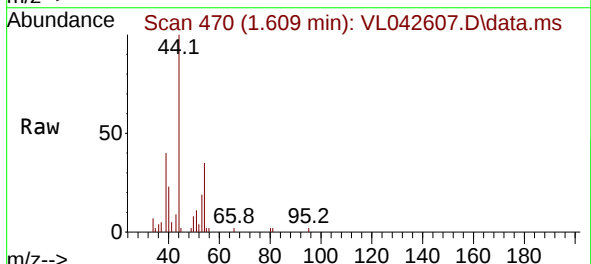
Manual Integrations
APPROVED

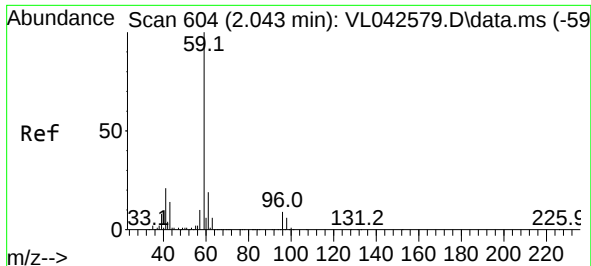
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#16
1,3-Butadiene
Concen: 0.152 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Tgt Ion: 39 Resp: 858
Ion Ratio Lower Upper
39 100
54 49.9 57.9 86.9#





#17

tert-Butyl alcohol

Concen: 0.136 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

Instrument :

MSVOA_L

ClientSampleId :

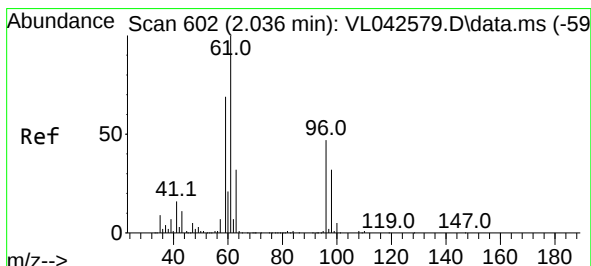
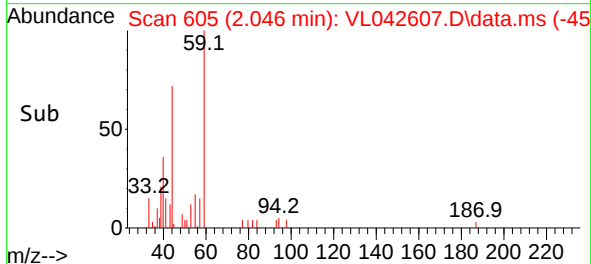
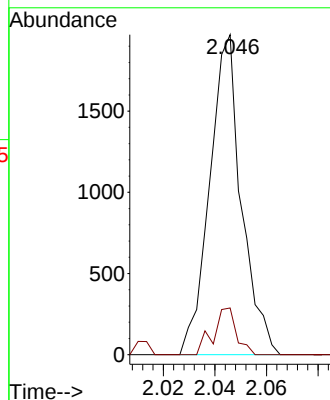
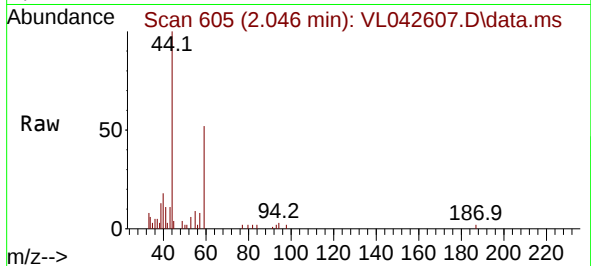
LOQ-AIR-02-QT2-2025

Tgt Ion: 59 Resp: 1684
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#18

1,1-Dichloroethene

Concen: 0.104 ppbv

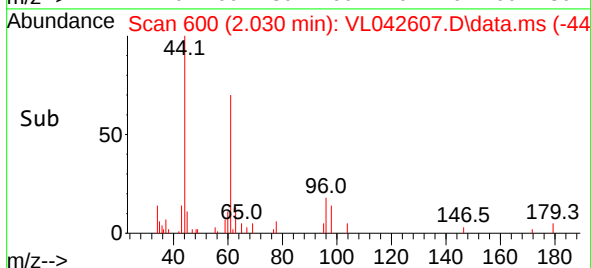
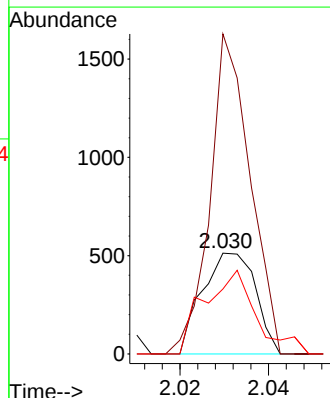
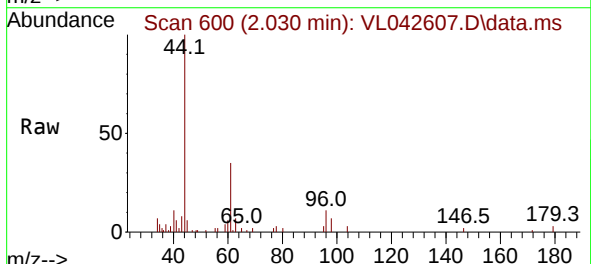
RT: 2.030 min Scan# 600

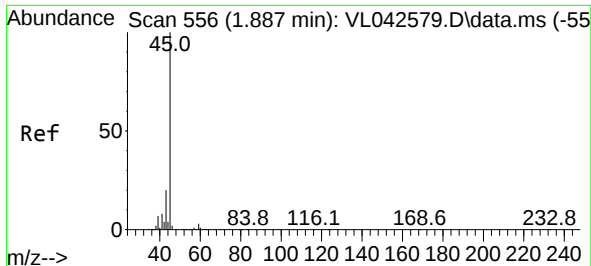
Delta R.T. -0.006 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

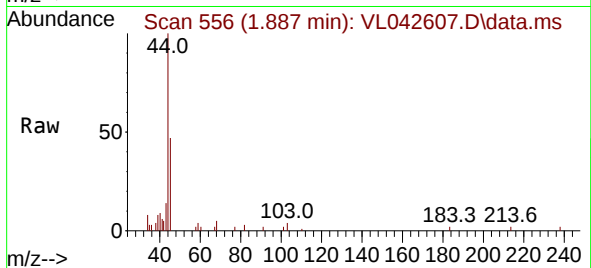
Tgt Ion: 96 Resp: 429
 Ion Ratio Lower Upper
 96 100
 61 327.3 171.1 256.7#
 98 64.3 54.4 81.6





#19
Isopropyl Alcohol
Concen: 0.156 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

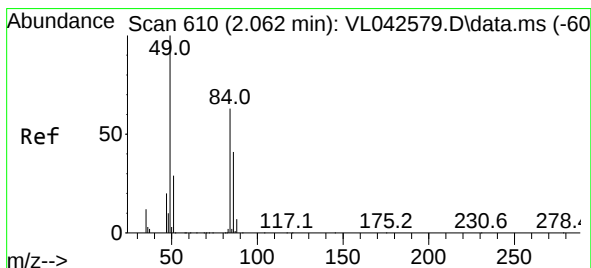
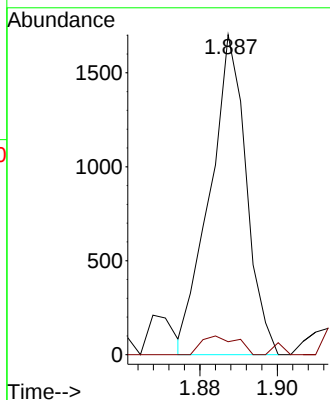
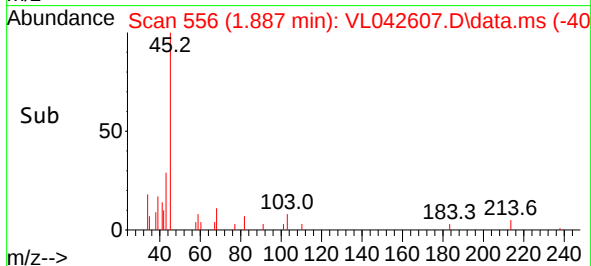
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



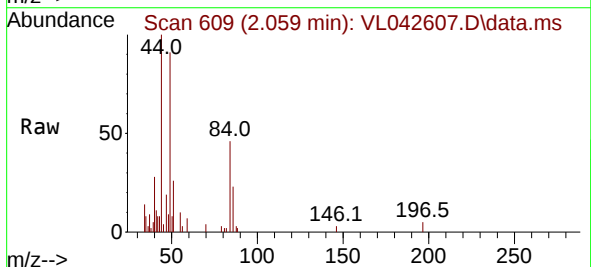
Tgt Ion: 45 Resp: 111
Ion Ratio Lower Upper
45 100
58 6.9 29.4 44.2

Manual Integrations
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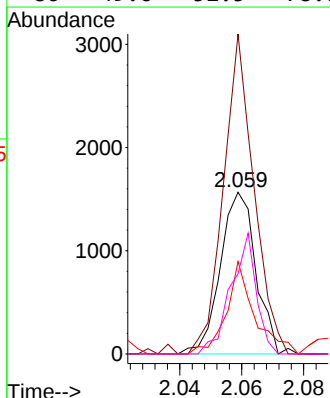
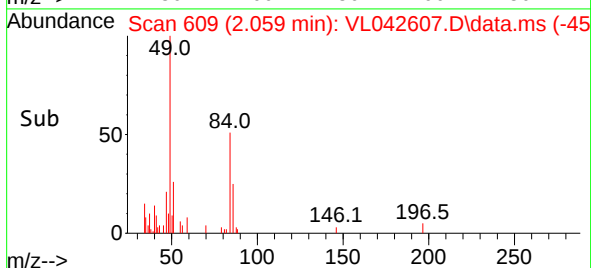
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

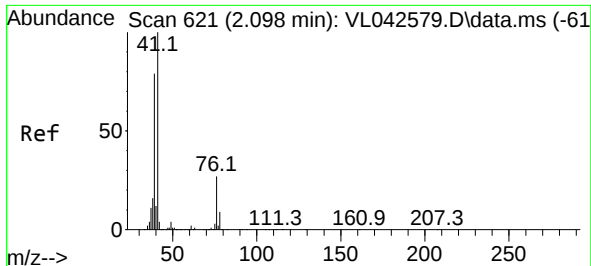


#20
Methylene Chloride
Concen: 0.316 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



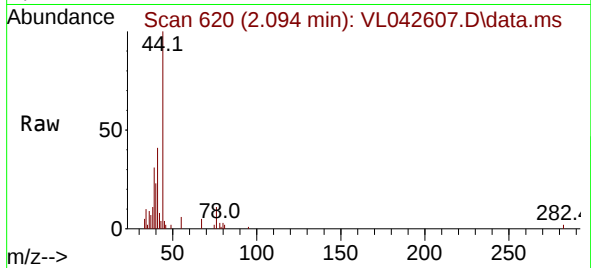
Tgt Ion: 84 Resp: 1242
Ion Ratio Lower Upper
84 100
49 197.8 128.8 193.2#
51 57.2 38.6 57.8
86 49.6 52.5 78.7#





#21
 Allyl Chloride
 Concen: 0.160 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

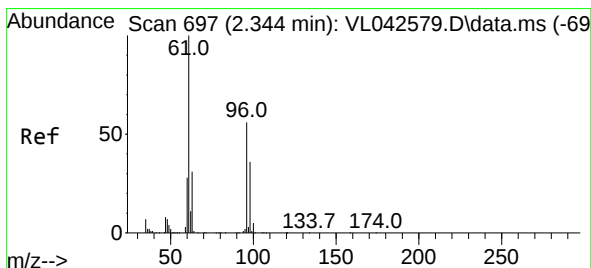
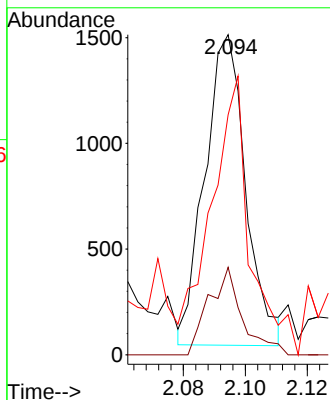
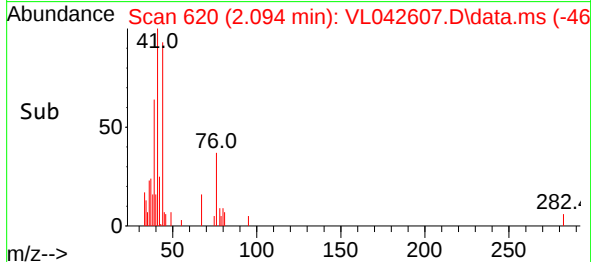
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 41 Resp: 134
 Ion Ratio Lower Upper
 41 100
 76 23.2 21.2 31.8
 39 107.3 60.9 91.3

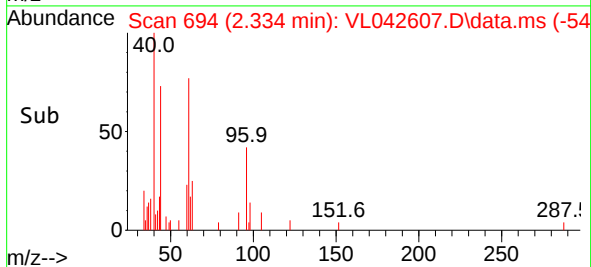
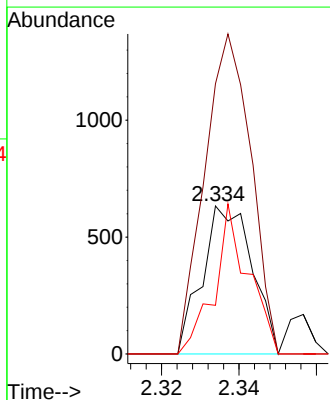
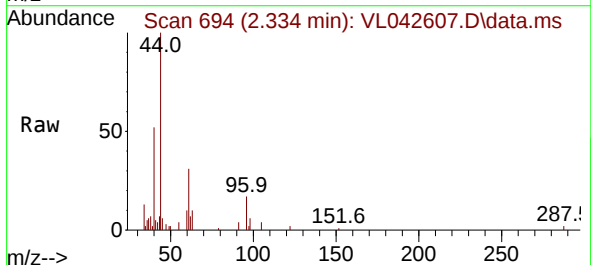
Manual Integrations
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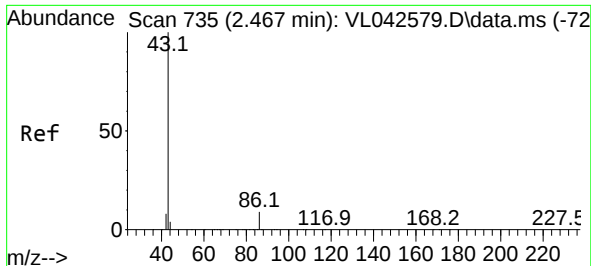
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.123 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.010 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

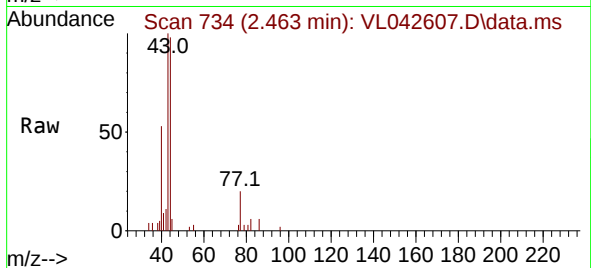
Tgt Ion: 96 Resp: 566
 Ion Ratio Lower Upper
 96 100
 61 182.6 142.6 214.0
 98 32.9 51.0 76.4





#23
 Vinyl Acetate
 Concen: 0.139 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

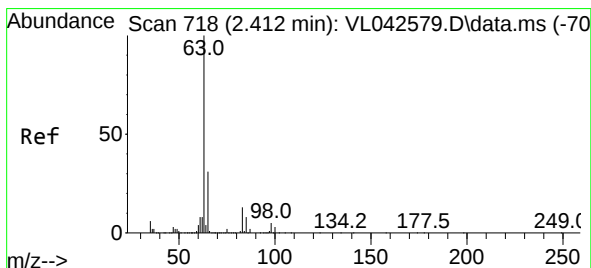
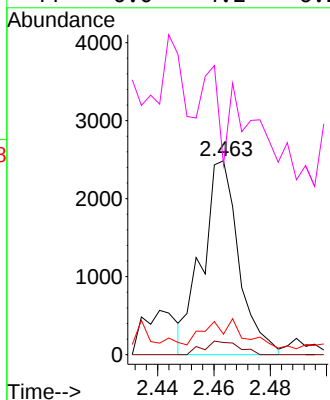
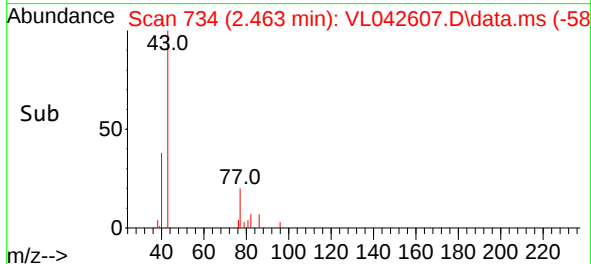
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion:	43	Resp:	2240
Ion	Ratio	Lower	Upper
43	100		
86	6.4	6.6	9.8
42	7.4	7.0	10.4
44	0.0	4.2	6.2

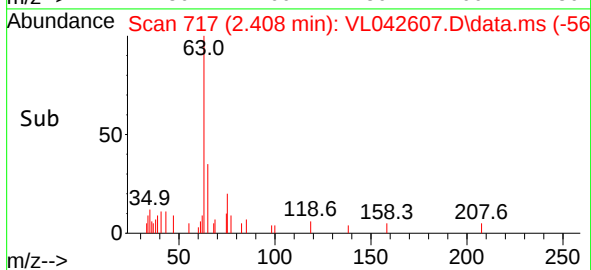
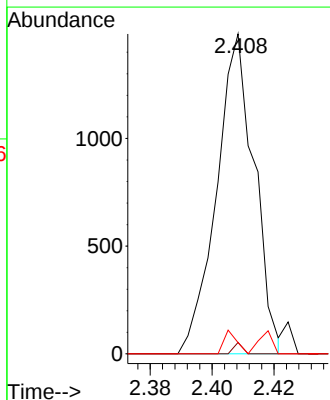
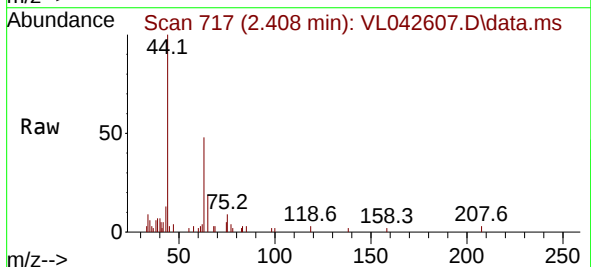
Manual Integrations
 APPROVED

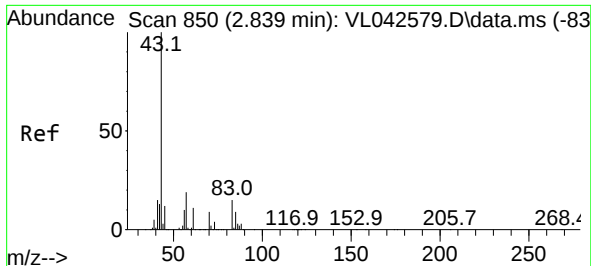
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#24
 1,1-Dichloroethane
 Concen: 0.133 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

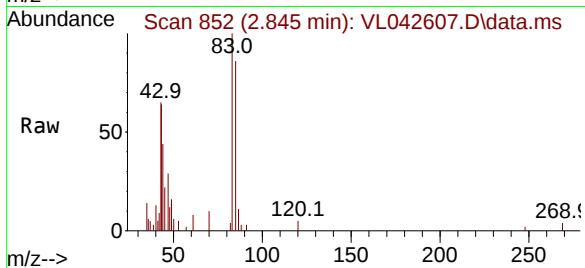
Tgt Ion:	63	Resp:	1256
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.4	7.1
100	3.5	1.4	4.0





#25
Ethyl Acetate
Concen: 0.124 ppbv m
RT: 2.845 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

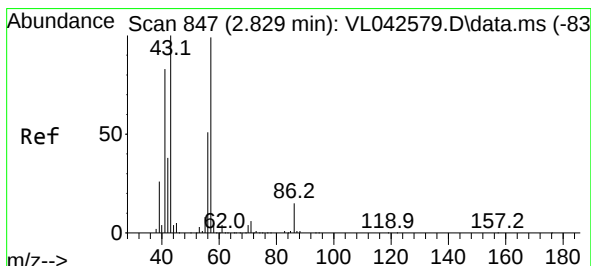
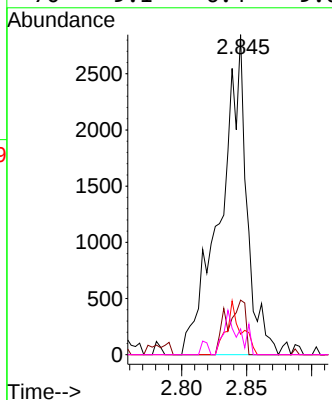
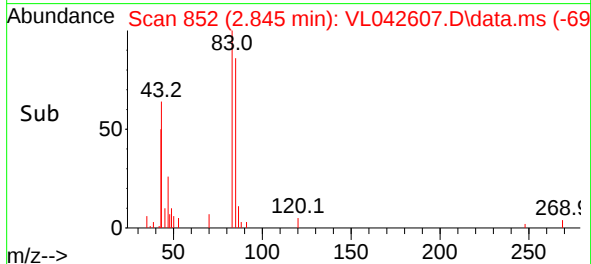
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 4030
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.2
61 9.4 7.1 10.7
70 9.1 6.4 9.6

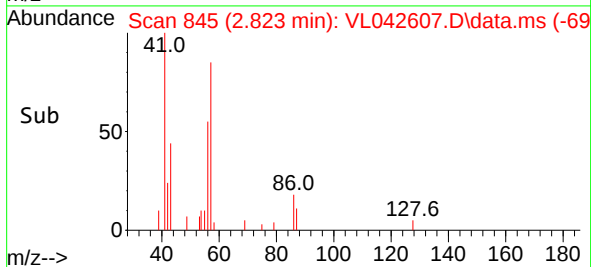
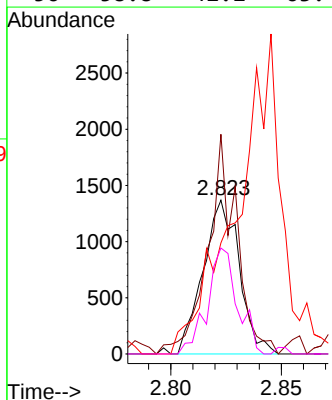
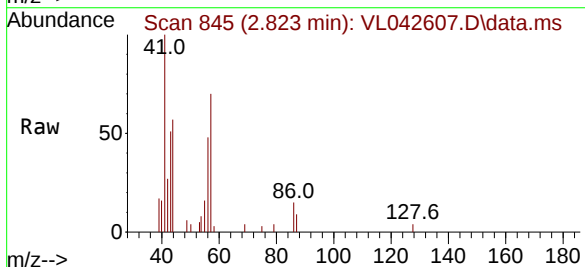
Manual Integrations
APPROVED

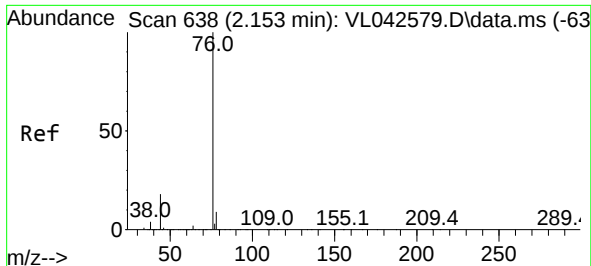
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#26
Hexane
Concen: 0.105 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

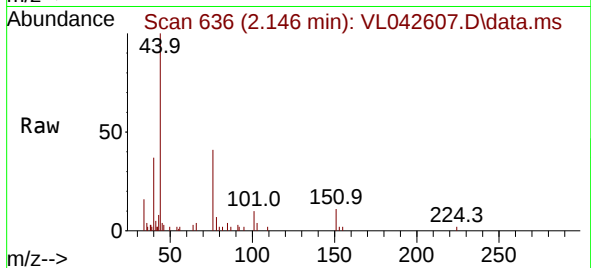
Tgt Ion: 57 Resp: 1559
Ion Ratio Lower Upper
57 100
41 118.0 70.6 106.0#
43 266.5 181.1 271.7
56 58.8 42.2 63.4





#27
Carbon Disulfide
Concen: 0.109 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

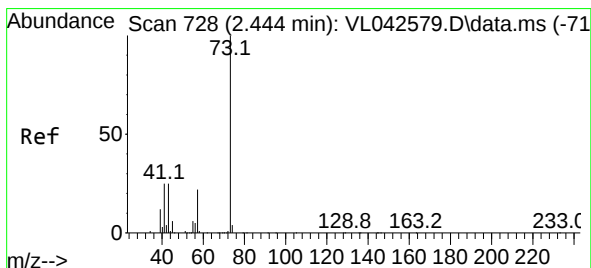
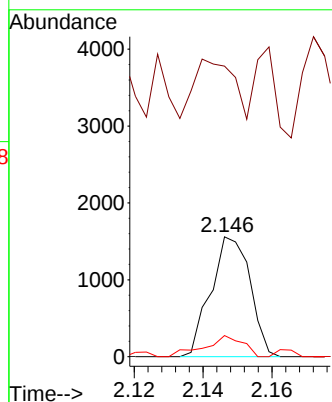
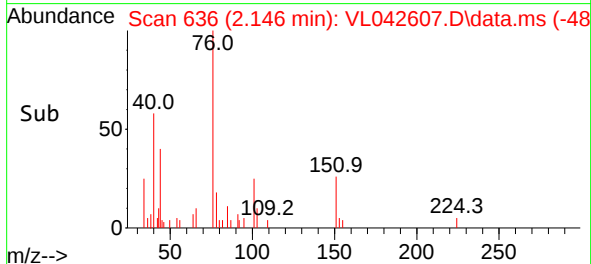
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 76 Resp: 1240
Ion Ratio Lower Upper
76 100
44 216.9 21.3 31.9
78 24.8 9.4 14.0

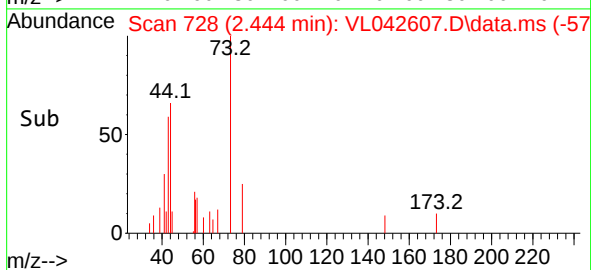
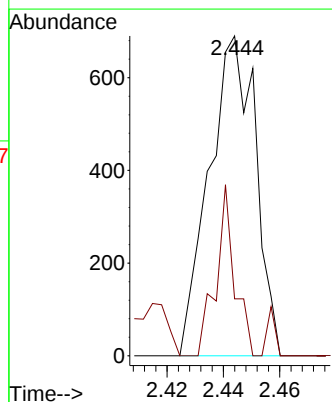
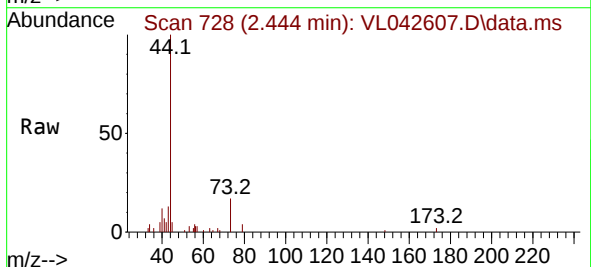
Manual Integrations
APPROVED

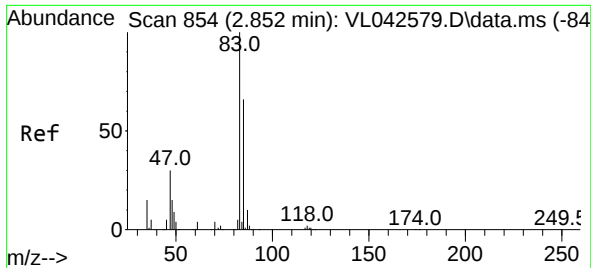
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#28
Methyl tert-Butyl Ether
Concen: 0.131 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

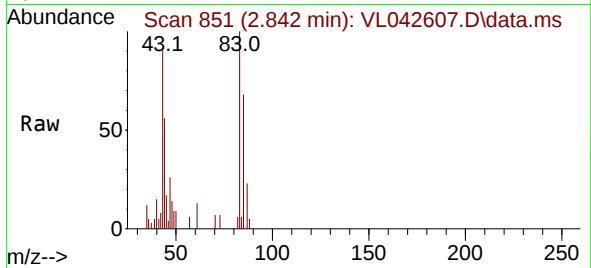
Tgt Ion: 73 Resp: 788
Ion Ratio Lower Upper
73 100
57 36.5 19.9 29.9





#29
Chloroform
Concen: 0.125 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

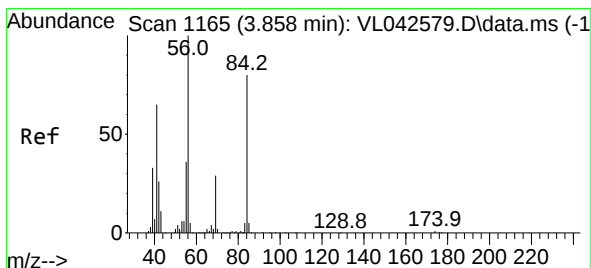
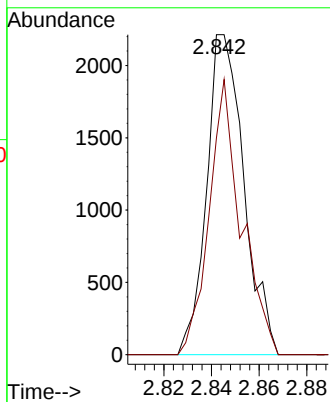
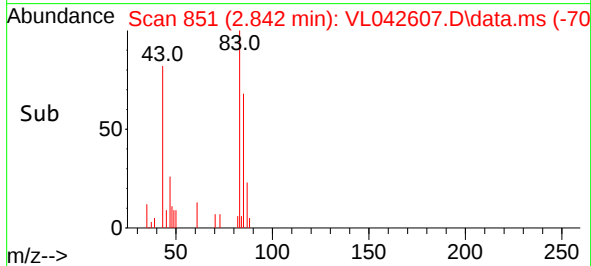
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 83 Resp: 2410
Ion Ratio Lower Upper
83 100
85 67.8 52.8 79.2

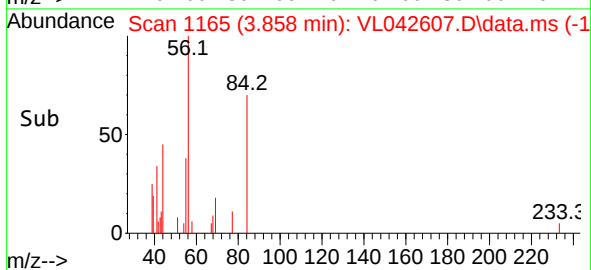
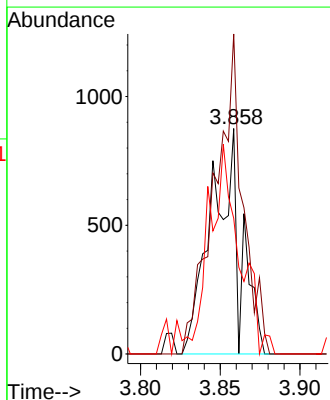
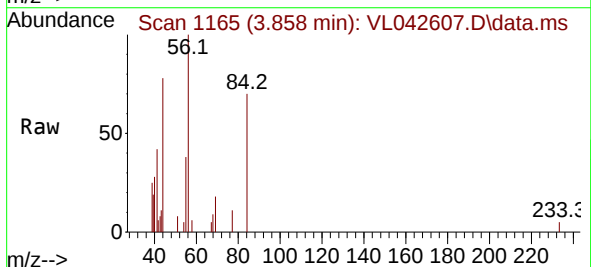
Manual Integrations
APPROVED

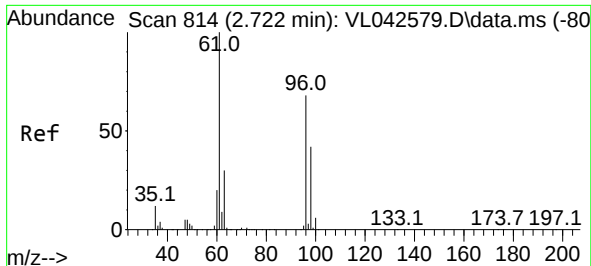
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#30
Cyclohexane
Concen: 0.090 ppbv m
RT: 3.858 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

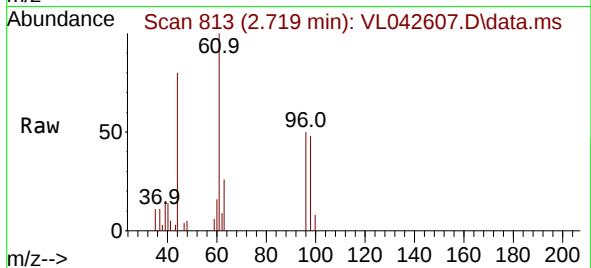
Tgt Ion: 84 Resp: 1104
Ion Ratio Lower Upper
84 100
56 0.0 103.7 155.5#
41 104.4 65.1 97.7#





#31
 cis-1,2-Dichloroethene
 Concen: 0.117 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

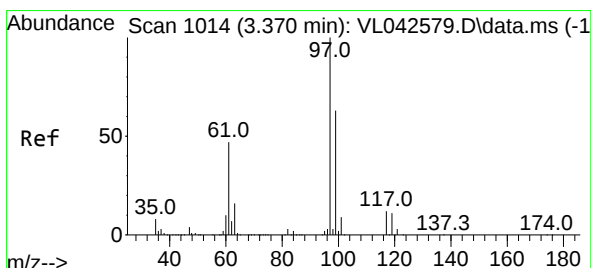
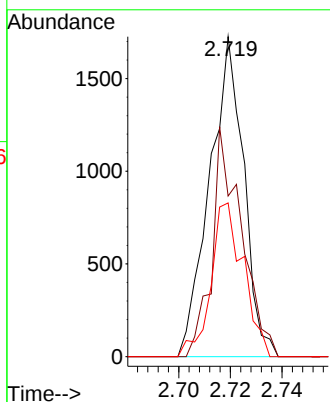
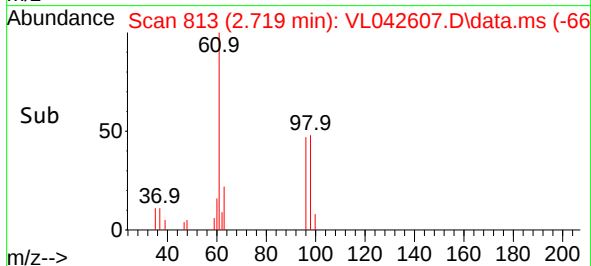
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



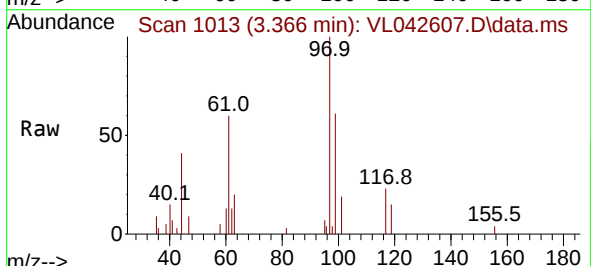
Tgt Ion: 61 Resp: 158
 Ion Ratio Lower Upper
 61 100
 96 50.2 54.5 81.7
 98 48.0 33.4 50.2

Manual Integrations
 APPROVED

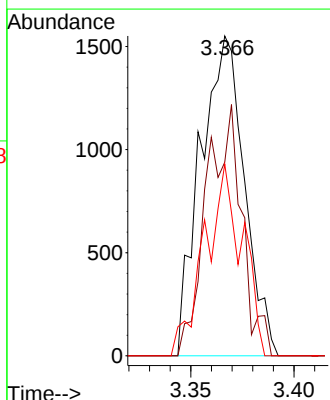
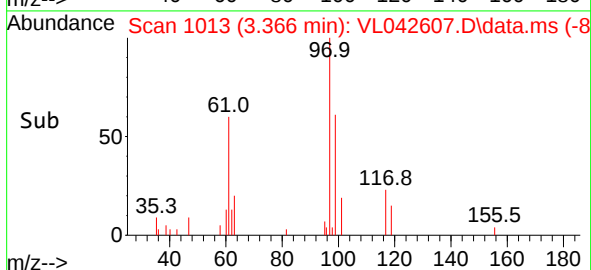
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

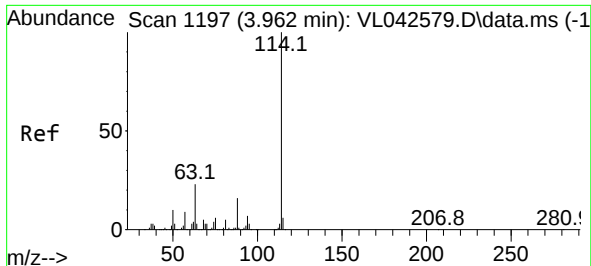


#32
 1,1,1-Trichloroethane
 Concen: 0.116 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02



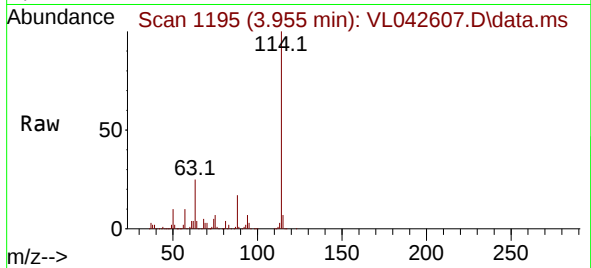
Tgt Ion: 97 Resp: 2289
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.0 76.6
 61 51.6 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

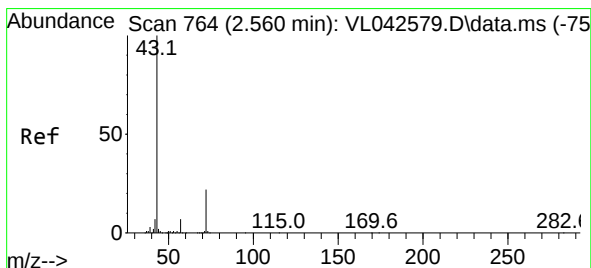
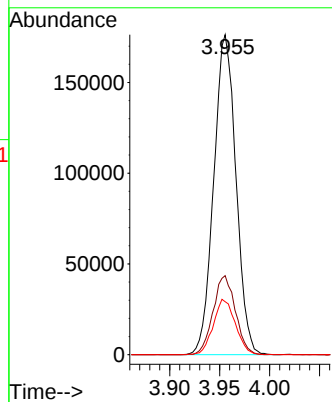
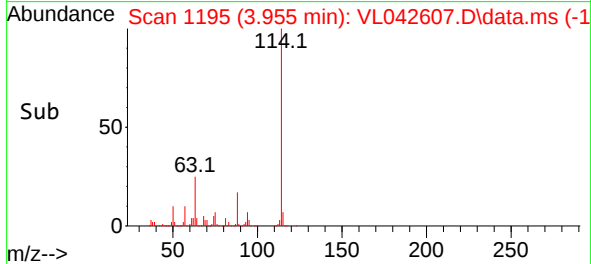
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



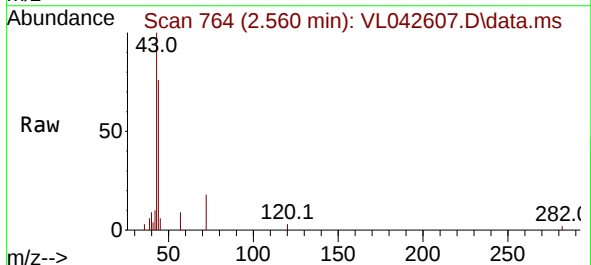
Tgt Ion:114 Resp: 27252
Ion Ratio Lower Upper
114 100
63 24.9 19.0 28.6
88 17.2 13.6 20.4

Manual Integrations
APPROVED

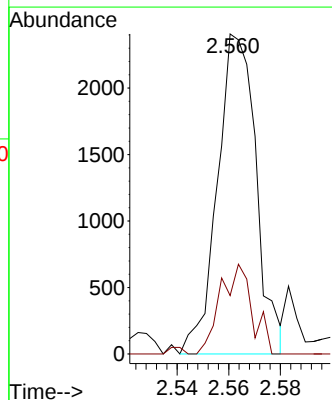
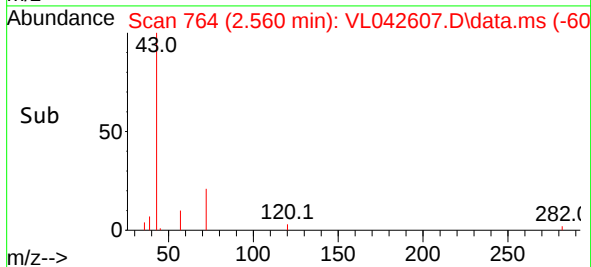
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

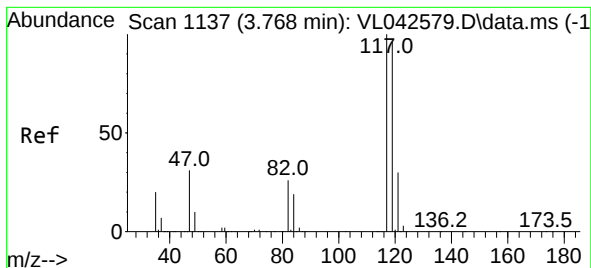


#34
2-Butanone
Concen: 0.129 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



Tgt Ion: 43 Resp: 2504
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5





#35

Carbon Tetrachloride

Concen: 0.124 ppbv

RT: 3.758 min Scan# 1137

Delta R.T. -0.010 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

Instrument :

MSVOA_L

ClientSampleId :

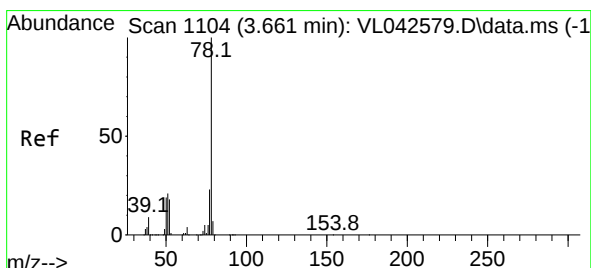
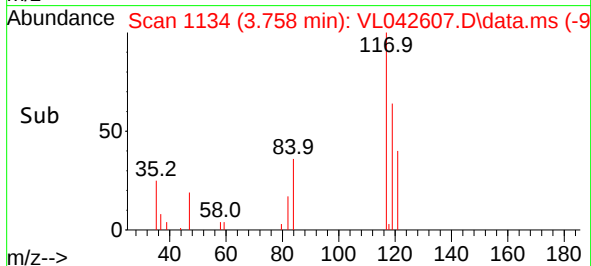
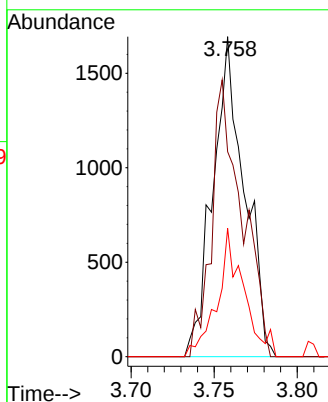
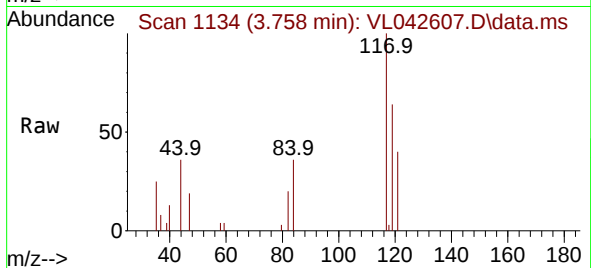
LOQ-AIR-02-QT2-2025

Tgt Ion: 117	Resp: 2239
Ion Ratio	Lower Upper
117 100	
119 64.0	76.8 115.2
121 40.1	24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#36

Benzene

Concen: 0.122 ppbv

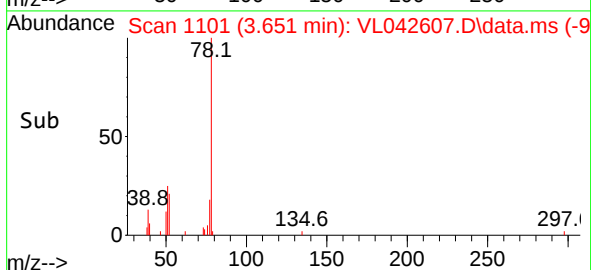
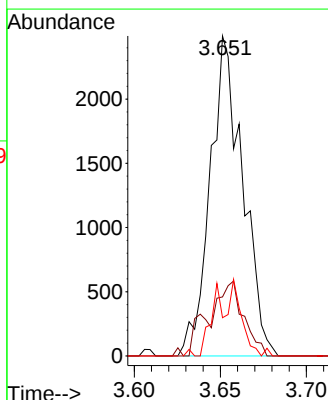
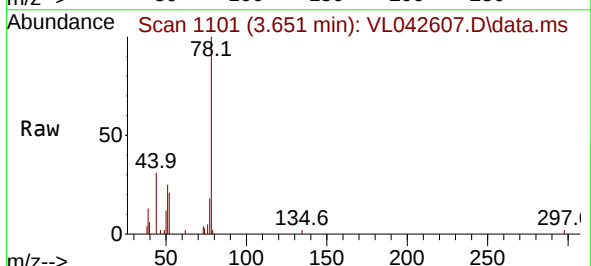
RT: 3.651 min Scan# 1101

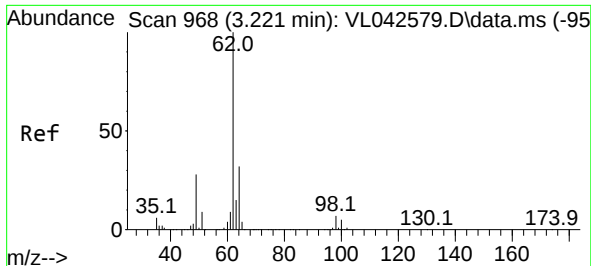
Delta R.T. -0.010 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

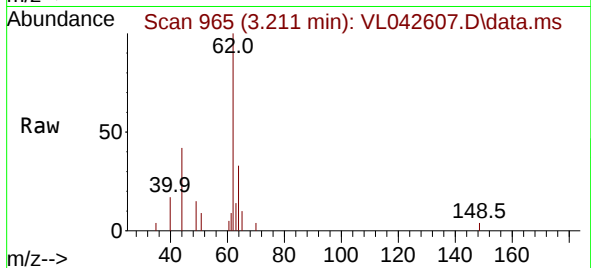
Tgt Ion: 78	Resp: 3270
Ion Ratio	Lower Upper
78 100	
77 18.4	18.2 27.2
50 12.0	15.2 22.8





#37
1,2-Dichloroethane
Concen: 0.137 ppbv m
RT: 3.211 min Scan# 965
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

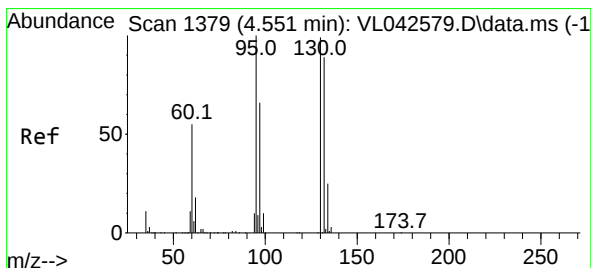
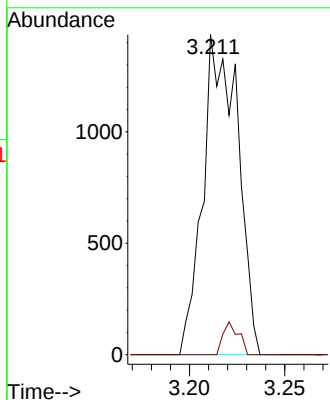
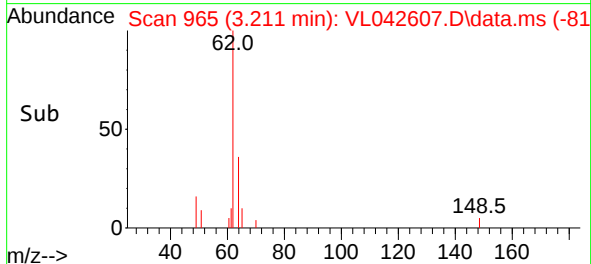
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 62 Resp: 1824
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1

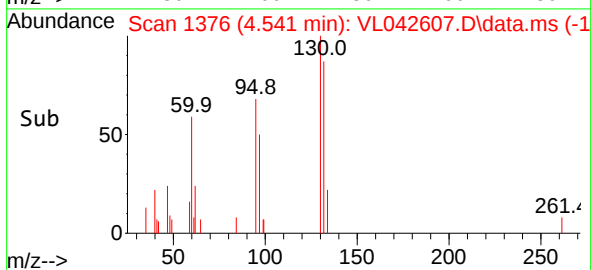
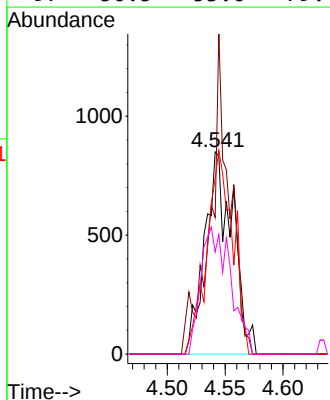
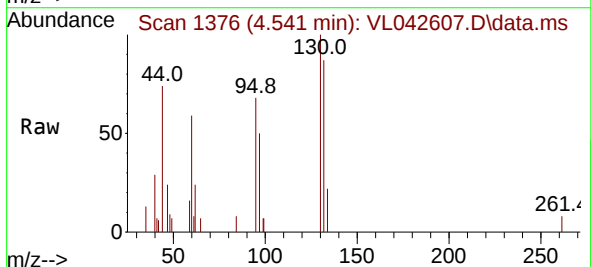
Manual Integrations
APPROVED

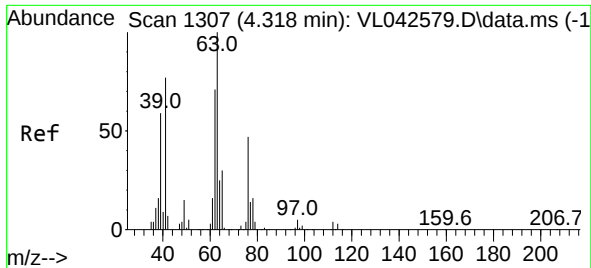
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#38
Trichloroethene
Concen: 0.125 ppbv m
RT: 4.541 min Scan# 1376
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Tgt Ion:130 Resp: 1421
Ion Ratio Lower Upper
130 100
95 67.6 80.6 121.0#
132 86.8 71.8 107.6
97 50.5 53.0 79.4#





#39

1,2-Dichloropropane

Concen: 0.128 ppbv m

RT: 4.318 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042607.D

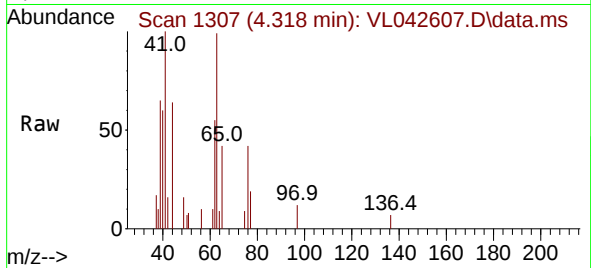
Acq: 03 Jun 2025 13:02

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025



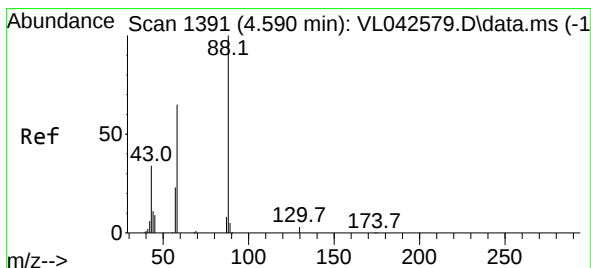
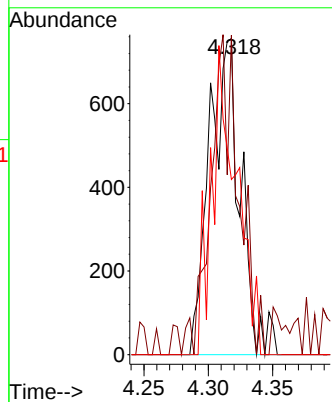
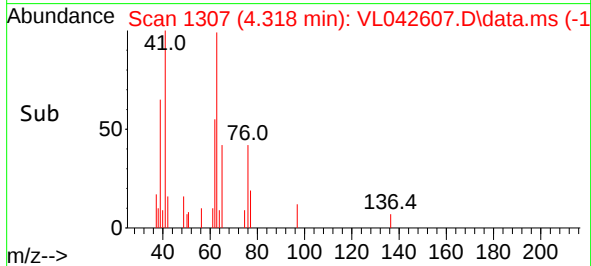
Tgt Ion:	63	Resp:	126
Ion	Ratio	Lower	Upper
63	100		
41	101.1	61.8	92.6
62	100.0	56.6	85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#40

1,4-Dioxane

Concen: 0.106 ppbv m

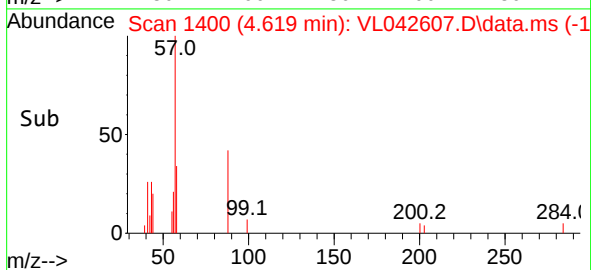
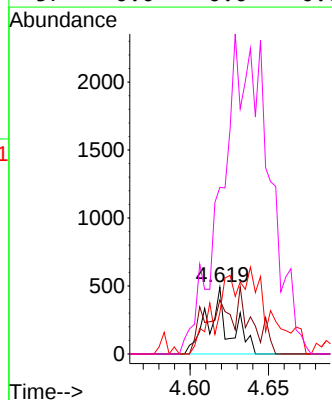
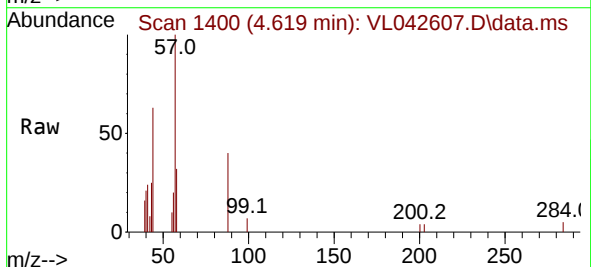
RT: 4.619 min Scan# 1400

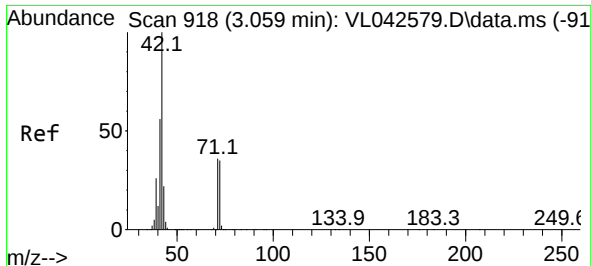
Delta R.T. 0.029 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

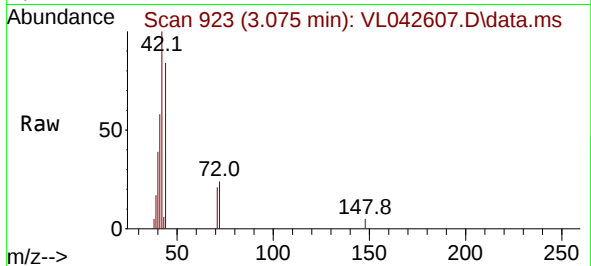
Tgt Ion:	88	Resp:	470
Ion	Ratio	Lower	Upper
88	100		
58	0.0	55.8	83.8
43	0.0	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.131 ppbv m
RT: 3.075 min Scan# 918
Delta R.T. 0.016 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

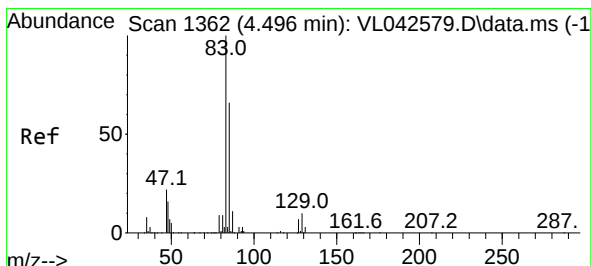
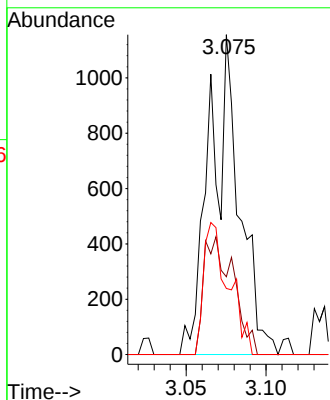
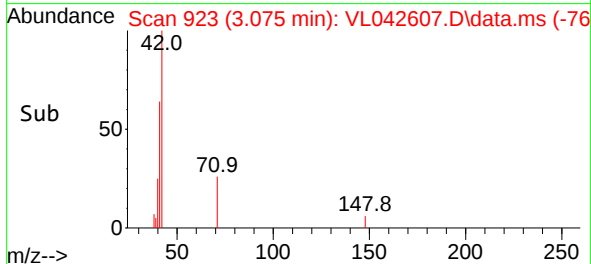
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



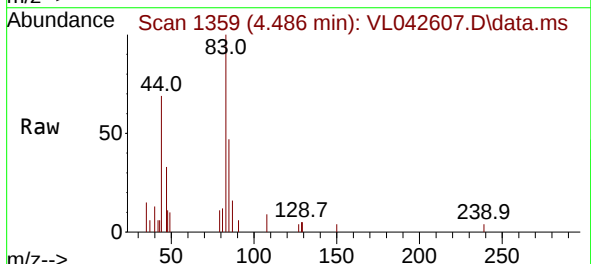
Tgt Ion: 42 Resp: 1492
Ion Ratio Lower Upper
42 100
72 0.0 28.9 43.3#
71 0.0 28.5 42.7#

Manual Integrations
APPROVED

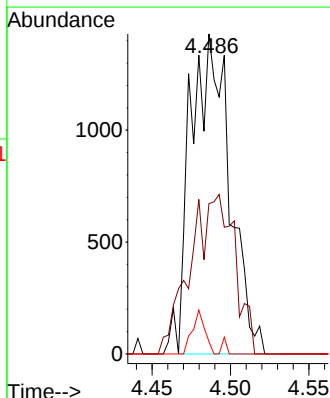
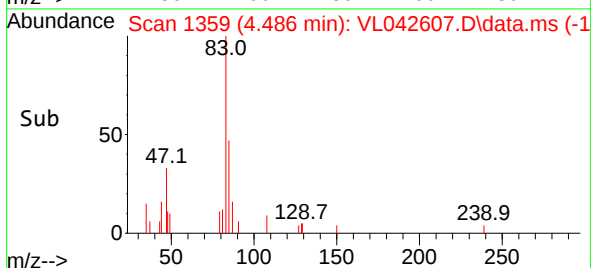
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

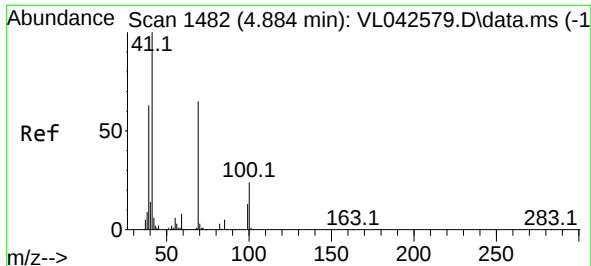


#42
Bromodichloromethane
Concen: 0.129 ppbv m
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



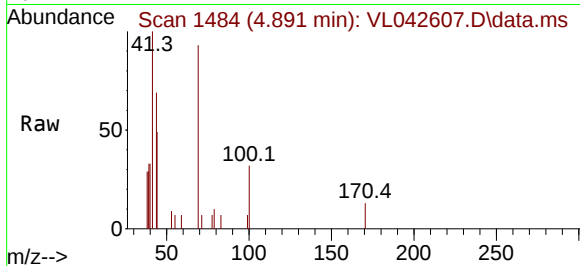
Tgt Ion: 83 Resp: 2449
Ion Ratio Lower Upper
83 100
85 46.9 52.7 79.1#
127 3.9 5.8 8.6#





#43
Methyl Methacrylate
Concen: 0.114 ppbv m
RT: 4.891 min Scan# 1482
Delta R.T. 0.007 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

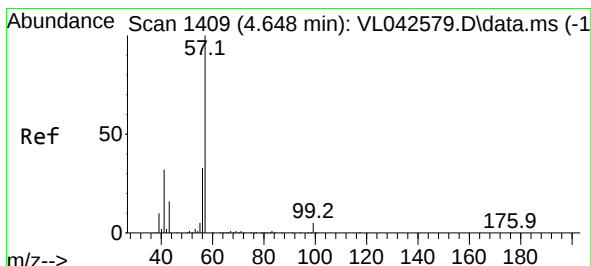
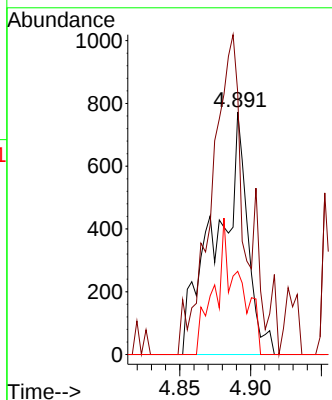
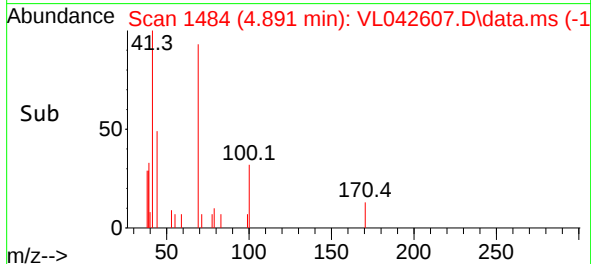
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 69 Resp: 1184
Ion Ratio Lower Upper
69 100
41 0.0 124.6 187.0#
100 44.3 29.9 44.9

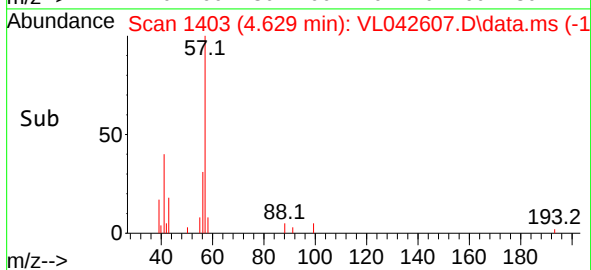
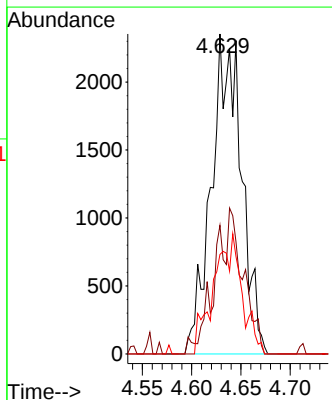
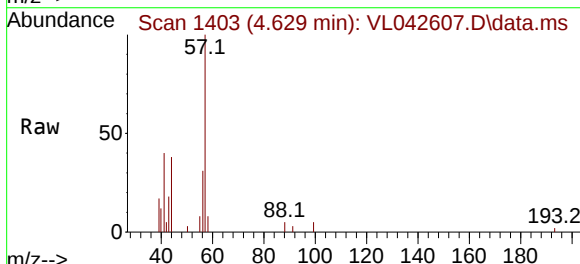
Manual Integrations
APPROVED

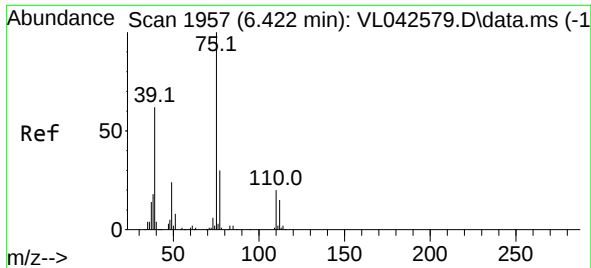
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#44
2,2,4-Trimethylpentane
Concen: 0.109 ppbv m
RT: 4.629 min Scan# 1403
Delta R.T. -0.019 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

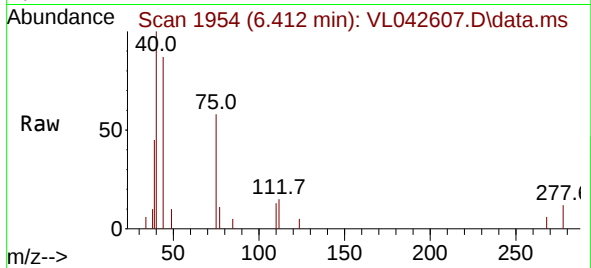
Tgt Ion: 57 Resp: 4989
Ion Ratio Lower Upper
57 100
41 42.9 26.1 39.1#
56 0.0 25.9 38.9#





#45
t-1,3-Dichloropropene
Concen: 0.098 ppbv m
RT: 6.412 min Scan# 1957
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

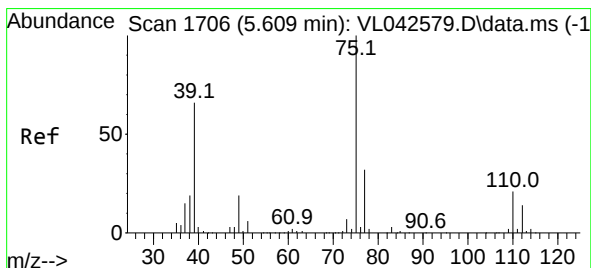
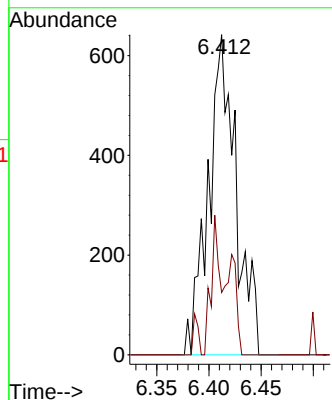
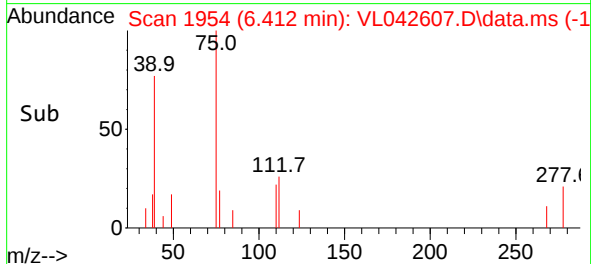
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 75 Resp: 1174
Ion Ratio Lower Upper
75 100
77 19.5 24.2 36.2

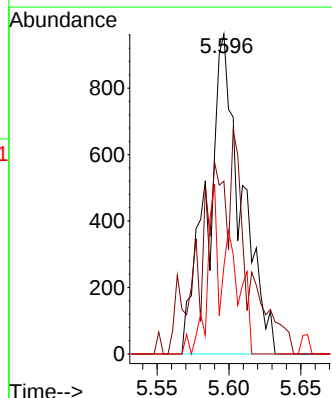
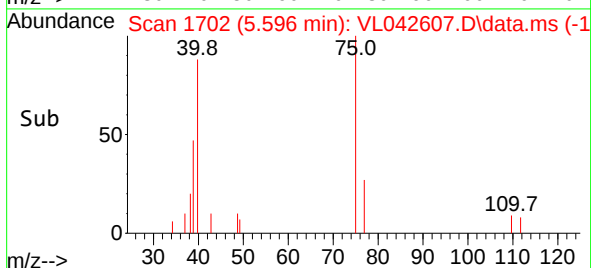
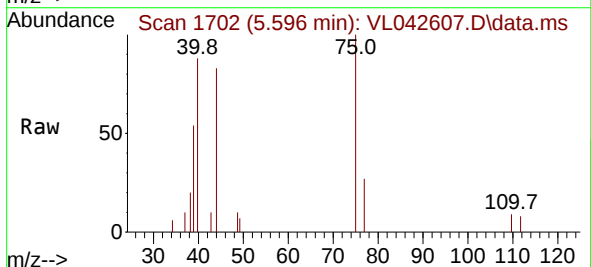
Manual Integrations
APPROVED

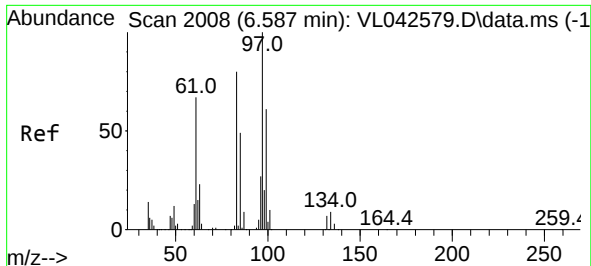
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#46
cis-1,3-Dichloropropene
Concen: 0.106 ppbv m
RT: 5.596 min Scan# 1702
Delta R.T. -0.013 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

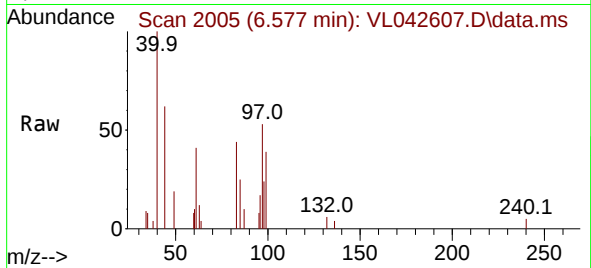
Tgt Ion: 75 Resp: 1578
Ion Ratio Lower Upper
75 100
39 54.0 52.7 79.1
77 27.4 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 0.116 ppbv m
RT: 6.577 min Scan# 2005
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

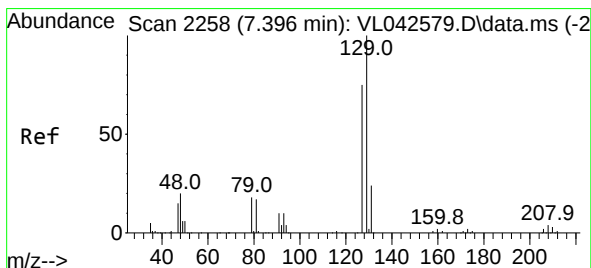
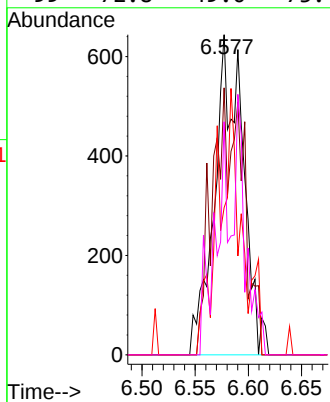
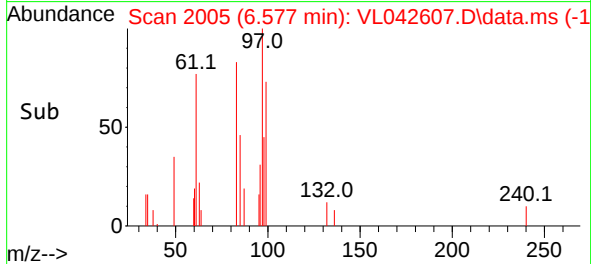
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.4	63.9	95.9
85	46.0	39.2	58.8
99	72.8	49.0	73.4

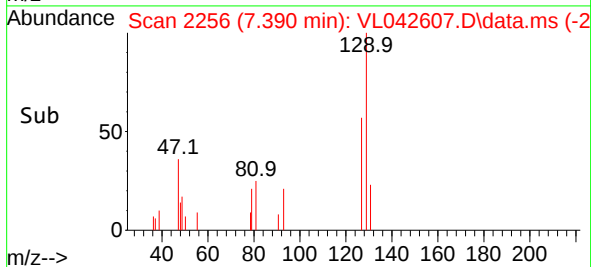
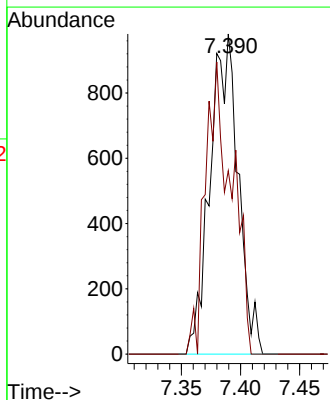
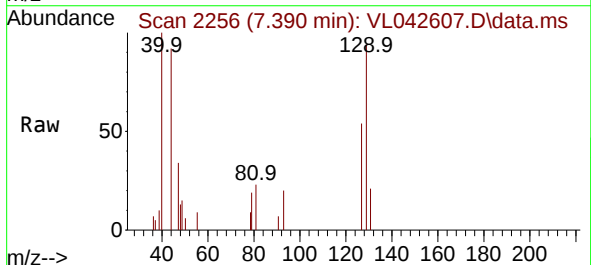
Manual Integrations
APPROVED

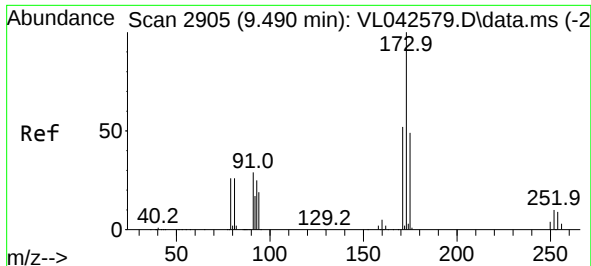
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#48
Dibromochloromethane
Concen: 0.099 ppbv m
RT: 7.390 min Scan# 2256
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

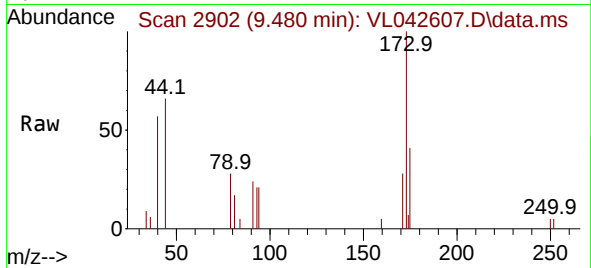
Tgt Ion	Ratio	Lower	Upper
129	100		
127	86.2	39.0	116.9





#49
Bromoform
Concen: 0.103 ppbv
RT: 9.480 min Scan# 2905
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

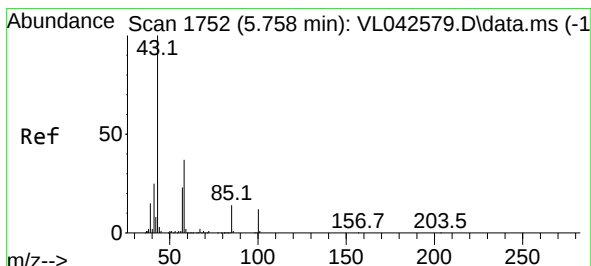
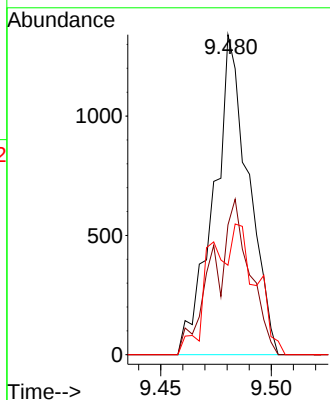
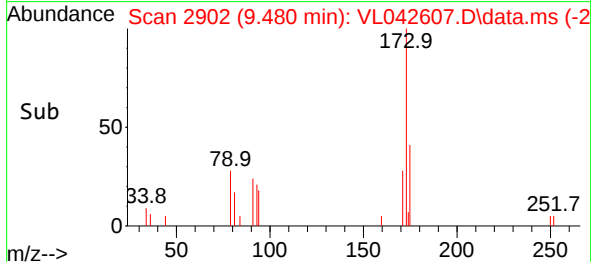
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 173 Resp: 146
Ion Ratio Lower Upper
173 100
175 51.3 38.7 58.1
171 53.6 41.2 61.8

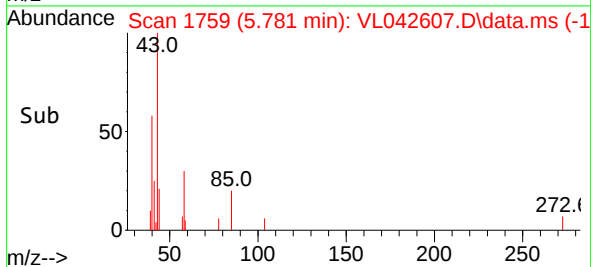
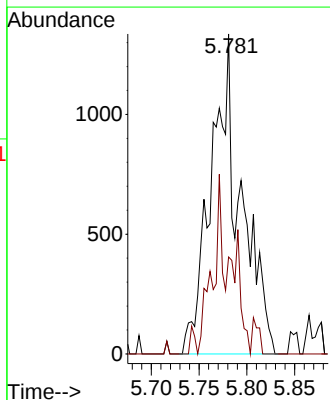
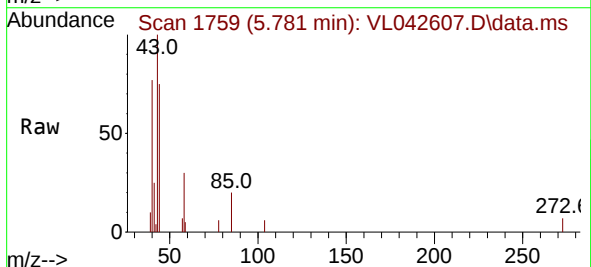
Manual Integrations
APPROVED

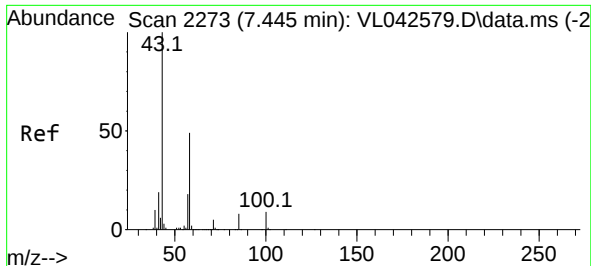
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#50
4-Methyl-2-Pentanone
Concen: 0.107 ppbv m
RT: 5.781 min Scan# 1759
Delta R.T. 0.023 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

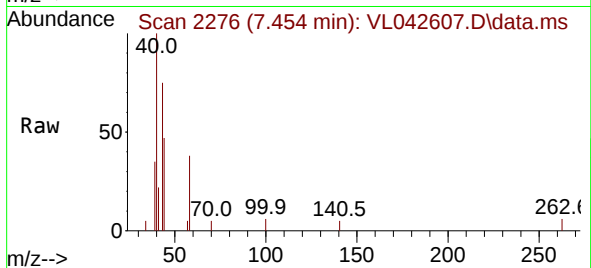
Tgt Ion: 43 Resp: 2894
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#





#51
2-Hexanone
Concen: 0.084 ppbv m
RT: 7.454 min Scan# 2179
Delta R.T. 0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

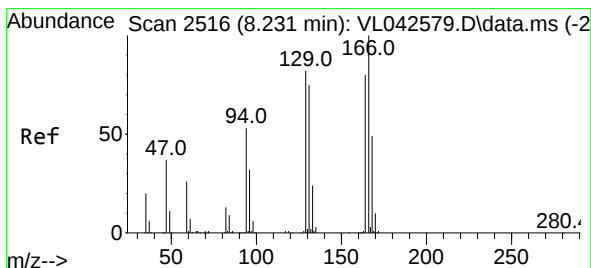
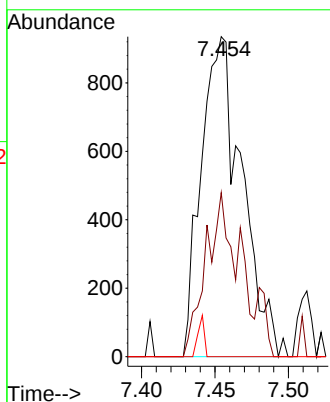
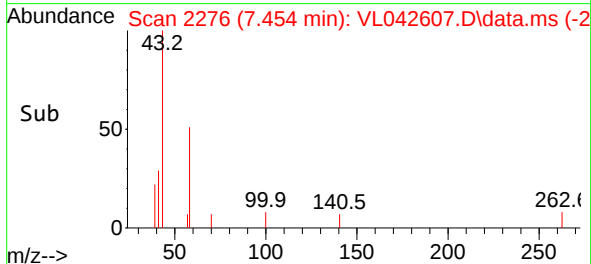
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
58 45.9 39.9 59.9
98 2.0 0.1 0.1

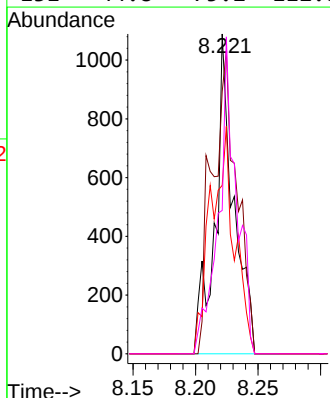
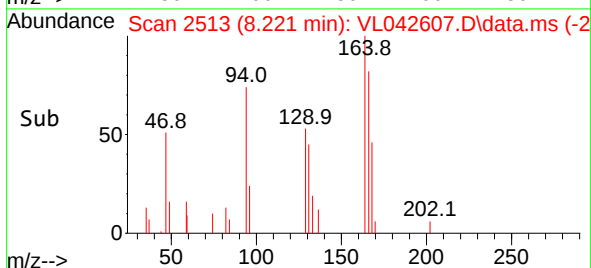
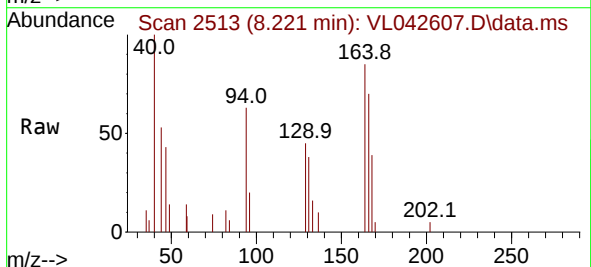
Manual Integrations
APPROVED

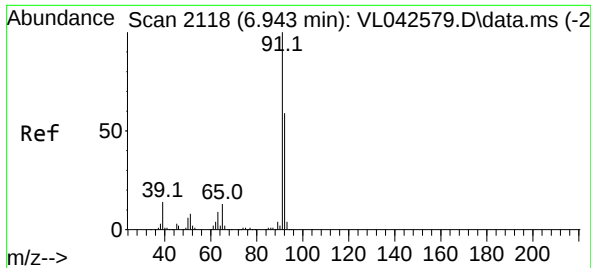
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#52
Tetrachloroethene
Concen: 0.111 ppbv m
RT: 8.221 min Scan# 2513
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

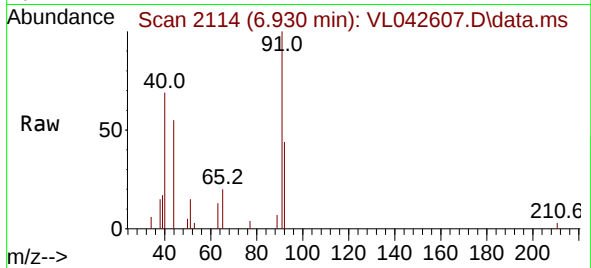
Tgt Ion:164 Resp: 1115
Ion Ratio Lower Upper
164 100
166 82.0 100.0 150.0#
129 52.7 82.2 123.4#
131 44.8 75.2 112.8#





#53
Toluene
Concen: 0.101 ppbv m
RT: 6.930 min Scan# 2114
Delta R.T. -0.013 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

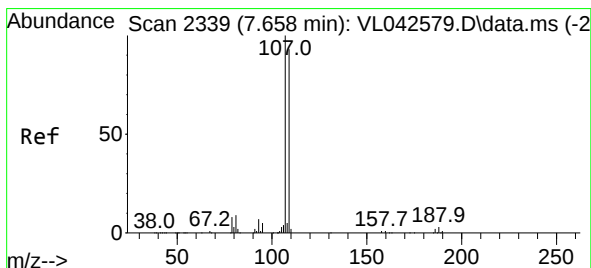
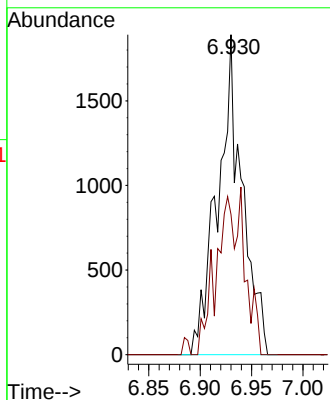
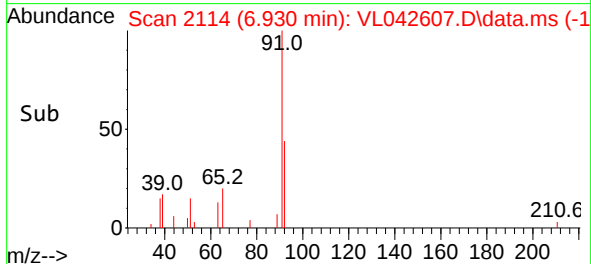
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 91 Resp: 313
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4

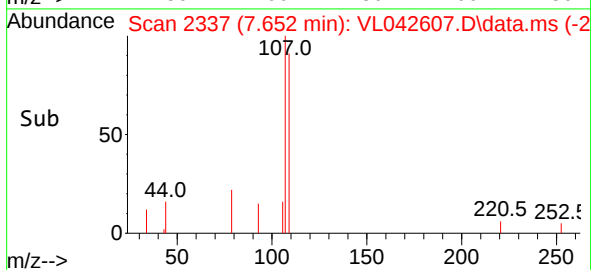
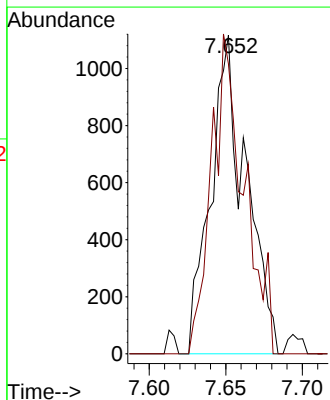
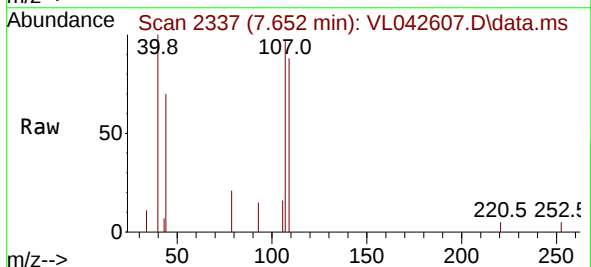
Manual Integrations
APPROVED

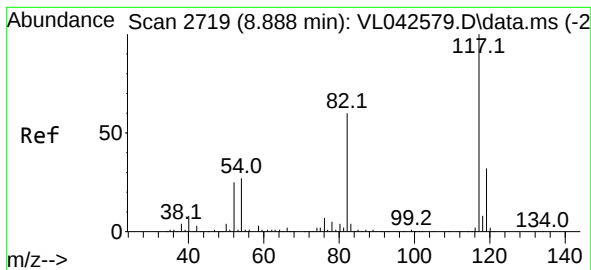
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#54
1,2-Dibromoethane
Concen: 0.118 ppbv m
RT: 7.652 min Scan# 2337
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

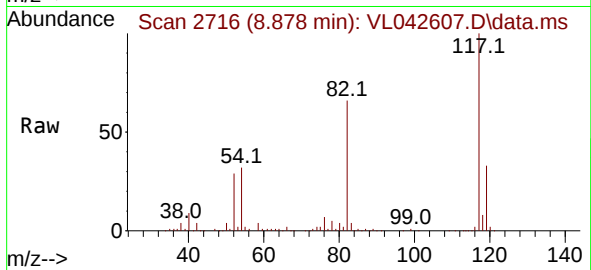
Tgt Ion:107 Resp: 1791
Ion Ratio Lower Upper
107 100
109 91.0 74.3 111.5





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.878 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

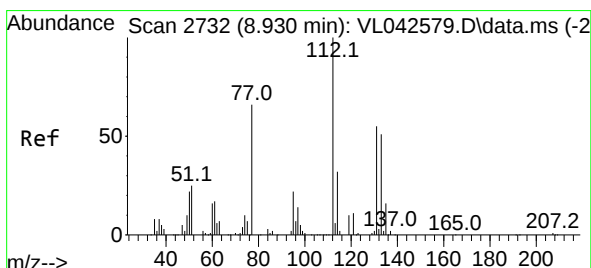
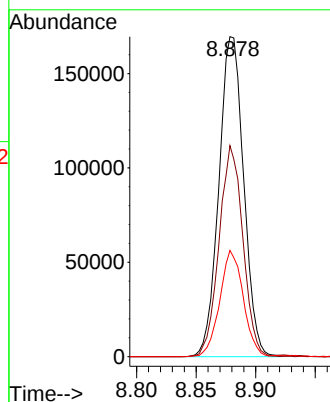
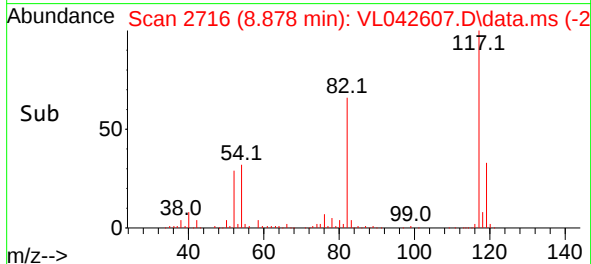
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion:117 Resp: 24496
 Ion Ratio Lower Upper
 117 100
 82 63.4 51.2 76.8
 119 32.0 26.3 39.5

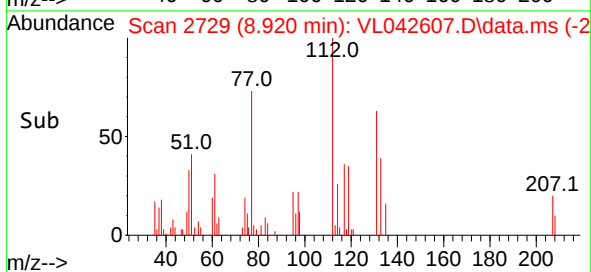
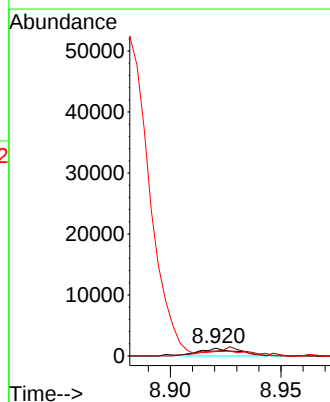
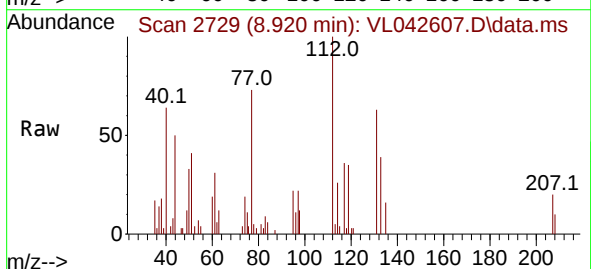
Manual Integrations
 APPROVED

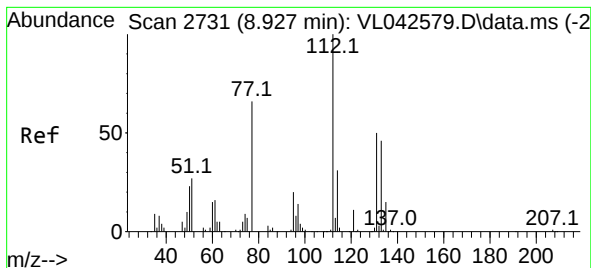
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.123 ppbv
 RT: 8.920 min Scan# 2729
 Delta R.T. -0.010 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

Tgt Ion:131 Resp: 1517
 Ion Ratio Lower Upper
 131 100
 133 116.2 75.0 112.6#
 119 0.0 50.8 76.2#





#57

Chlorobenzene

Concen: 0.126 ppbv m

RT: 8.917 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

Tgt Ion: 112 Resp: 3002

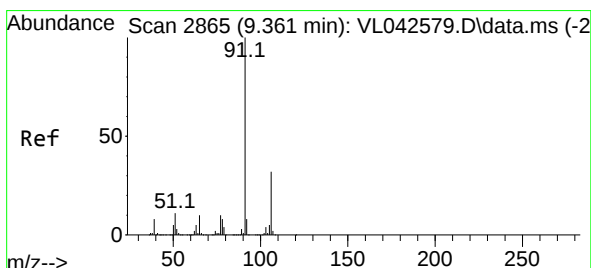
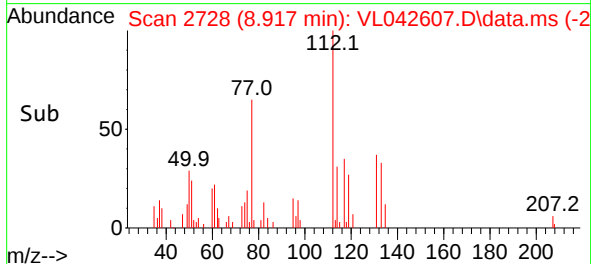
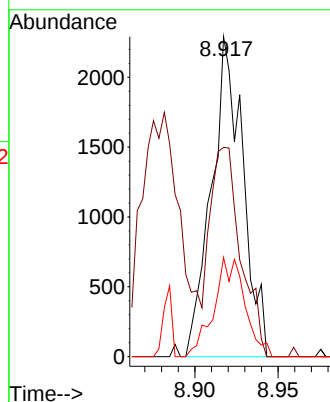
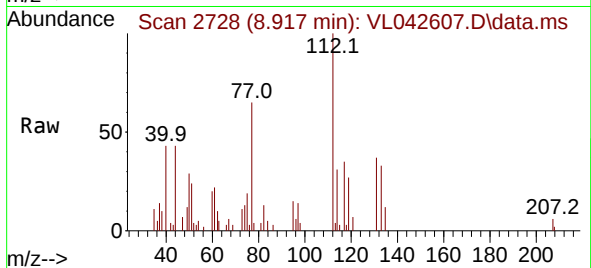
Ion	Ratio	Lower	Upper
112	100		
77	65.4	53.5	80.3
114	31.0	27.8	34.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#58

Ethyl Benzene

Concen: 0.091 ppbv m

RT: 9.351 min Scan# 2862

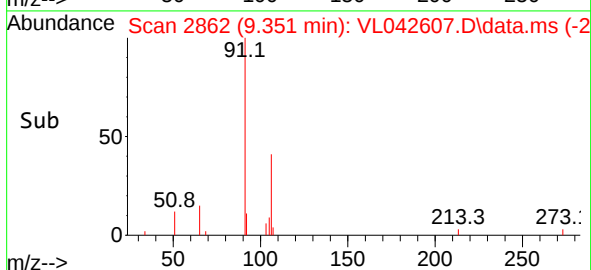
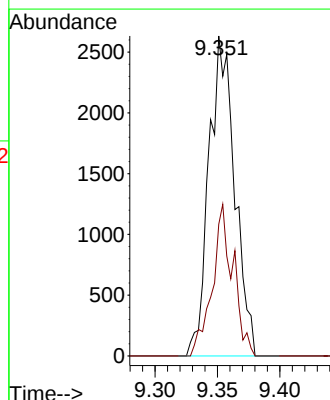
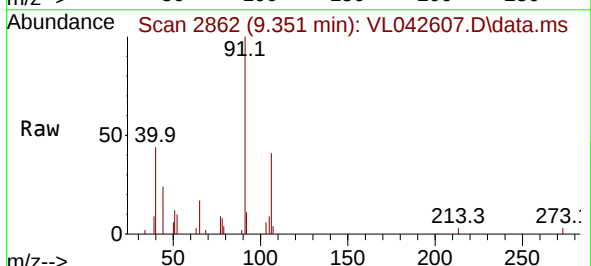
Delta R.T. -0.010 min

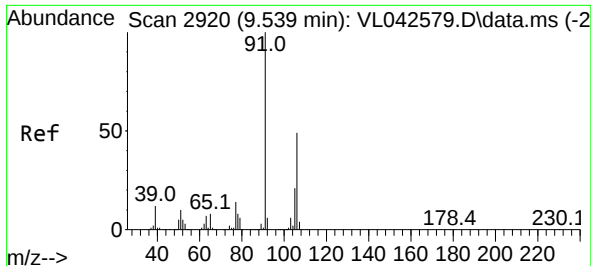
Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

Tgt Ion: 91 Resp: 3777

Ion	Ratio	Lower	Upper
91	100		
106	41.1	25.9	38.9





#59

m/p-Xylene

Concen: 0.170 ppbv m

RT: 9.555 min Scan# 2920

Delta R.T. 0.016 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

Tgt Ion: 91 Resp: 557

Ion Ratio Lower Upper

91 100

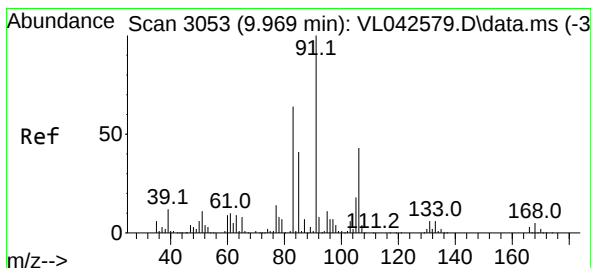
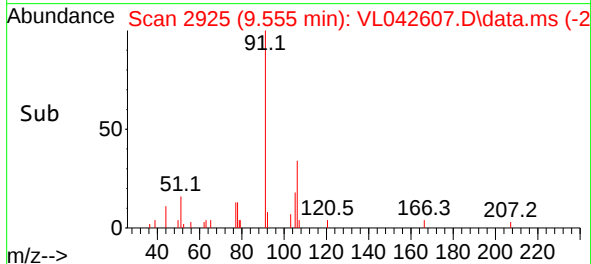
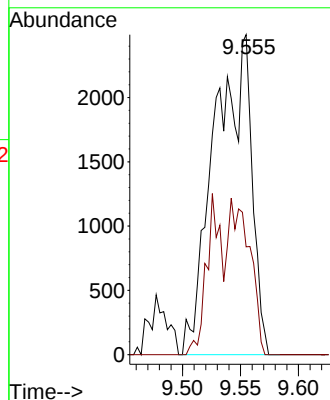
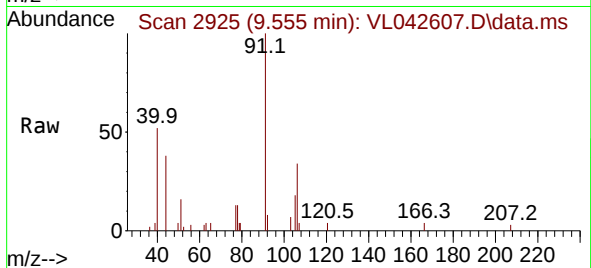
106 48.1 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#60

o-Xylene

Concen: 0.096 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.006 min

Lab File: VL042607.D

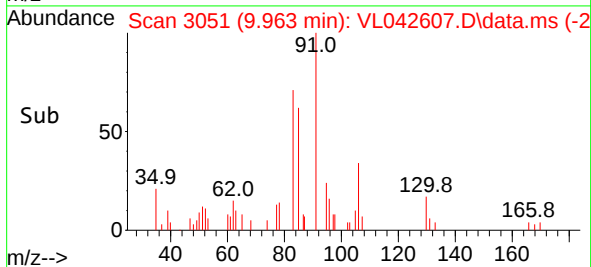
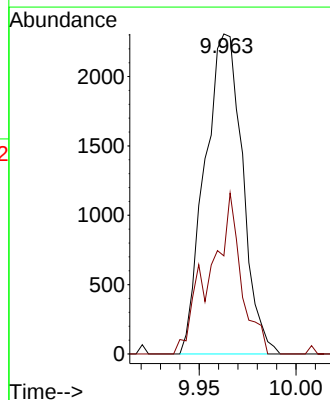
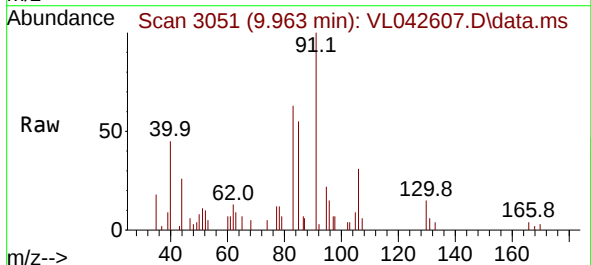
Acq: 03 Jun 2025 13:02

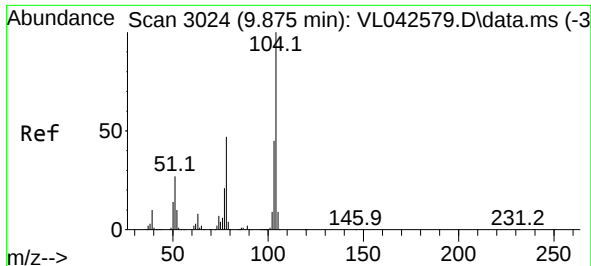
Tgt Ion: 91 Resp: 3119

Ion Ratio Lower Upper

91 100

106 42.3 22.9 68.5





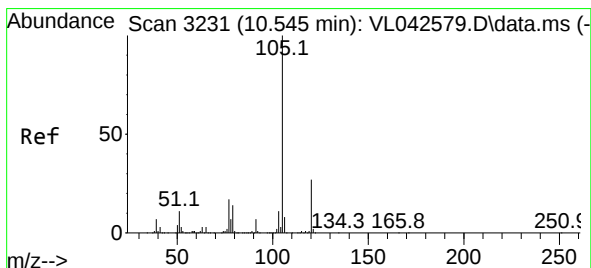
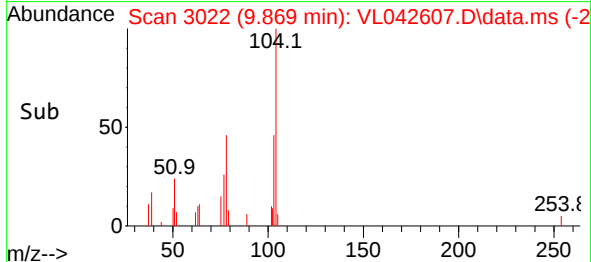
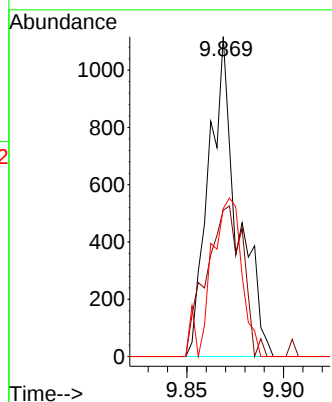
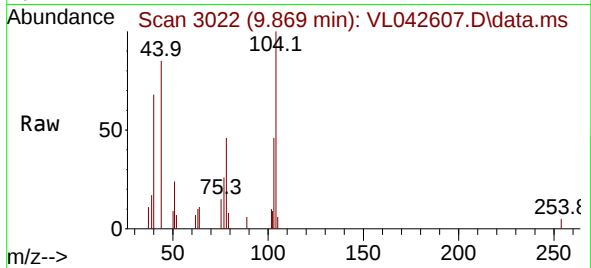
#61
Styrene
Concen: 0.075 ppbv m
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

Tgt Ion:104 Resp: 115
Ion Ratio Lower Upper
104 100
78 60.7 38.2 57.4
103 53.0 36.7 55.1

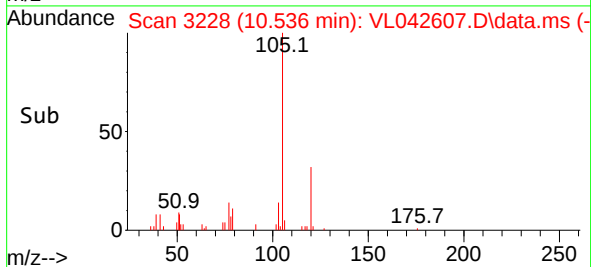
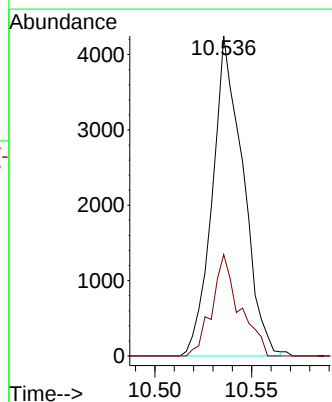
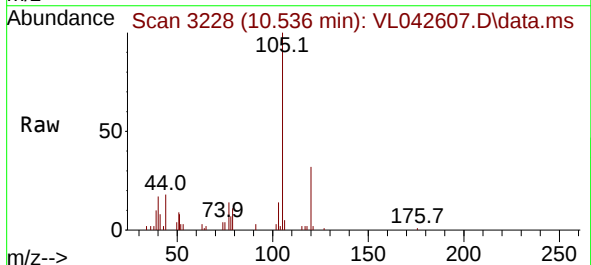
Manual Integrations
APPROVED

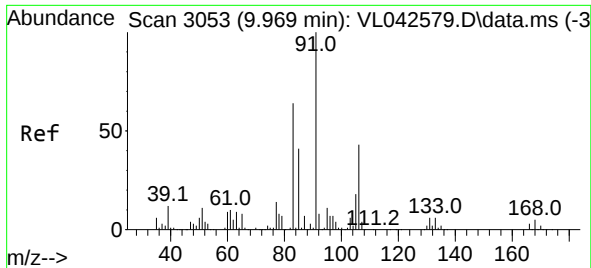
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#62
Isopropylbenzene
Concen: 0.097 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

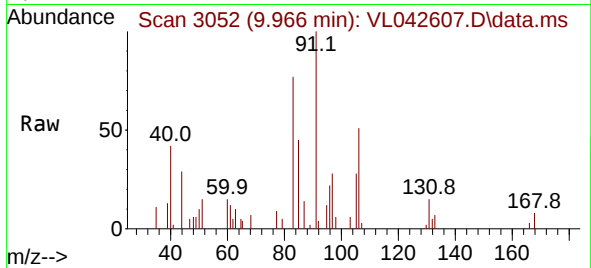
Tgt Ion:105 Resp: 4667
Ion Ratio Lower Upper
105 100
120 28.6 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.113 ppbv m
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

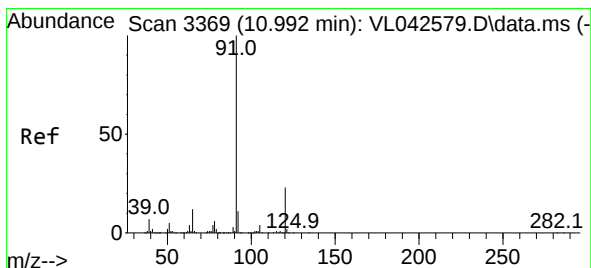
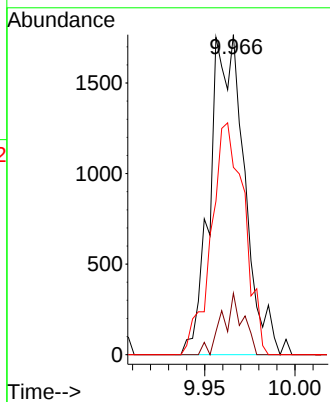
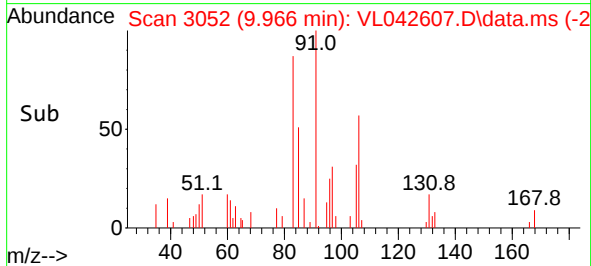
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



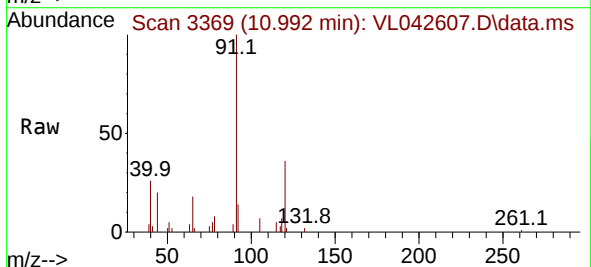
Tgt Ion: 83 Resp: 233
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4
85 0.0 32.5 97.4

Manual Integrations
APPROVED

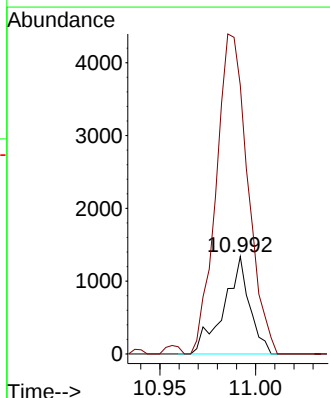
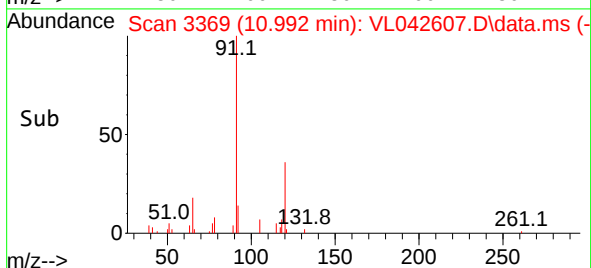
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

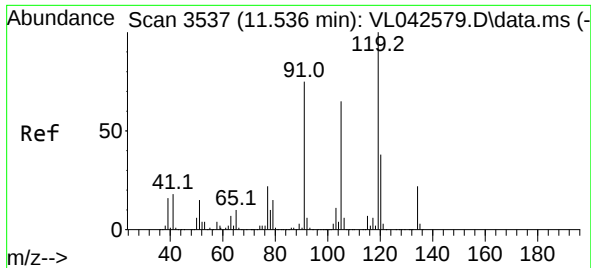


#64
n-propylbenzene
Concen: 0.097 ppbv m
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



Tgt Ion:120 Resp: 1252
Ion Ratio Lower Upper
120 100
91 408.2 363.0 544.6





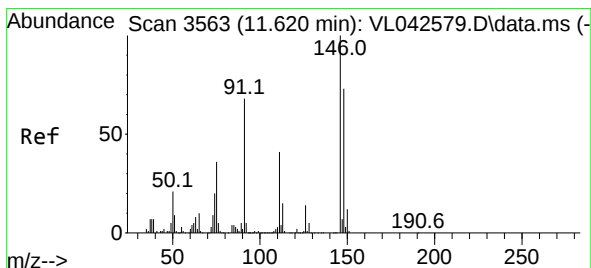
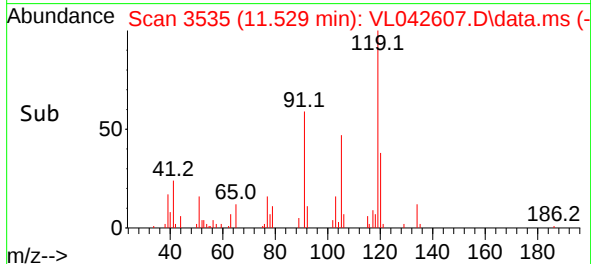
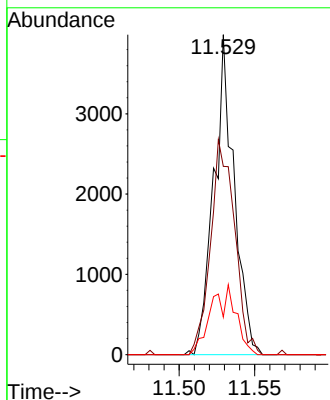
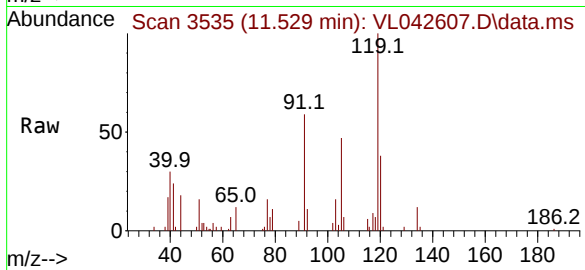
#65
tert-Butylbenzene
Concen: 0.085 ppbv m
RT: 11.529 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

Tgt Ion:119 Resp: 3700
Ion Ratio Lower Upper
119 100
91 80.3 61.1 91.7
134 27.1 17.4 26.2

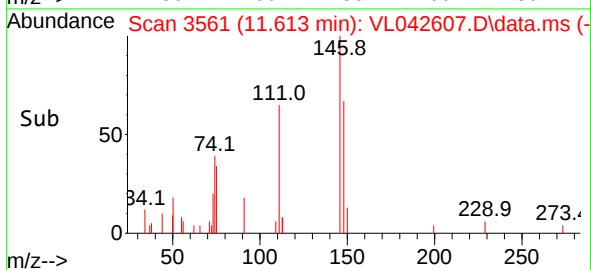
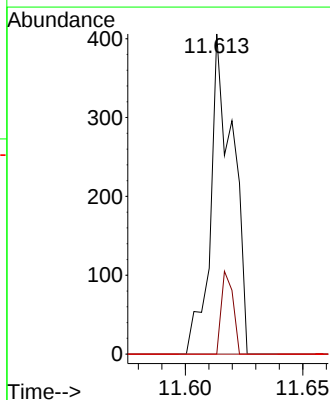
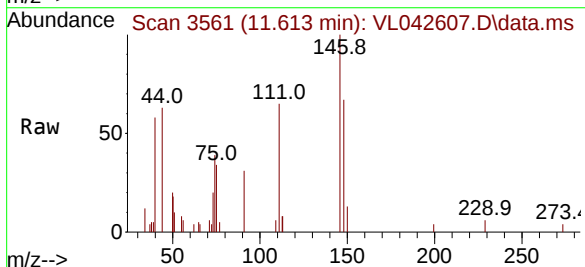
Manual Integrations
APPROVED

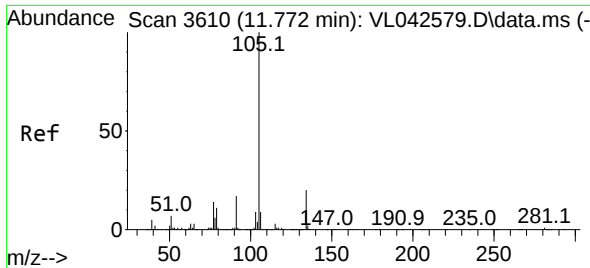
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#66
Benzyl Chloride
Concen: 0.048 ppbv m
RT: 11.613 min Scan# 3561
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Tgt Ion: 91 Resp: 269
Ion Ratio Lower Upper
91 100
126 0.0 15.1 22.7#
128 0.0 5.0 7.6#





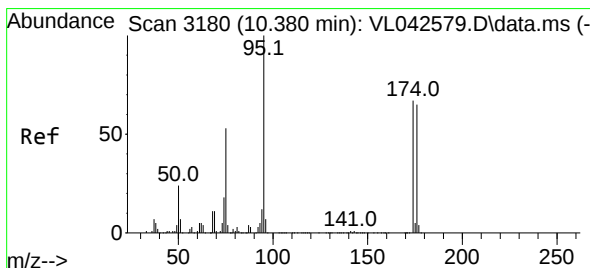
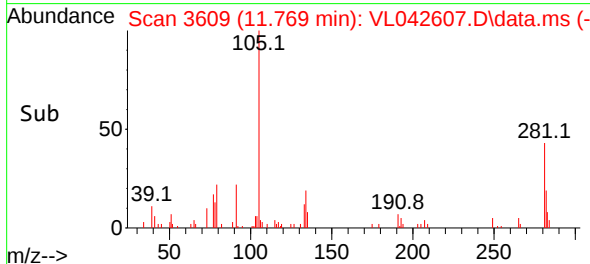
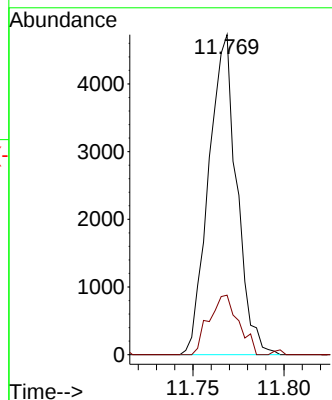
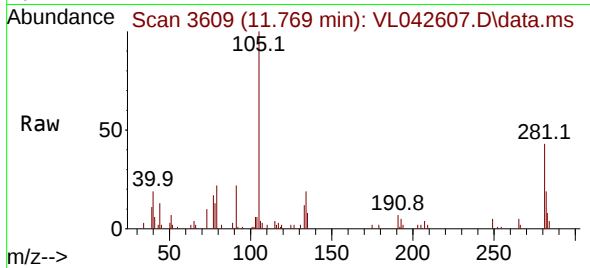
#67
 sec-Butylbenzene
 Concen: 0.083 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Tgt Ion:105 Resp: 5082
 Ion Ratio Lower Upper
 105 100
 134 20.0 15.8 23.6

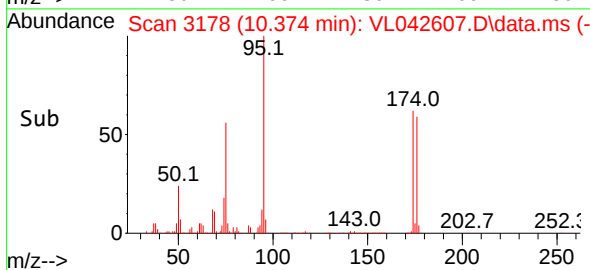
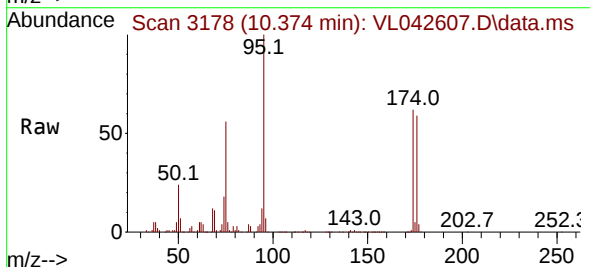
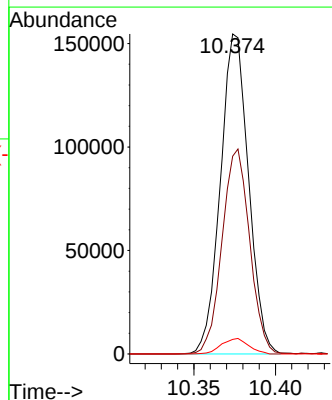
Manual Integrations
 APPROVED

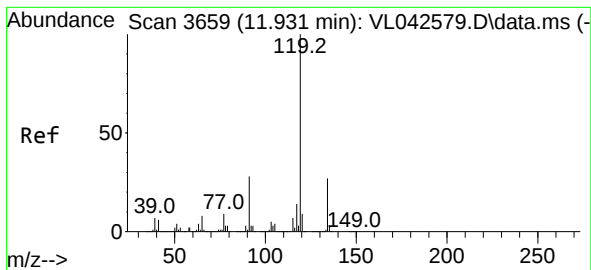
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.099 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.006 min
 Lab File: VL042607.D
 Acq: 03 Jun 2025 13:02

Tgt Ion: 95 Resp: 185452
 Ion Ratio Lower Upper
 95 100
 174 63.0 53.1 79.7
 175 4.7 4.2 6.2





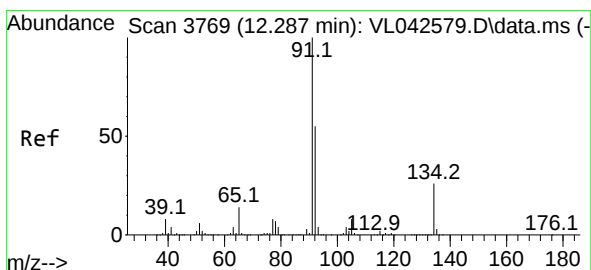
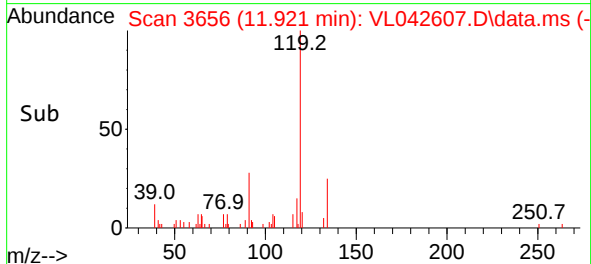
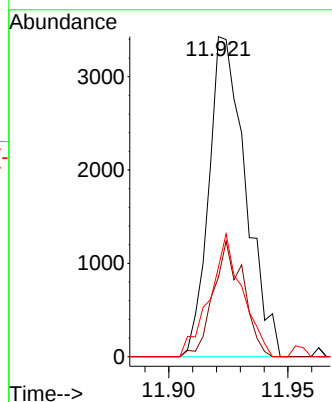
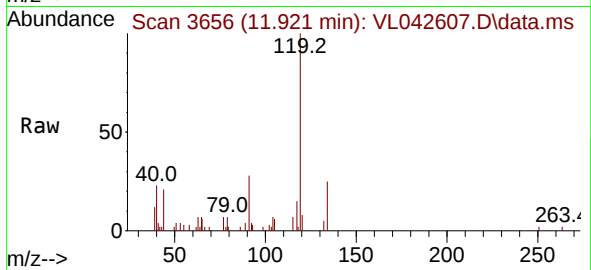
#69
p-Isopropyltoluene
Concen: 0.072 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

Tgt Ion: 119 Resp: 3680
Ion Ratio Lower Upper
119 100
134 29.4 21.1 31.7
91 34.9 21.9 32.9

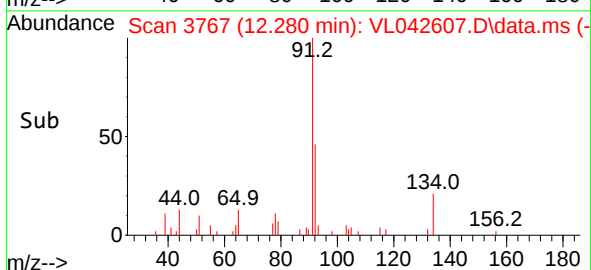
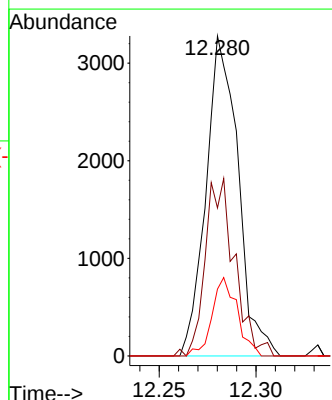
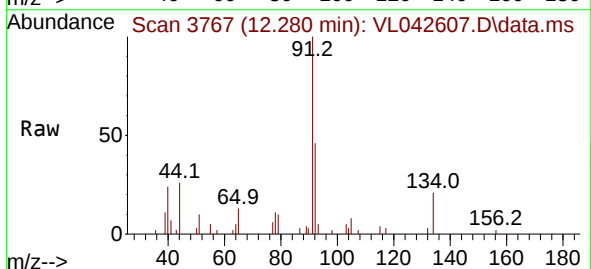
Manual Integrations
APPROVED

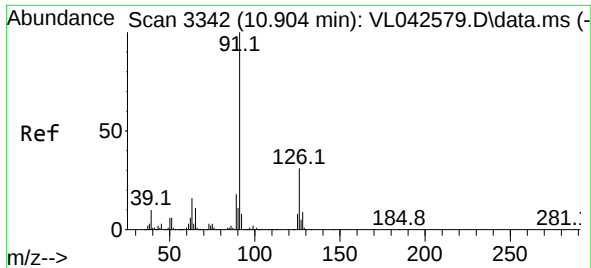
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#70
n-Butylbenzene
Concen: 0.074 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

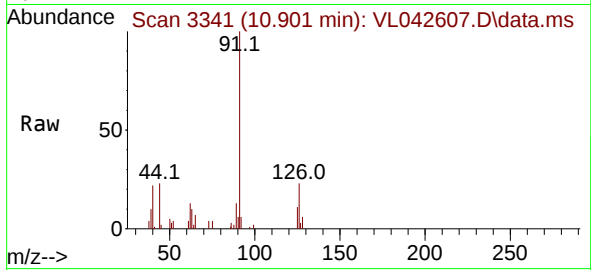
Tgt Ion: 91 Resp: 3779
Ion Ratio Lower Upper
91 100
92 50.4 44.4 66.6
134 19.3 20.1 30.1





#71
2-Chlorotoluene
Concen: 0.106 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

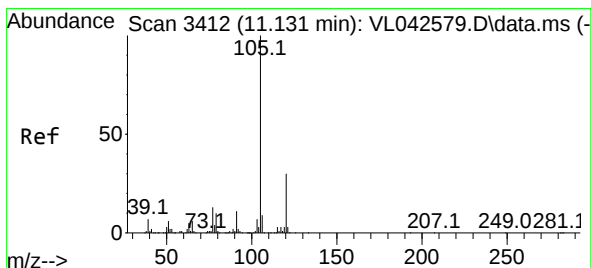
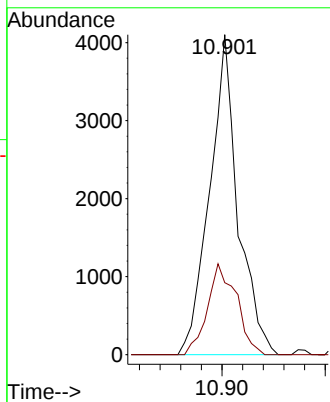
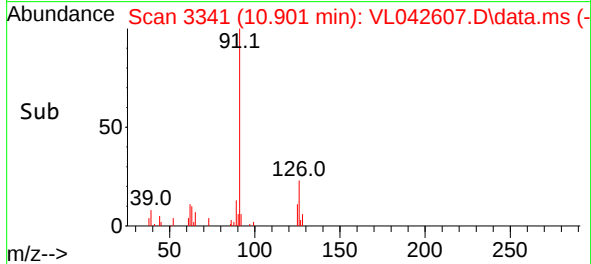
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



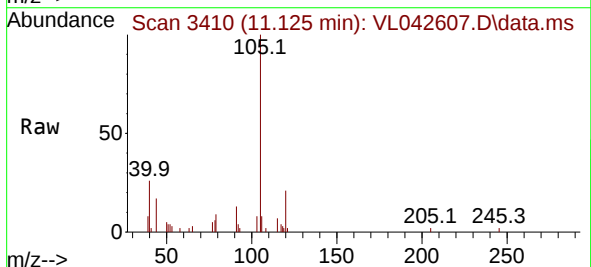
Tgt Ion: 91 Resp: 389
Ion Ratio Lower Upper
91 100
126 29.2 12.6 50.4

Manual Integrations
APPROVED

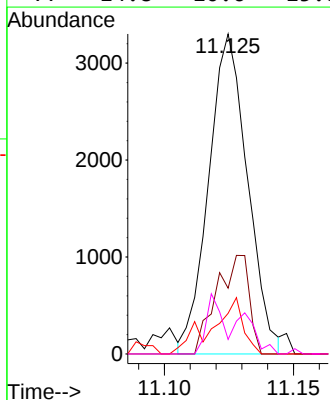
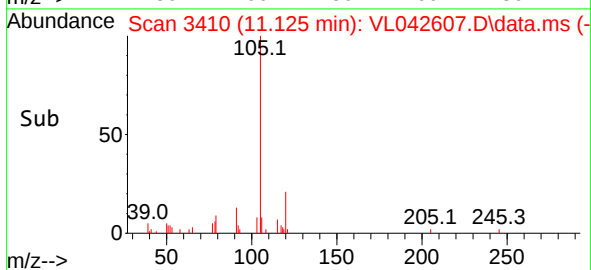
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

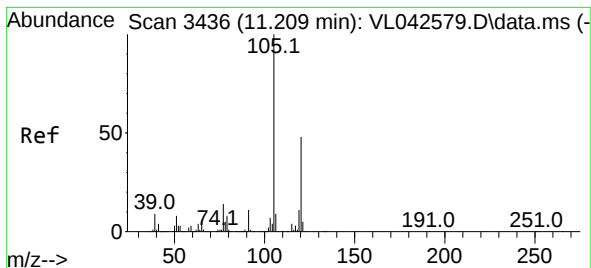


#72
4-Ethyltoluene
Concen: 0.085 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



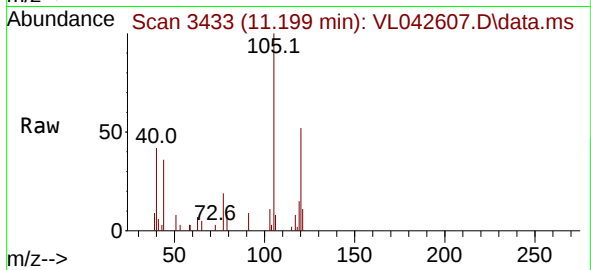
Tgt Ion:105 Resp: 3451
Ion Ratio Lower Upper
105 100
120 25.9 24.6 36.8
91 16.0 9.6 14.4#
77 14.8 10.6 15.8





#73
1,3,5-Trimethylbenzene
Concen: 0.078 ppbv m
RT: 11.199 min Scan# 3436
Delta R.T. -0.010 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

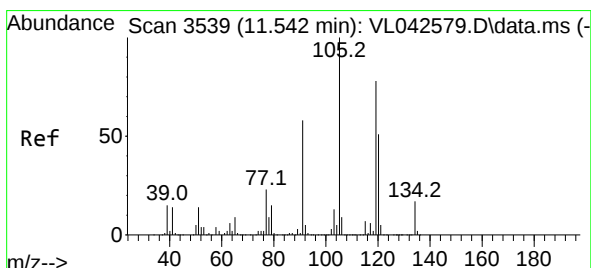
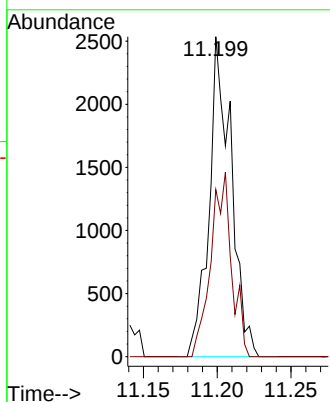
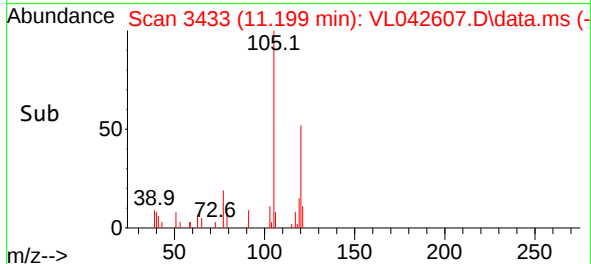
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion:105 Resp: 2639
Ion Ratio Lower Upper
105 100
120 52.2 38.8 58.2

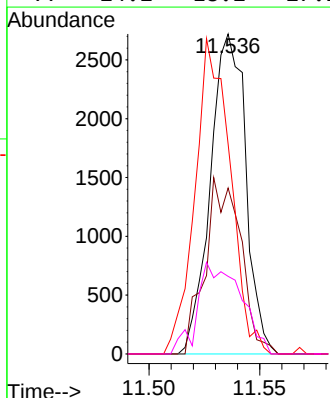
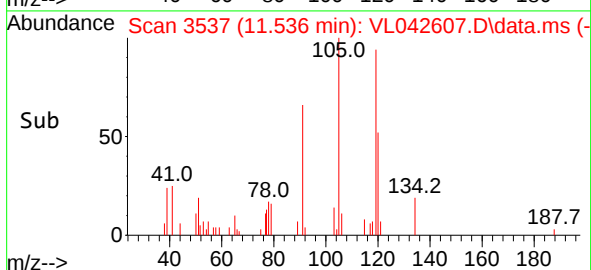
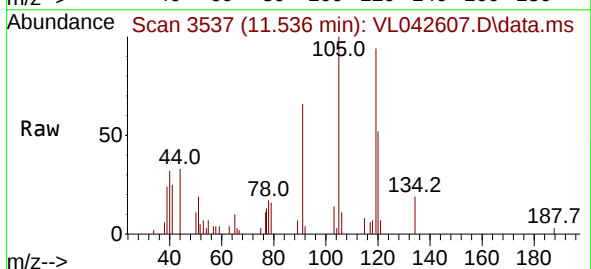
Manual Integrations
APPROVED

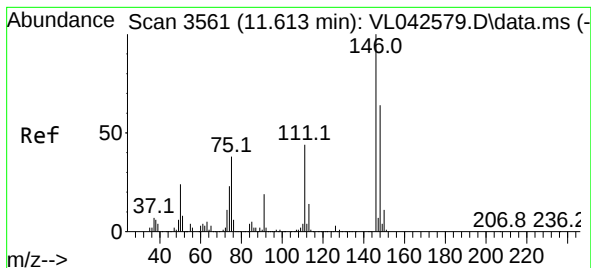
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.081 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

Tgt Ion:105 Resp: 3020
Ion Ratio Lower Upper
105 100
120 51.9 40.8 61.2
91 65.6 46.8 70.2
77 24.2 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 0.099 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.006 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

Instrument :

MSVOA_L

ClientSampleId :

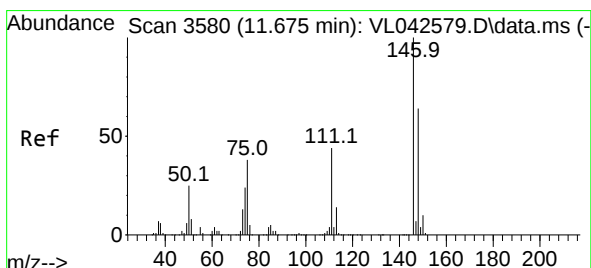
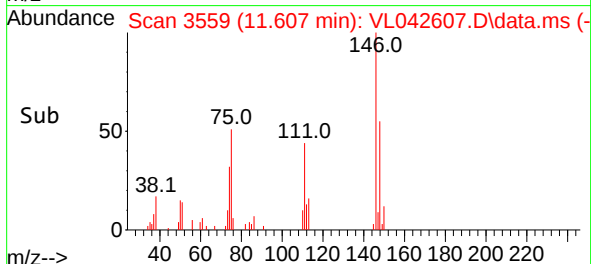
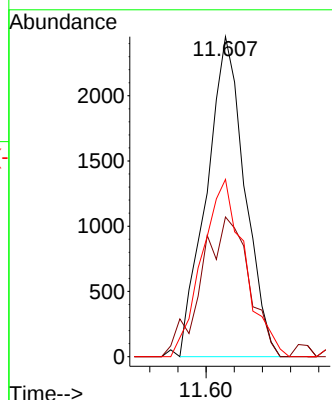
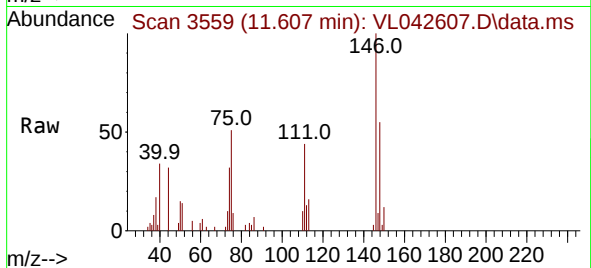
LOQ-AIR-02-QT2-2025

Tgt Ion:	146	Resp:	231
Ion Ratio	Lower	Upper	
146	100		
111	55.6	22.4	67.3
148	61.7	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#76

1,4-Dichlorobenzene

Concen: 0.086 ppbv

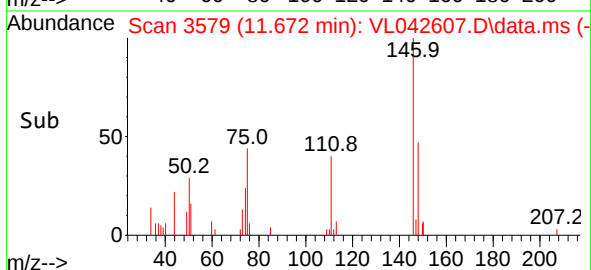
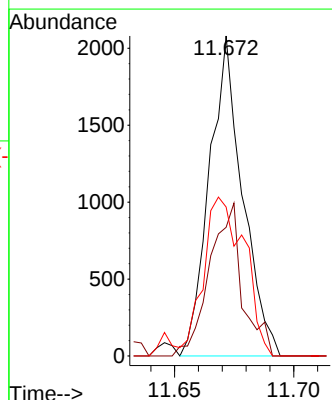
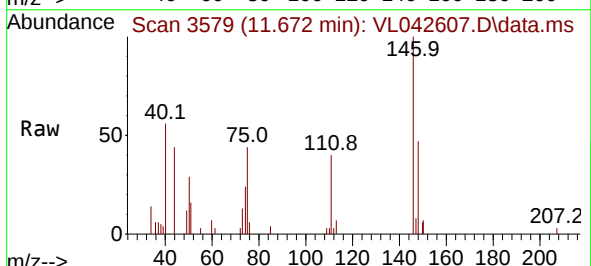
RT: 11.672 min Scan# 3579

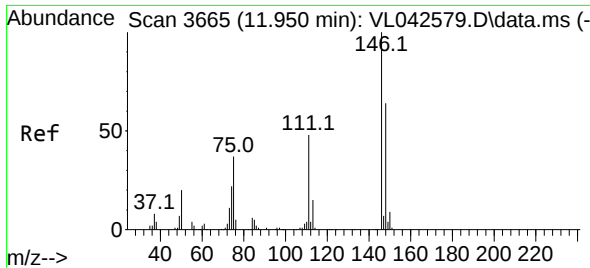
Delta R.T. -0.003 min

Lab File: VL042607.D

Acq: 03 Jun 2025 13:02

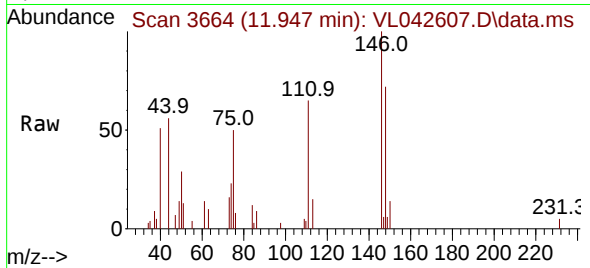
Tgt Ion:	146	Resp:	2018
Ion Ratio	Lower	Upper	
146	100		
111	47.0	21.6	64.8
148	64.3	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 0.111 ppbv
RT: 11.947 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

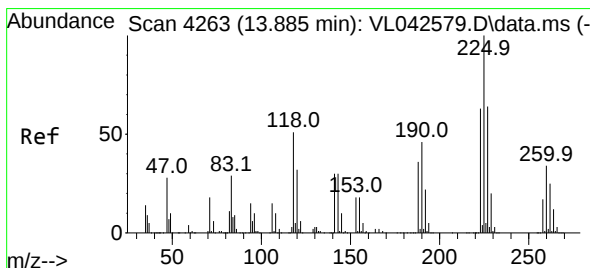
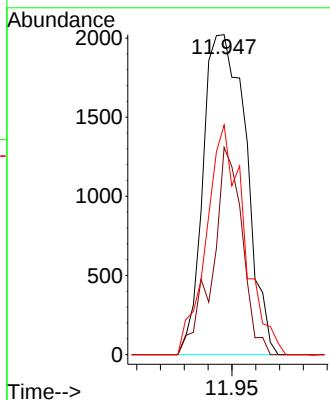
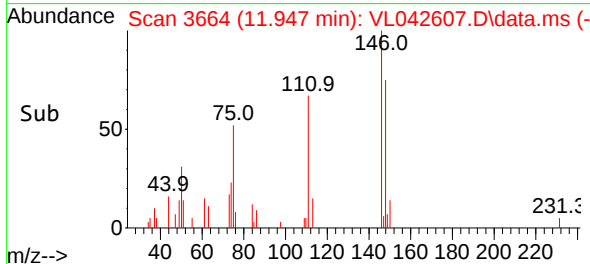
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



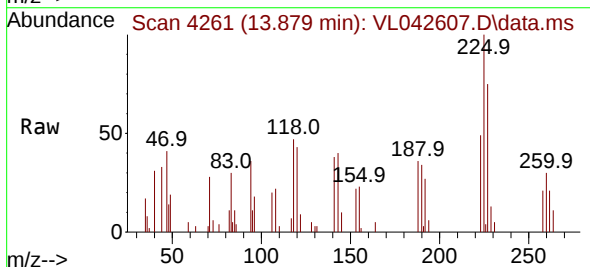
Tgt Ion:146 Resp: 252
Ion Ratio Lower Upper
146 100
111 45.0 23.1 69.3
148 63.3 32.1 96.3

Manual Integrations
APPROVED

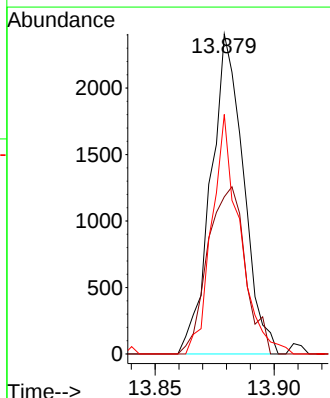
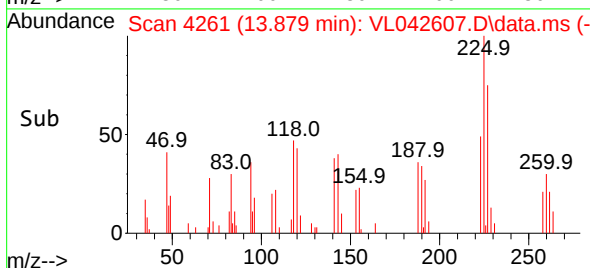
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

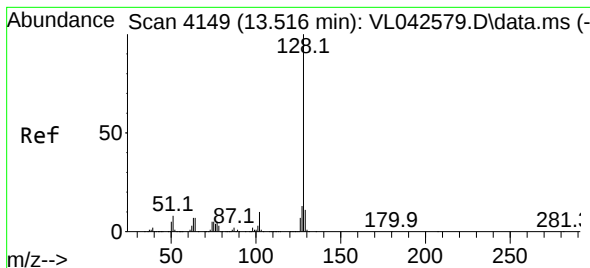


#78
Hexachloro-1,3-Butadiene
Concen: 0.122 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.006 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



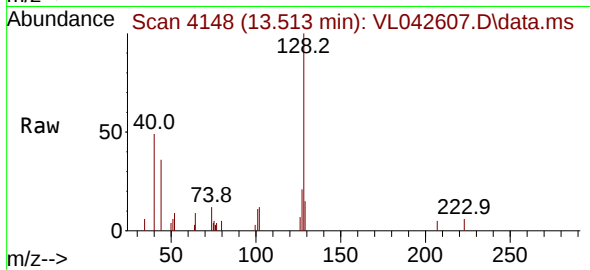
Tgt Ion:225 Resp: 2290
Ion Ratio Lower Upper
225 100
223 60.3 50.2 75.4
227 64.1 51.1 76.7





#79
Naphthalene
Concen: 0.047 ppbv
RT: 13.513 min Scan# 4149
Delta R.T. -0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02

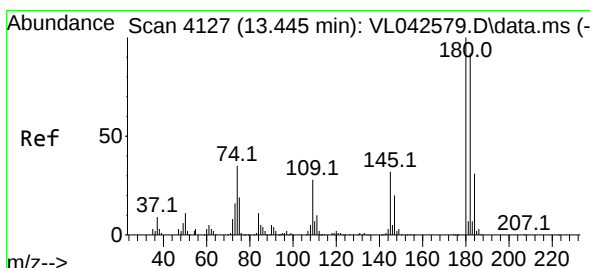
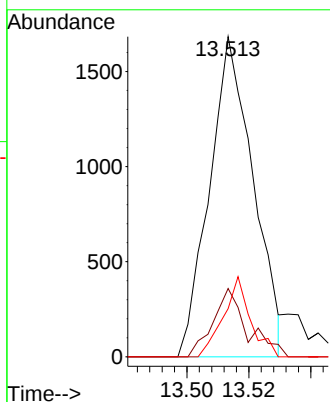
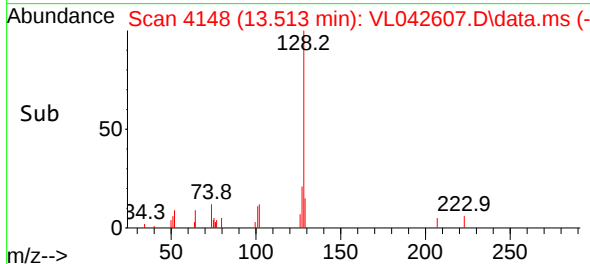
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



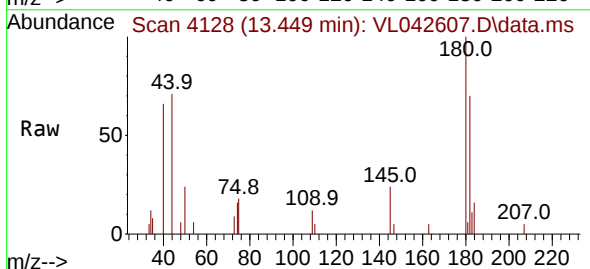
Tgt Ion:128 Resp: 1649
Ion Ratio Lower Upper
128 100
127 21.3 10.2 15.4
129 15.0 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#81
1,2,4-Trichlorobenzene
Concen: 0.053 ppbv m
RT: 13.449 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VL042607.D
Acq: 03 Jun 2025 13:02



Tgt Ion:180 Resp: 1037
Ion Ratio Lower Upper
180 100
182 0.0 75.0 112.4#
184 26.1 24.6 36.8

