

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070325\
 Data File : VL042704.D
 Acq On : 03 Jul 2025 12:43
 Operator : SY/MD
 Sample : Q2126-14 0.1 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 04 03:55:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	114186	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	261496	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	227621	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 172840 9.872 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	1591	0.133	ppbv	89
3) Chlorodifluoromethane	1.479	51	2092	0.117	ppbv #	92
4) Chloromethane	1.538	50	732	0.156	ppbv	90
5) Vinyl Chloride	1.583	62	533	0.113	ppbv	97
6) Bromomethane	1.667	94	277	0.132	ppbv	82
7) Chloroethane	1.709	64	196	0.108	ppbv #	88
8) Dichlorotetrafluoroethane	1.557	85	1337	0.135	ppbv #	81
9) Propene	1.486	41	904m	0.135	ppbv	
10) Heptane	4.985	43	1666m	0.092	ppbv	
11) Trichlorofluoromethane	1.881	101	1597	0.127	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	1173	0.118	ppbv	96
13) Ethanol	1.725	45	215m	0.333	ppbv	
14) Bromoethene	1.784	108	443	0.127	ppbv #	92
15) Acetone	1.842	43	2472	0.218	ppbv	91
16) 1,3-Butadiene	1.612	39	830	0.159	ppbv	89
17) tert-Butyl alcohol	2.049	59	1580	0.143	ppbv #	91
18) 1,1-Dichloroethene	2.039	96	530	0.120	ppbv #	64
19) Isopropyl Alcohol	1.891	45	1236	0.190	ppbv #	98
20) Methylene Chloride	2.065	84	1417	0.327	ppbv #	85
21) Allyl Chloride	2.101	41	1226	0.155	ppbv #	77
22) trans-1,2-Dichloroethene	2.353	96	612m	0.127	ppbv	
23) Vinyl Acetate	2.467	43	2544	0.139	ppbv #	69
24) 1,1-Dichloroethane	2.415	63	1167	0.117	ppbv #	87
25) Ethyl Acetate	2.845	43	3172m	0.093	ppbv	
26) Hexane	2.829	57	1079	0.075	ppbv #	1
27) Carbon Disulfide	2.156	76	1350	0.116	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	673m	0.115	ppbv	
29) Chloroform	2.862	83	2470	0.114	ppbv #	70
30) Cyclohexane	3.865	84	705m	0.065	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	1434	0.105	ppbv #	79
32) 1,1,1-Trichloroethane	3.376	97	2300m	0.111	ppbv	
34) 2-Butanone	2.567	43	2827	0.137	ppbv	92
35) Carbon Tetrachloride	3.777	117	2274m	0.126	ppbv	
36) Benzene	3.667	78	2721m	0.103	ppbv	
37) 1,2-Dichloroethane	3.227	62	1859	0.133	ppbv #	79
38) Trichloroethene	4.561	130	1225m	0.108	ppbv	
39) 1,2-Dichloropropane	4.334	63	1473m	0.143	ppbv	
40) 1,4-Dioxane	4.622	88	372m	0.093	ppbv	
41) Tetrahydrofuran	3.072	42	904m	0.086	ppbv	
42) Bromodichloromethane	4.499	83	2510m	0.127	ppbv	
43) Methyl Methacrylate	4.920	69	728m	0.086	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	3425m	0.077	ppbv	
45) t-1,3-Dichloropropene	6.435	75	993m	0.112	ppbv	

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Instrument :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 03:55:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	1263m	0.103	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	1332m	0.132	ppbv	
48) Dibromochloromethane	7.406	129	1813m	0.117	ppbv	
49) Bromoform	9.493	173	1297m	0.097	ppbv	
50) 4-Methyl-2-Pentanone	5.784	43	2021m	0.083	ppbv	
51) 2-Hexanone	7.454	43	1276m	0.072	ppbv	
52) Tetrachloroethene	8.247	164	931m	0.106	ppbv	
53) Toluene	6.953	91	1976	0.080	ppbv	97
54) 1,2-Dibromoethane	7.661	107	1370m	0.097	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	1579m	0.128	ppbv	
57) Chlorobenzene	8.930	112	2616	0.115	ppbv #	84
58) Ethyl Benzene	9.364	91	2318m	0.070	ppbv	
59) m/p-Xylene	9.545	91	2837m	0.103	ppbv	
60) o-Xylene	9.979	91	1575m	0.058	ppbv	
61) Styrene	9.882	104	580	0.054	ppbv #	58
62) Isopropylbenzene	10.549	105	2849	0.070	ppbv	93
63) 1,1,2,2-Tetrachloroethane	9.979	83	2242	0.107	ppbv	90
64) n-propylbenzene	11.002	120	589m	0.056	ppbv	
65) tert-Butylbenzene	11.536	119	1964m	0.056	ppbv	
66) Benzyl Chloride	11.620	91	177m	0.052	ppbv	
67) sec-Butylbenzene	11.778	105	2910m	0.054	ppbv	
69) p-Isopropyltoluene	11.934	119	1859m	0.044	ppbv	
70) n-Butylbenzene	12.293	91	1737	0.040	ppbv	92
71) 2-Chlorotoluene	10.914	91	2189	0.072	ppbv	96
72) 4-Ethyltoluene	11.134	105	1638	0.049	ppbv #	89
73) 1,3,5-Trimethylbenzene	11.215	105	1270	0.046	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	1418	0.045	ppbv #	77
75) 1,3-Dichlorobenzene	11.613	146	1538m	0.069	ppbv	
76) 1,4-Dichlorobenzene	11.681	146	1265	0.060	ppbv	84
77) 1,2-Dichlorobenzene	11.953	146	1590	0.070	ppbv	93
78) Hexachloro-1,3-Butadiene	13.889	225	2127	0.121	ppbv	96
79) Naphthalene	13.520	128	859	0.032	ppbv #	87
81) 1,2,4-Trichlorobenzene	13.449	180	517	0.033	ppbv #	67

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

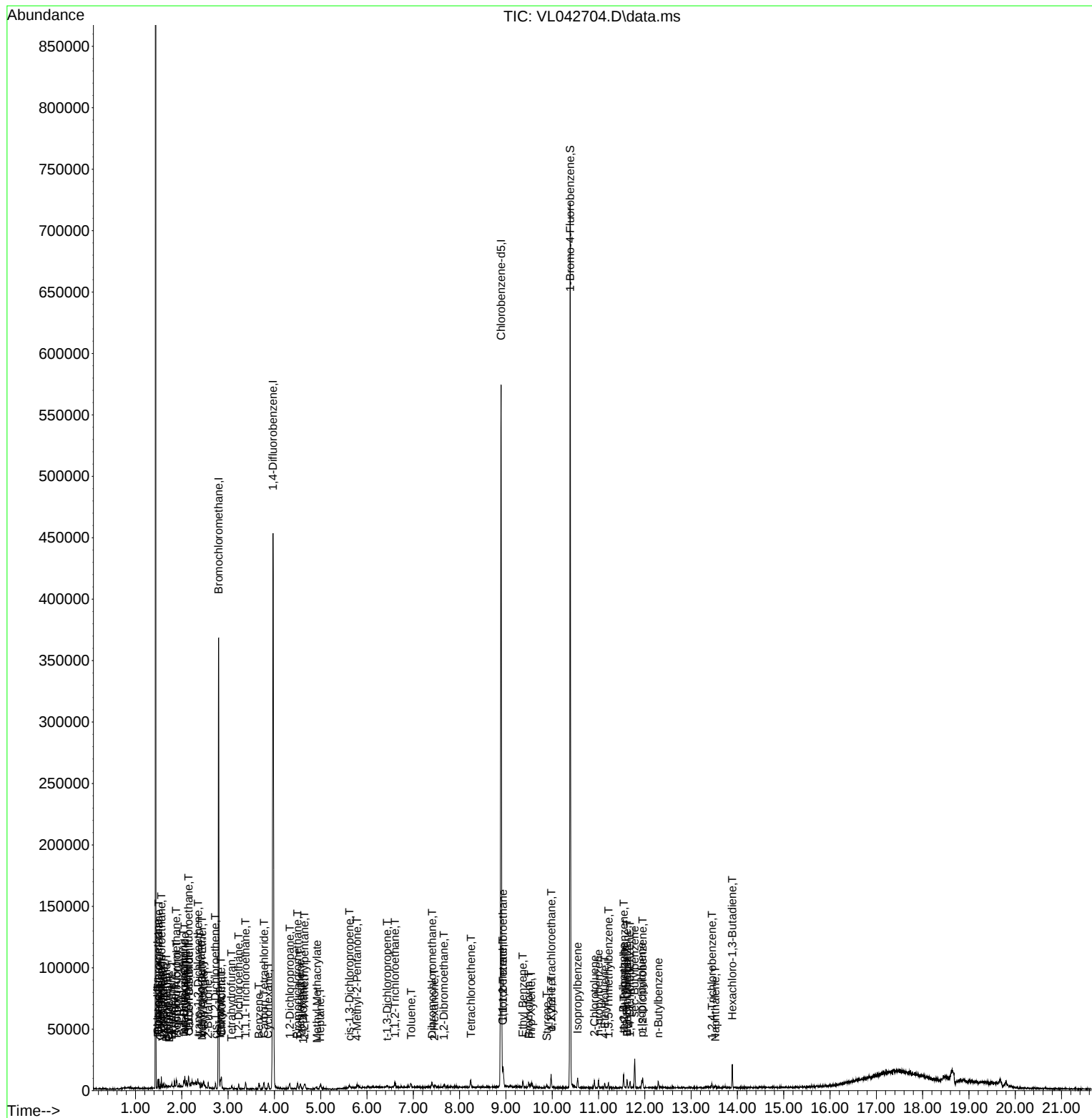
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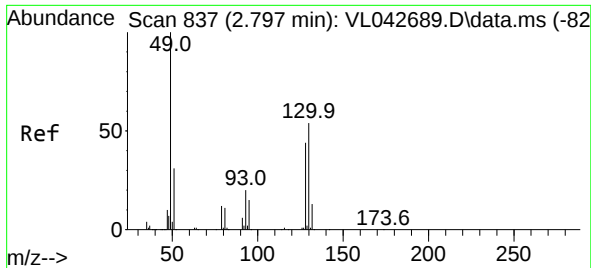
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

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Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 03 01:50:16 2025
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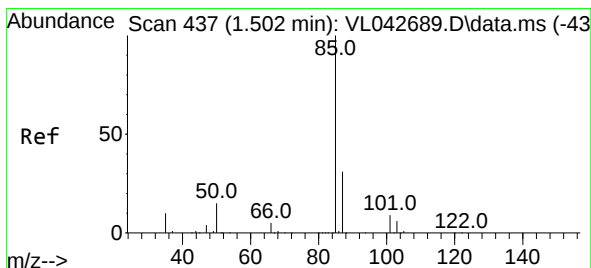
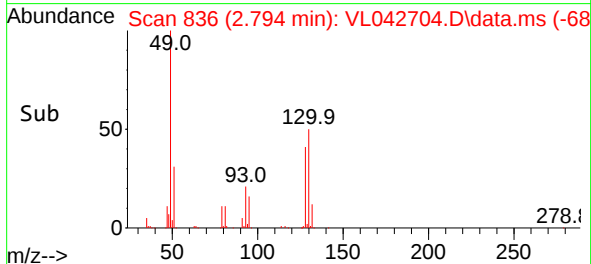
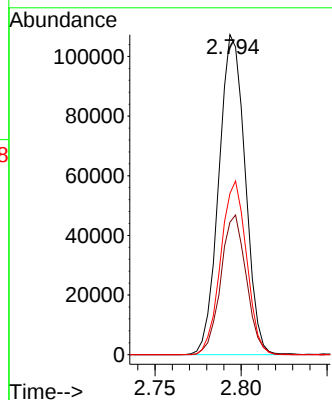
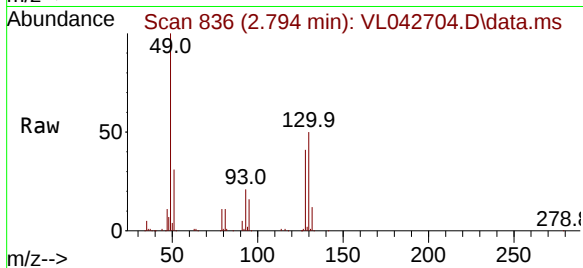
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

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

Tgt Ion: 49 Resp: 114180
Ion Ratio Lower Upper
49 100
128 42.4 21.4 64.2
130 53.2 28.0 84.0

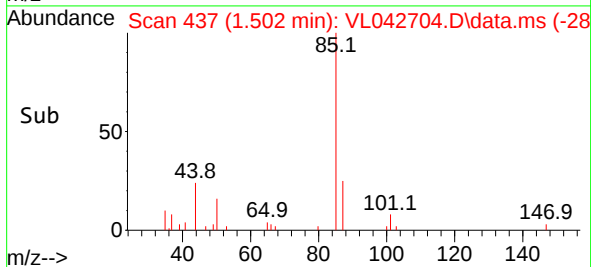
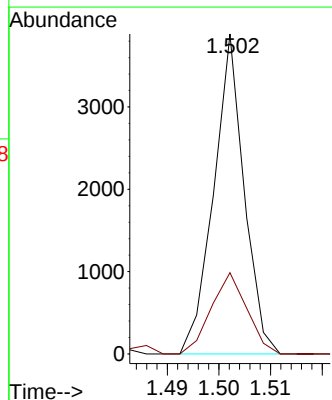
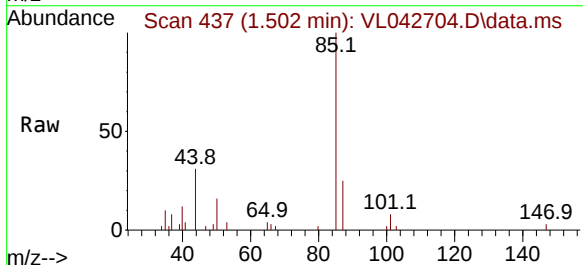
Manual Integrations
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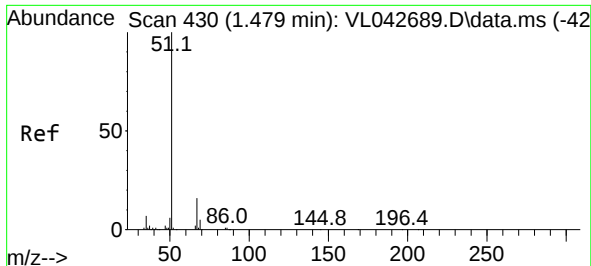
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#2
Dichlorodifluoromethane
Concen: 0.133 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

Tgt Ion: 85 Resp: 1591
Ion Ratio Lower Upper
85 100
87 25.4 25.1 37.7





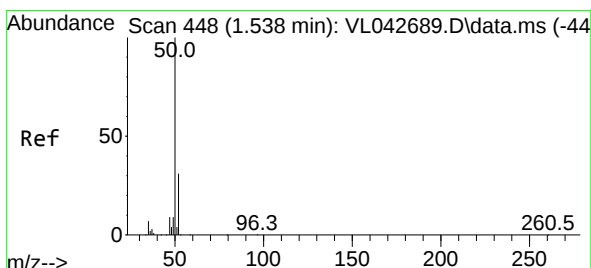
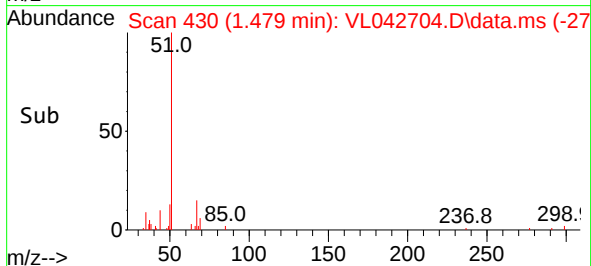
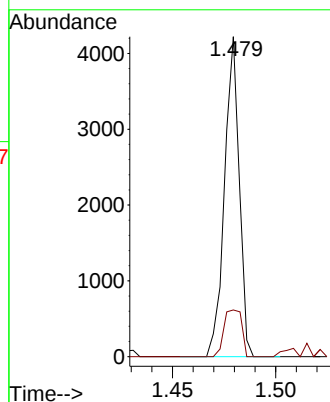
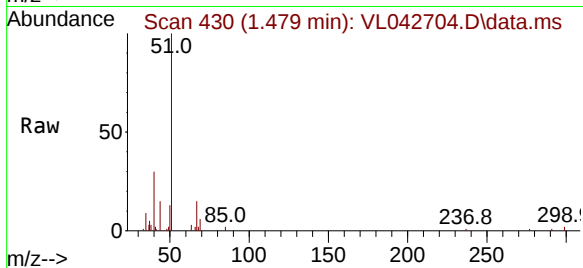
#3
Chlorodifluoromethane
Concen: 0.117 ppbv
RT: 1.479 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

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

Tgt Ion: 51 Resp: 2092
Ion Ratio Lower Upper
51 100
67 20.0 13.1 19.7

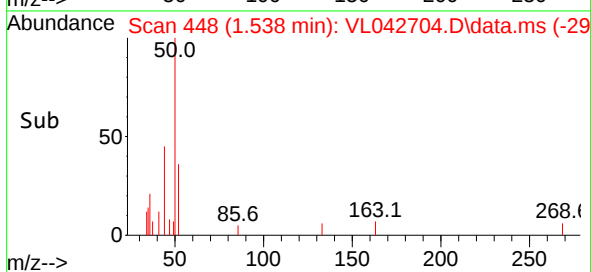
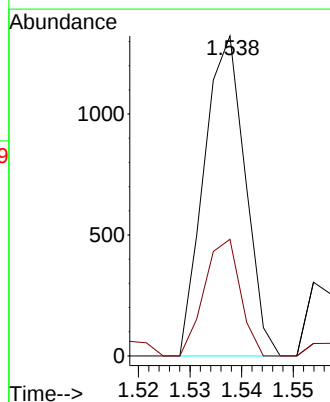
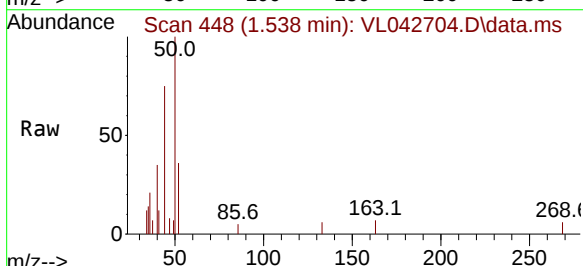
Manual Integrations
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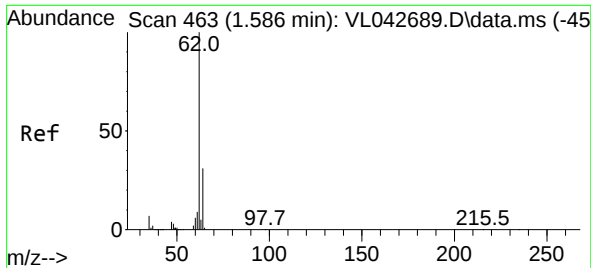
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#4
Chloromethane
Concen: 0.156 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

Tgt Ion: 50 Resp: 732
Ion Ratio Lower Upper
50 100
52 36.4 24.8 37.2





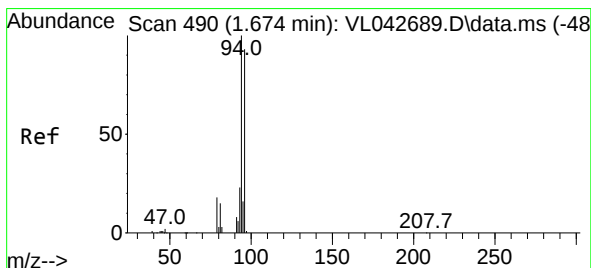
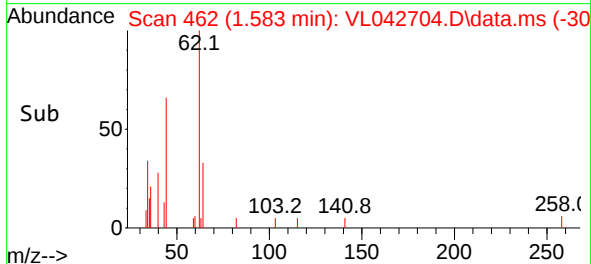
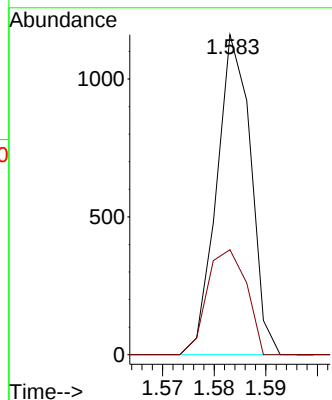
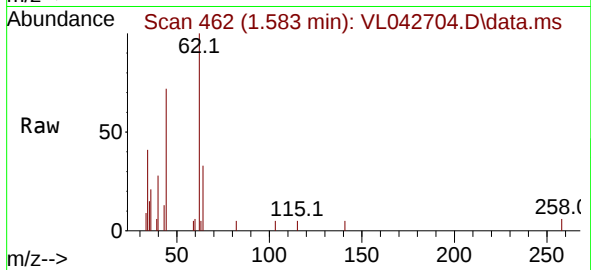
#5
 Vinyl Chloride
 Concen: 0.113 ppbv
 RT: 1.583 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

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

Tgt Ion: 62 Resp: 53
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.1 37.7

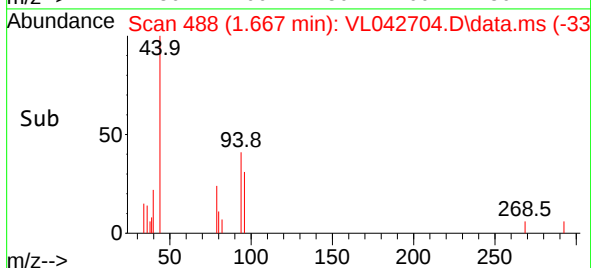
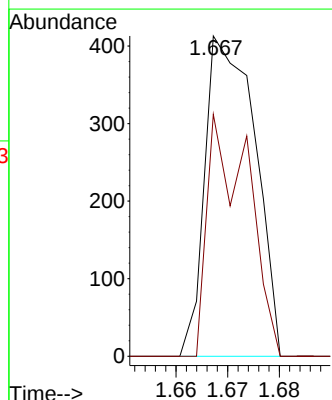
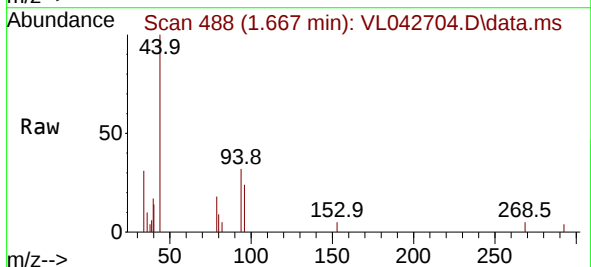
Manual Integrations
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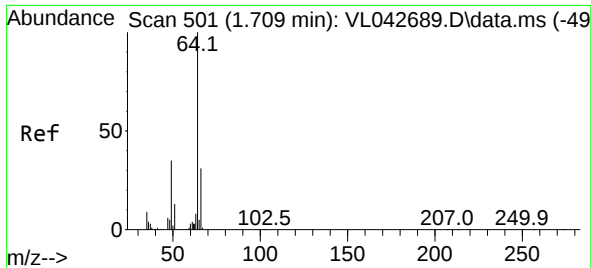
Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025



#6
 Bromomethane
 Concen: 0.132 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.006 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

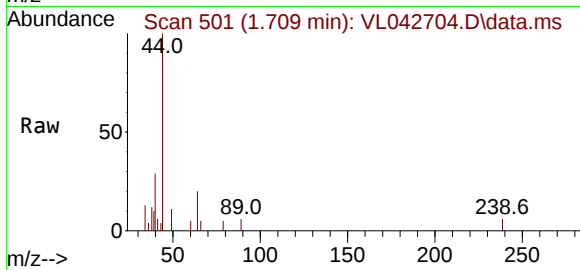
Tgt Ion: 94 Resp: 277
 Ion Ratio Lower Upper
 94 100
 96 75.5 74.6 112.0





#7
Chloroethane
Concen: 0.108 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

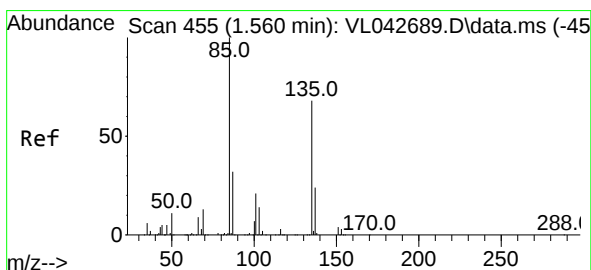
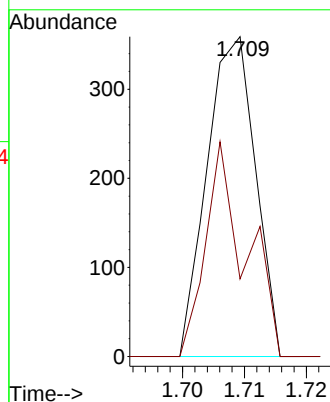
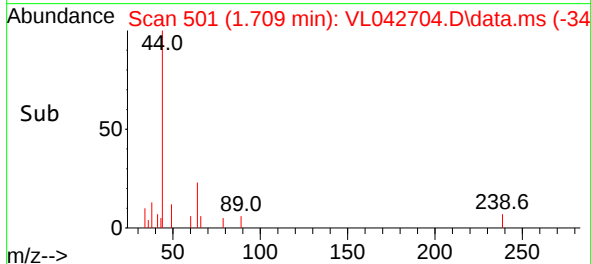
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



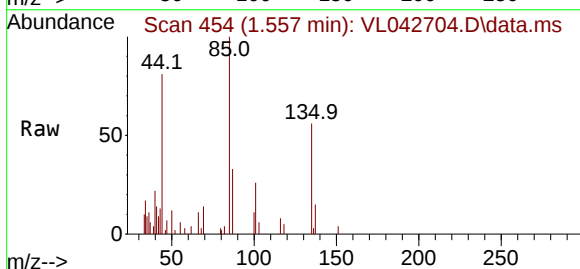
Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 24.2 24.7 37.1

Manual Integrations
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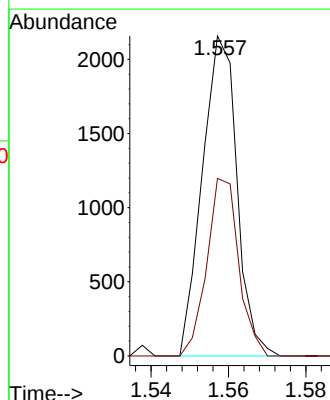
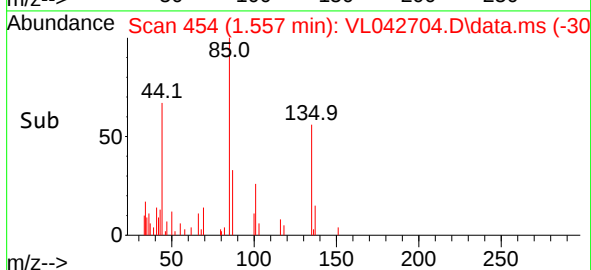
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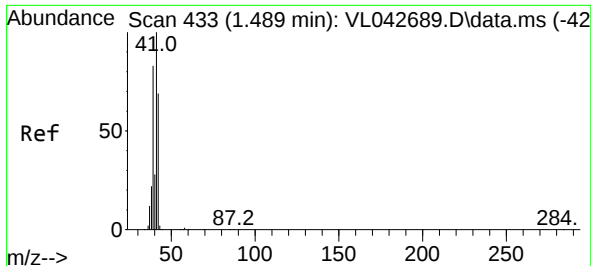


#8
Dichlorotetrafluoroethane
Concen: 0.135 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



Tgt Ion: 85 Resp: 1337
Ion Ratio Lower Upper
85 100
135 51.1 52.6 79.0





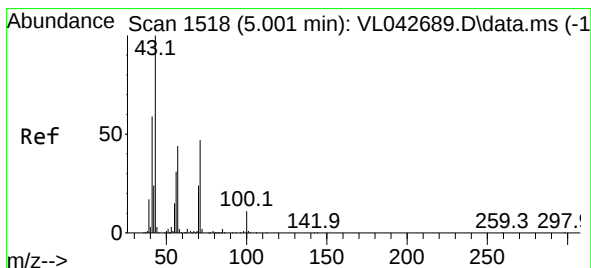
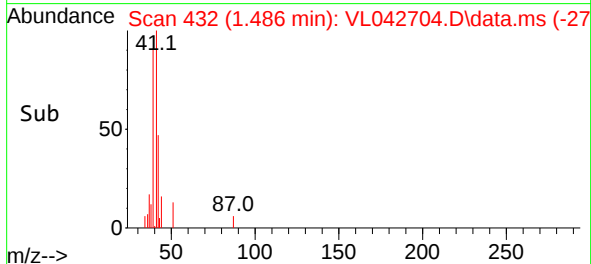
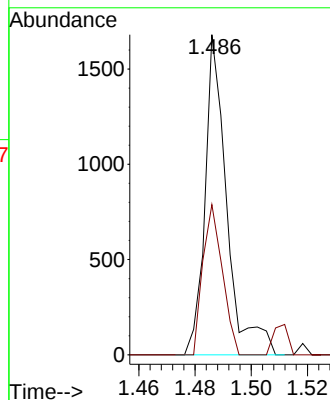
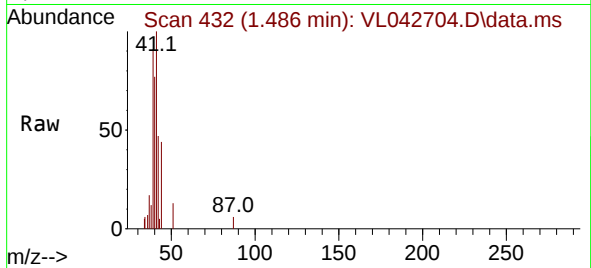
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 Propene
 Concen: 0.135 ppbv m
 RT: 1.486 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

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

Tgt Ion: 41 Resp: 904
 Ion Ratio Lower Upper
 41 100
 42 25.2 55.6 83.4

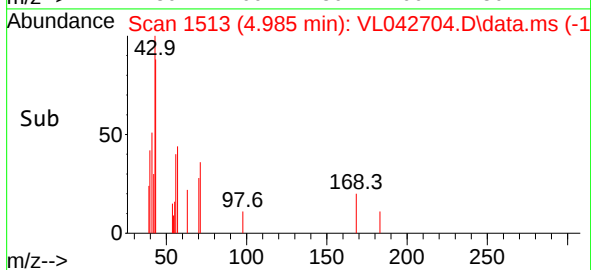
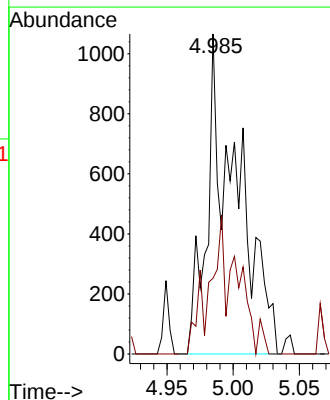
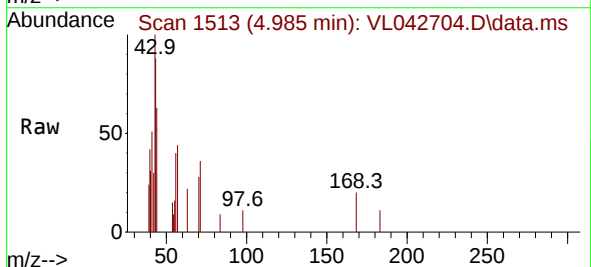
Manual Integrations
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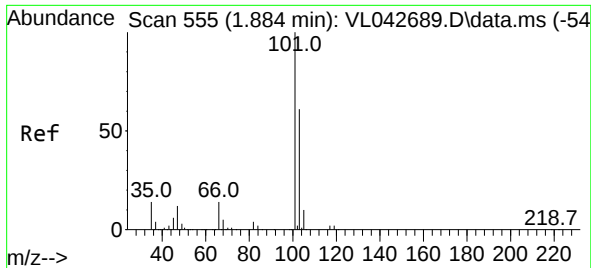
Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025



#10
 Heptane
 Concen: 0.092 ppbv m
 RT: 4.985 min Scan# 1513
 Delta R.T. -0.016 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

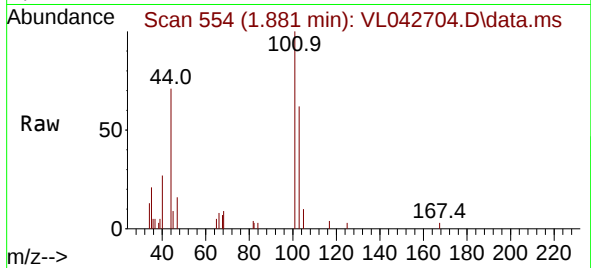
Tgt Ion: 43 Resp: 1666
 Ion Ratio Lower Upper
 43 100
 57 0.0 37.4 56.0





#11
Trichlorofluoromethane
Concen: 0.127 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

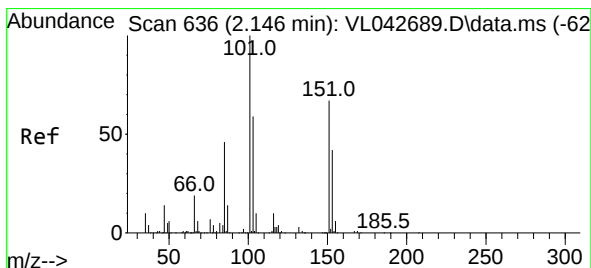
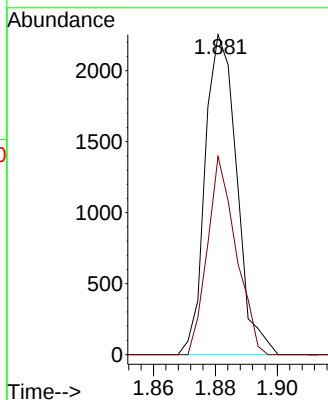
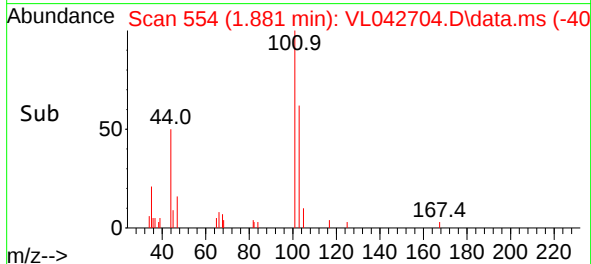
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



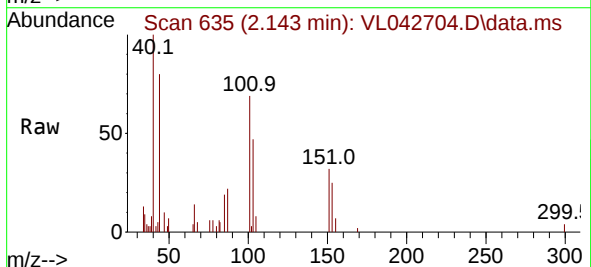
Tgt Ion:101 Resp: 159
Ion Ratio Lower Upper
101 100
103 62.0 48.9 73.3

Manual Integrations
APPROVED

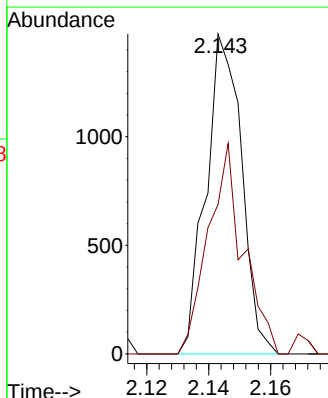
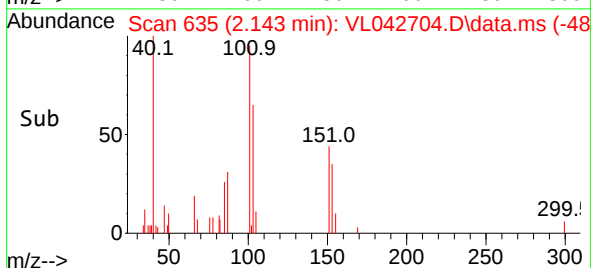
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

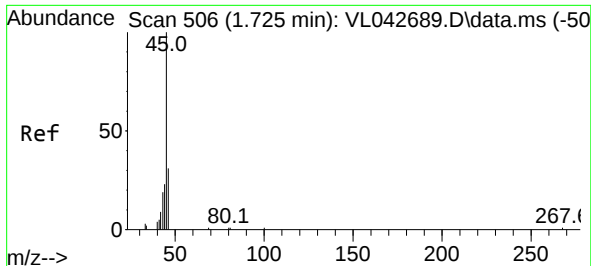


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.118 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



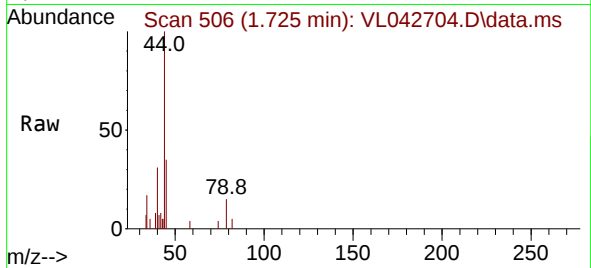
Tgt Ion:101 Resp: 1173
Ion Ratio Lower Upper
101 100
151 67.3 56.6 84.8





#13
Ethanol
Concen: 0.333 ppbv m
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

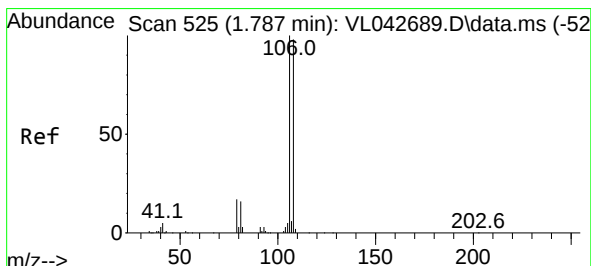
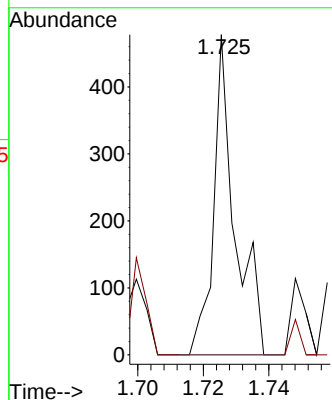
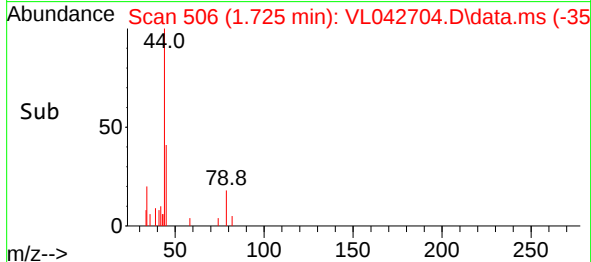
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



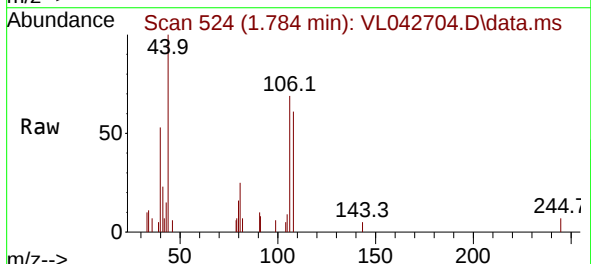
Tgt Ion: 45 Resp: 215
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8

Manual Integrations
APPROVED

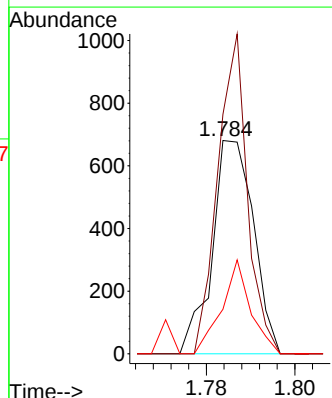
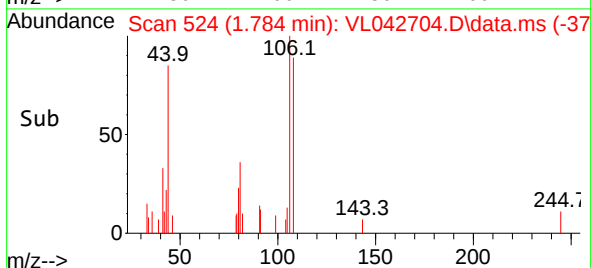
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

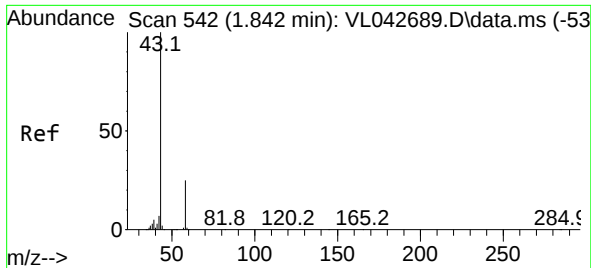


#14
Bromoethene
Concen: 0.127 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



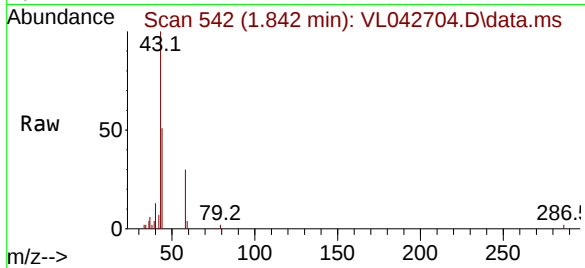
Tgt Ion:108 Resp: 443
Ion Ratio Lower Upper
108 100
106 106.8 85.9 128.9
79 41.5 14.5 21.7





#15
Acetone
Concen: 0.218 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

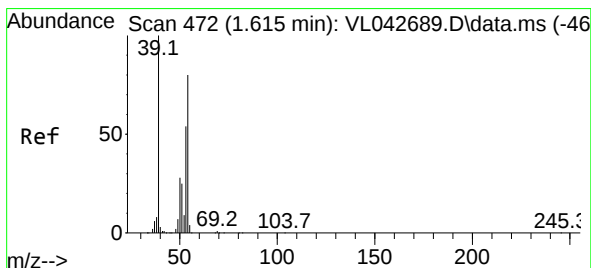
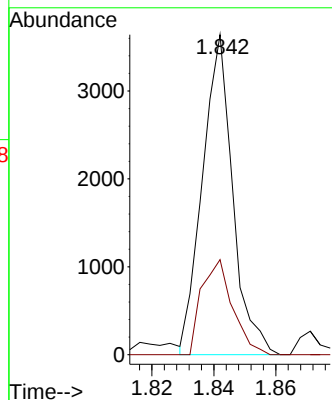
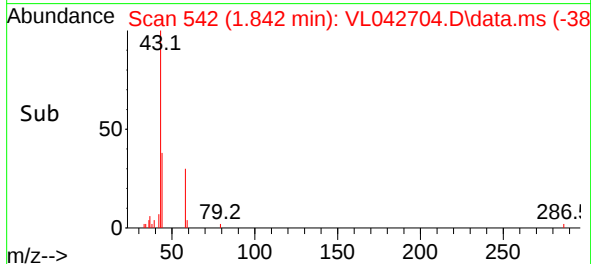
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 2472
Ion Ratio Lower Upper
43 100
58 30.3 20.6 31.0

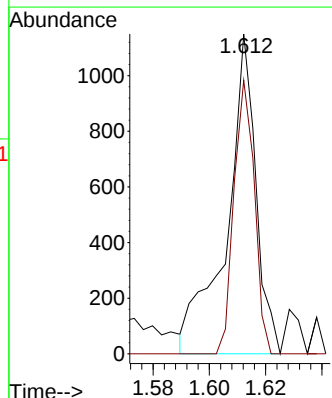
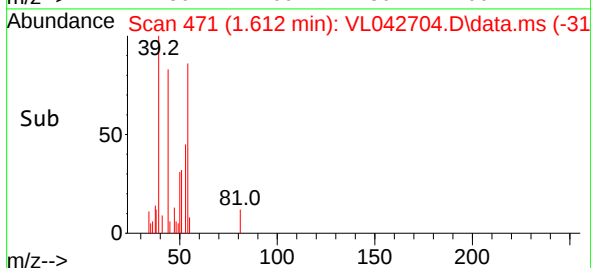
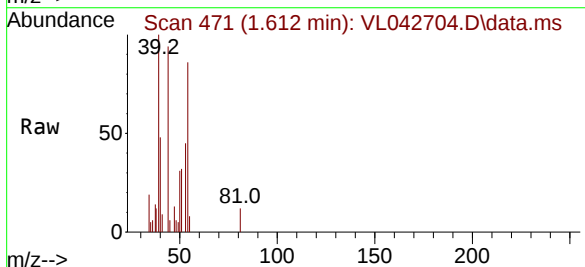
Manual Integrations
APPROVED

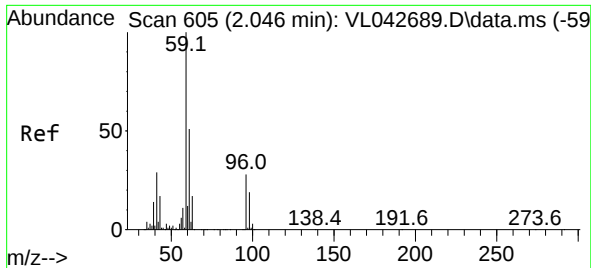
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#16
1,3-Butadiene
Concen: 0.159 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

Tgt Ion: 39 Resp: 830
Ion Ratio Lower Upper
39 100
54 59.6 54.9 82.3





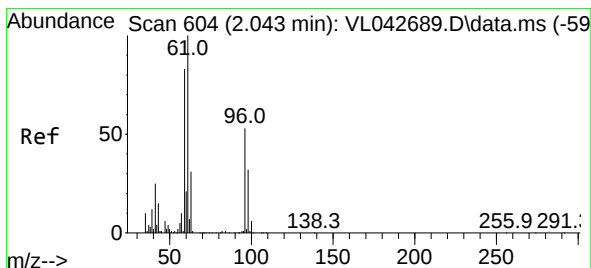
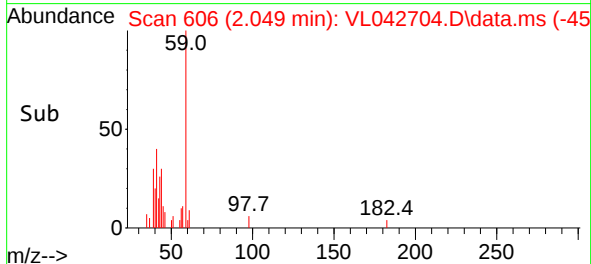
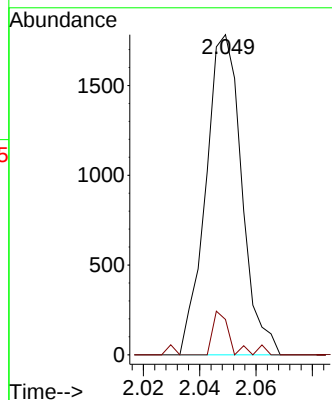
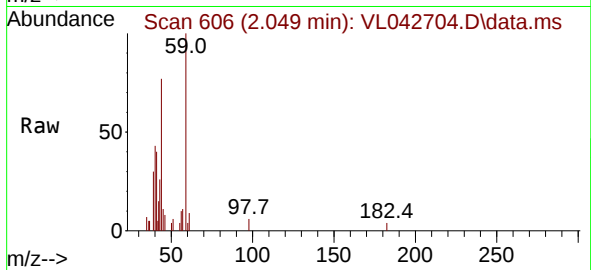
#17
tert-Butyl alcohol
Concen: 0.143 ppbv
RT: 2.049 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

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

Tgt Ion: 59 Resp: 1580
Ion Ratio Lower Upper
59 100
57 7.4 8.8 13.2

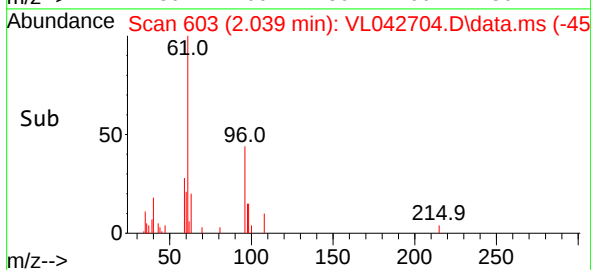
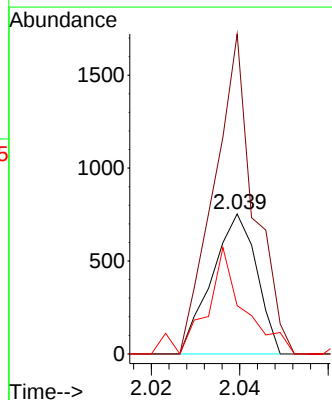
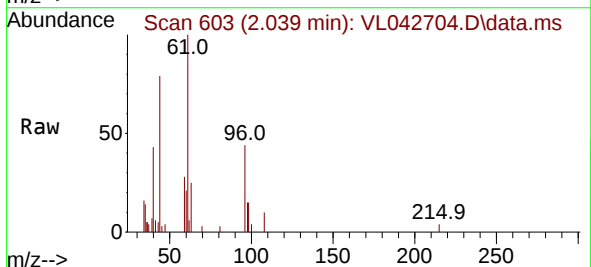
Manual Integrations
APPROVED

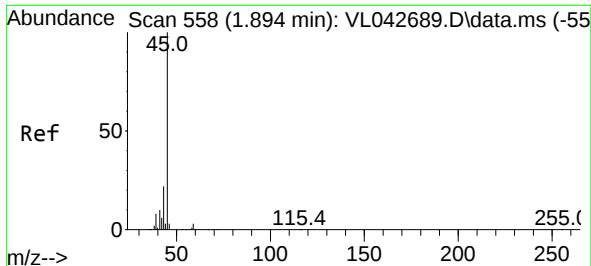
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#18
1,1-Dichloroethene
Concen: 0.120 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

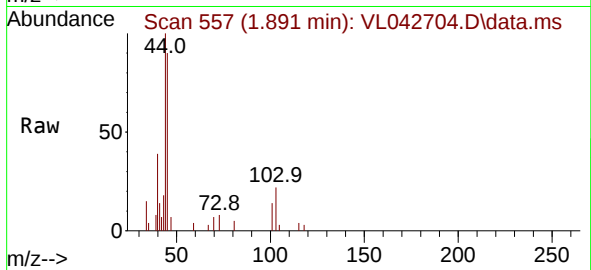
Tgt Ion: 96 Resp: 530
Ion Ratio Lower Upper
96 100
61 241.6 151.0 226.6#
98 34.5 49.0 73.4#





#19
Isopropyl Alcohol
Concen: 0.190 ppbv
RT: 1.891 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

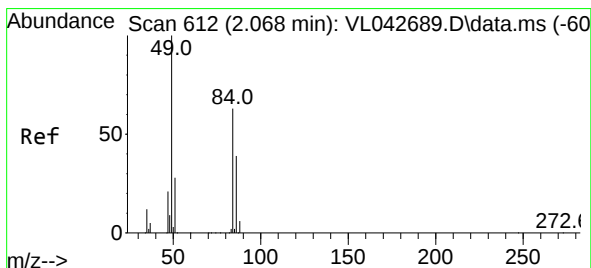
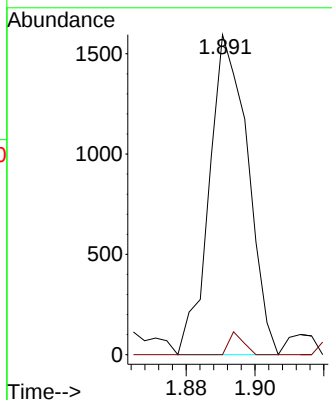
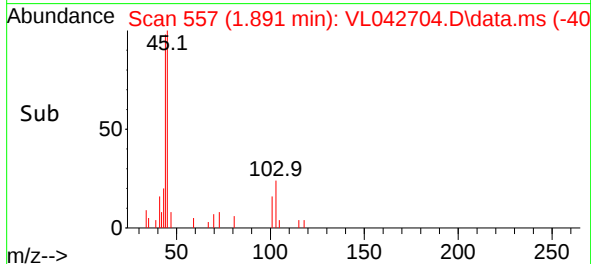
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



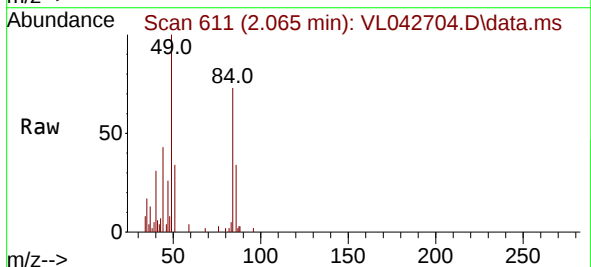
Tgt Ion: 45 Resp: 1230
Ion Ratio Lower Upper
45 100
58 2.7 1.4 2.25

Manual Integrations
APPROVED

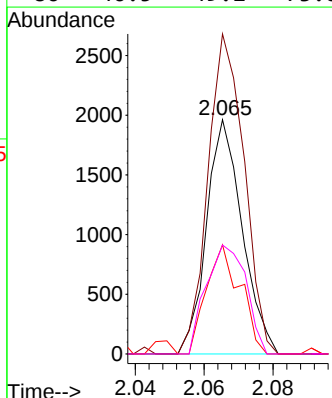
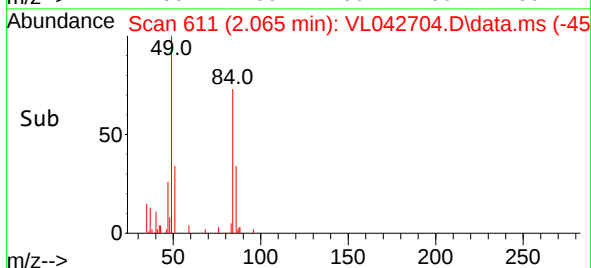
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

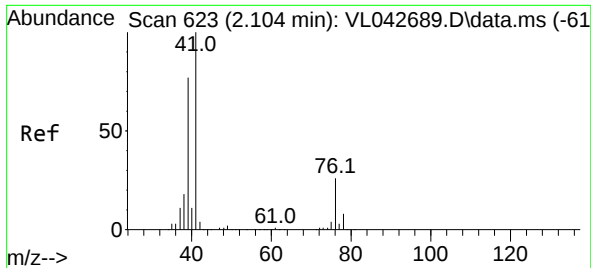


#20
Methylene Chloride
Concen: 0.327 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



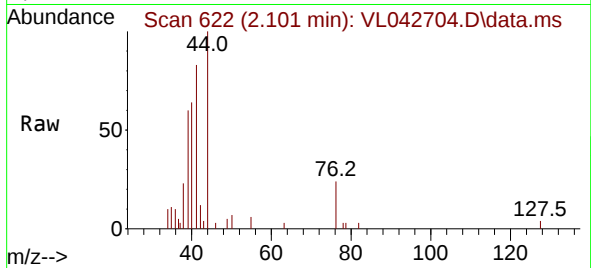
Tgt Ion: 84 Resp: 1417
Ion Ratio Lower Upper
84 100
49 136.6 128.6 193.0
51 46.6 37.4 56.2
86 46.5 49.2 73.8#





#21
 Allyl Chloride
 Concen: 0.155 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

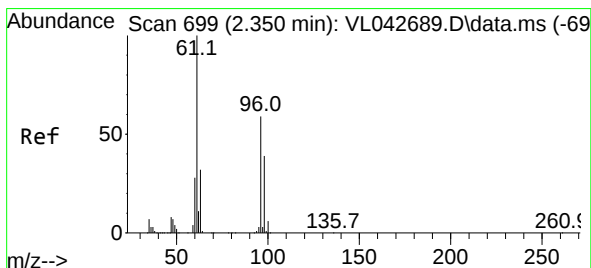
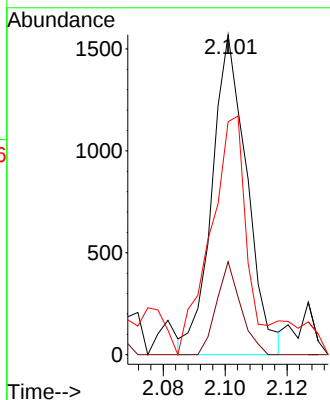
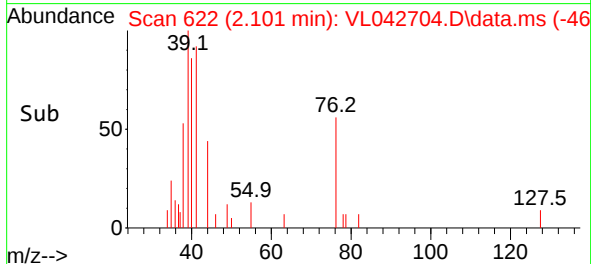
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



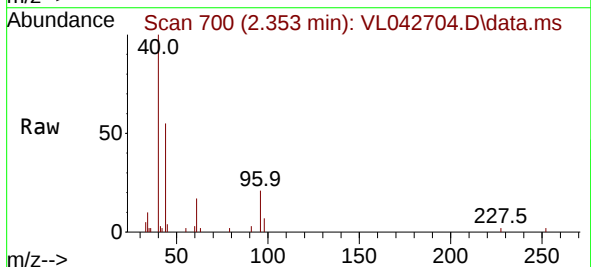
Tgt Ion: 41 Resp: 1220
 Ion Ratio Lower Upper
 41 100
 76 22.3 21.7 32.5
 39 103.9 63.4 95.2

Manual Integrations
 APPROVED

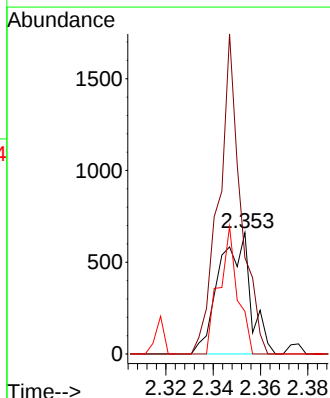
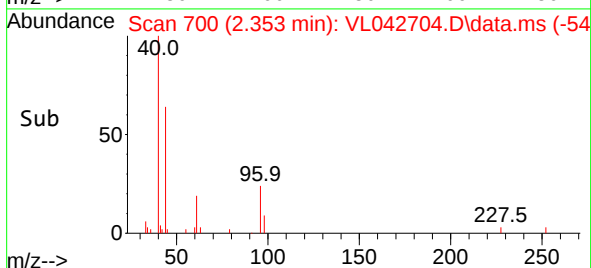
Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025

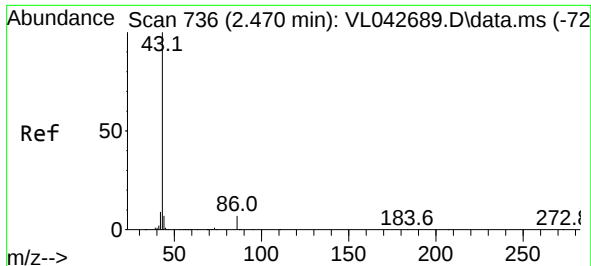


#22
 trans-1,2-Dichloroethene
 Concen: 0.127 ppbv m
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43



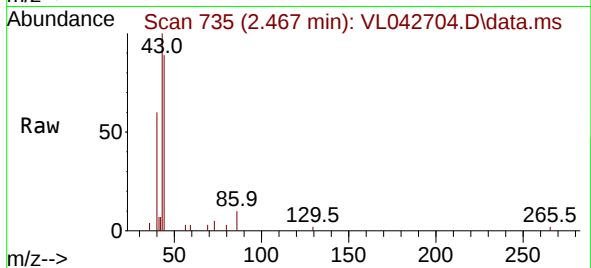
Tgt Ion: 96 Resp: 612
 Ion Ratio Lower Upper
 96 100
 61 79.3 136.5 204.7#
 98 35.1 53.5 80.3#





#23
 Vinyl Acetate
 Concen: 0.139 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

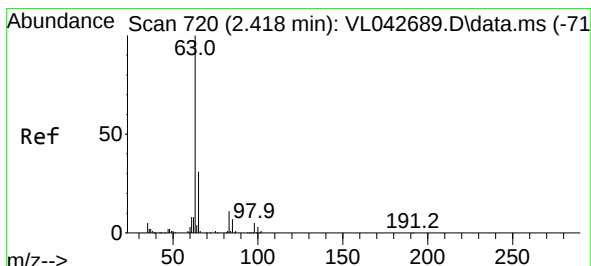
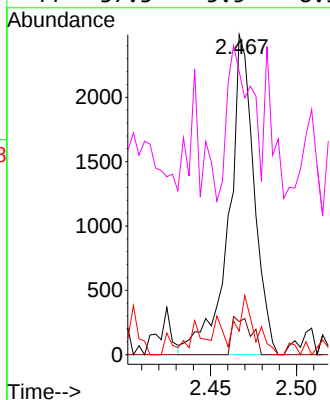
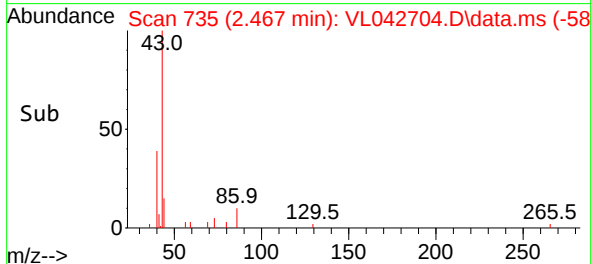
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 2544
 Ion Ratio Lower Upper
 43 100
 86 10.3 5.8 8.6#
 42 7.4 7.2 10.8#
 44 37.3 5.5 8.3#

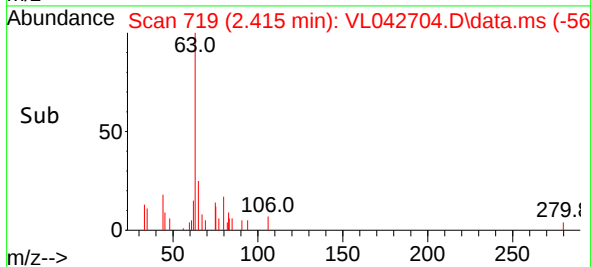
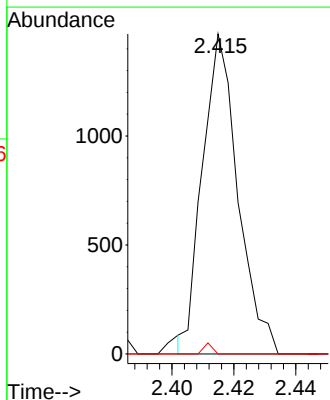
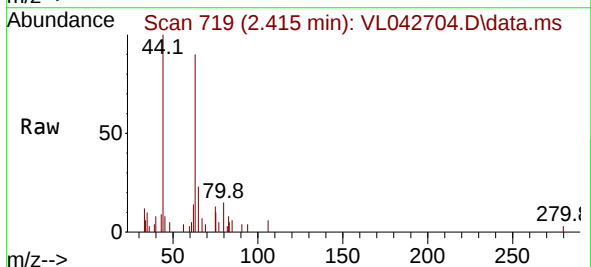
Manual Integrations
 APPROVED

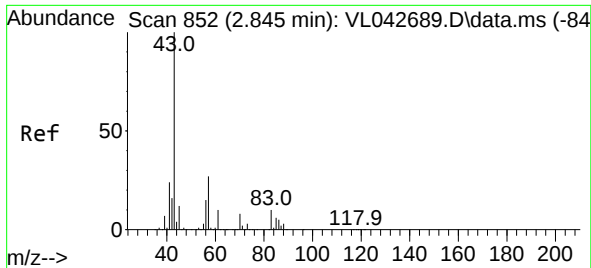
Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025



#24
 1,1-Dichloroethane
 Concen: 0.117 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

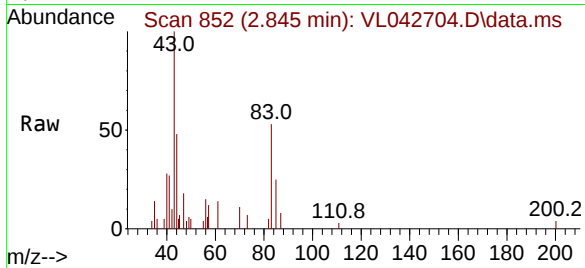
Tgt Ion: 63 Resp: 1167
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.5 7.6#
 100 0.0 1.7 5.0#





#25
Ethyl Acetate
Concen: 0.093 ppbv m
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

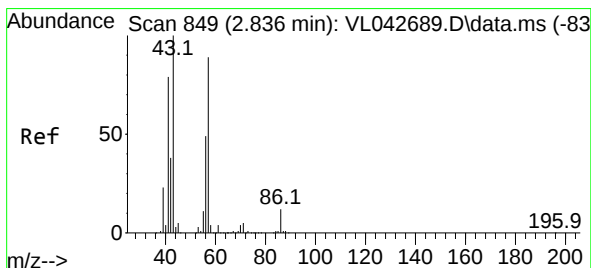
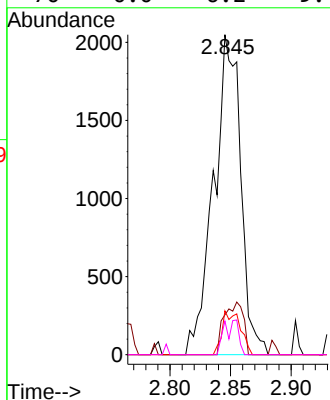
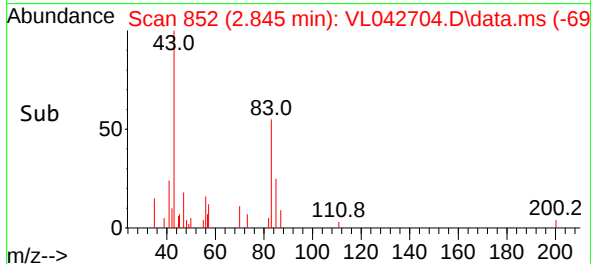
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



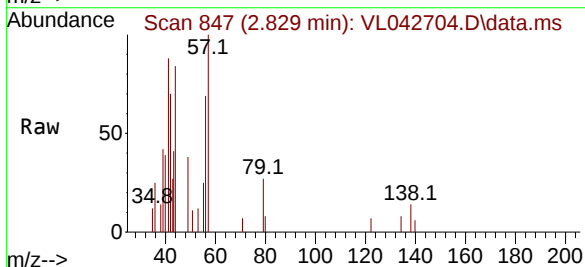
Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
45 0.0 8.1 12.1#
61 9.2 7.0 10.6#
70 0.0 6.2 9.4#

Manual Integrations
APPROVED

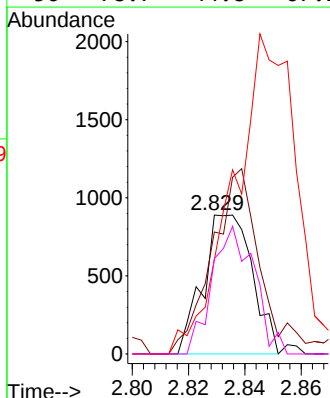
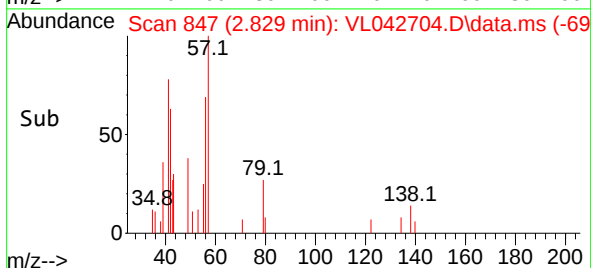
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

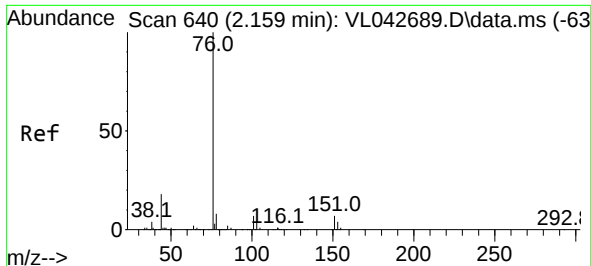


#26
Hexane
Concen: 0.075 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.006 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



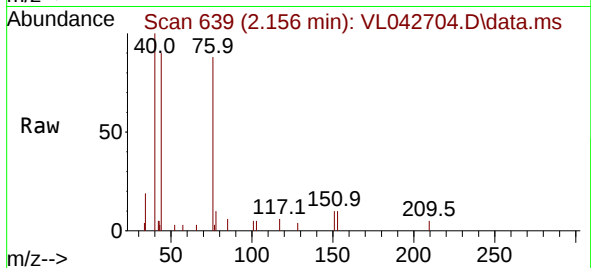
Tgt Ion: 57 Resp: 1079
Ion Ratio Lower Upper
57 100
41 144.3 73.7 110.5#
43 0.0 190.6 285.8#
56 78.7 44.8 67.2#





#27
Carbon Disulfide
Concen: 0.116 ppbv
RT: 2.156 min Scan# 613
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

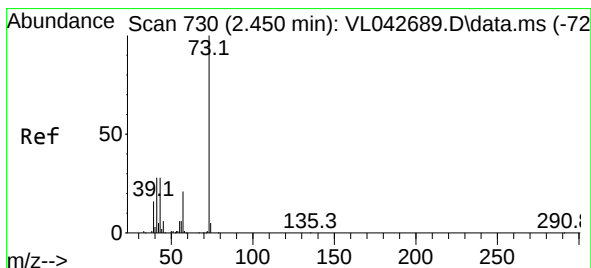
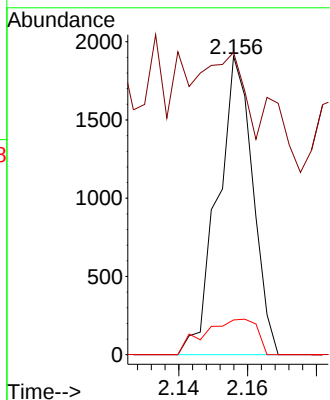
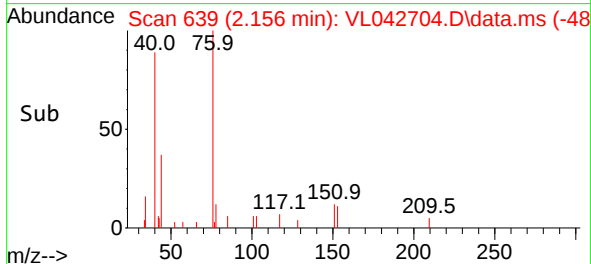
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



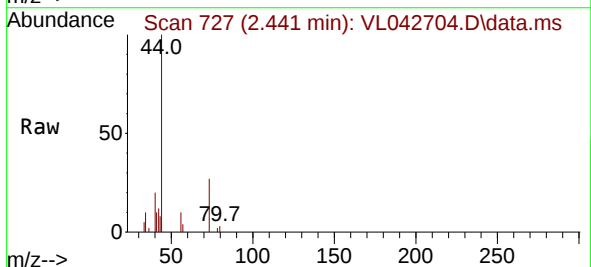
Tgt Ion: 76 Resp: 1350
Ion Ratio Lower Upper
76 100
44 194.4 15.6 23.4
78 17.8 9.2 13.8

Manual Integrations
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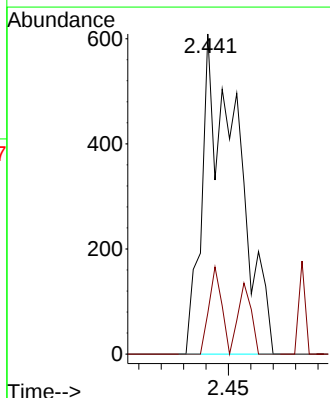
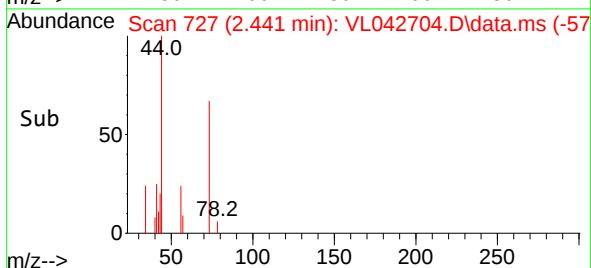
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

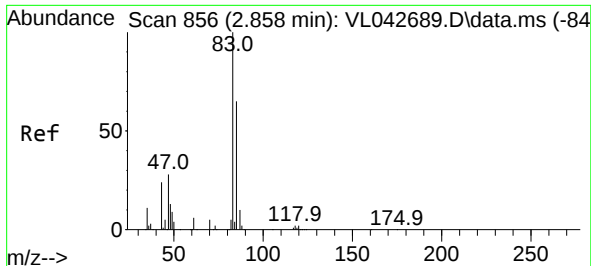


#28
Methyl tert-Butyl Ether
Concen: 0.115 ppbv m
RT: 2.441 min Scan# 727
Delta R.T. -0.010 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



Tgt Ion: 73 Resp: 673
Ion Ratio Lower Upper
73 100
57 17.8 19.3 28.9





#29

Chloroform

Concen: 0.114 ppbv

RT: 2.862 min Scan# 857

Delta R.T. 0.003 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

Tgt Ion: 83 Resp: 2470

Ion Ratio Lower Upper

83 100

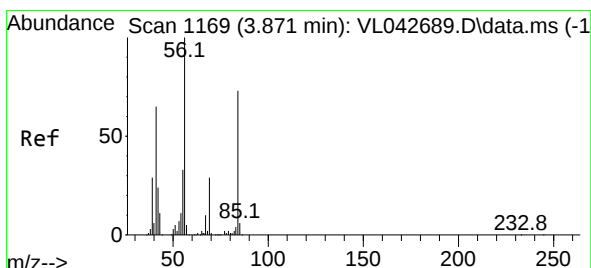
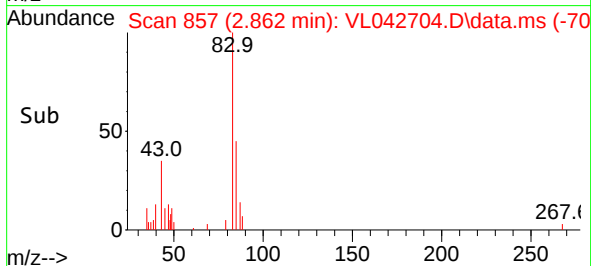
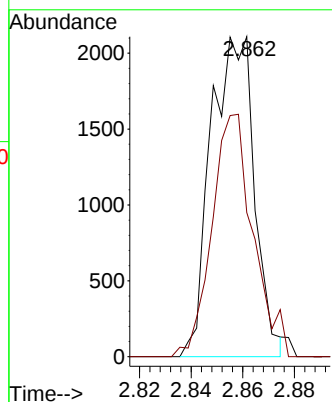
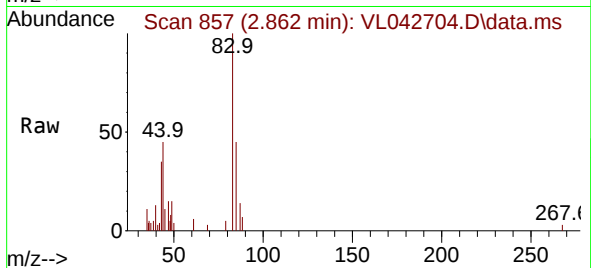
85 42.1 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2025

Supervised By :Mahesh Dadoda 07/07/2025



#30

Cyclohexane

Concen: 0.065 ppbv m

RT: 3.865 min Scan# 1167

Delta R.T. -0.006 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

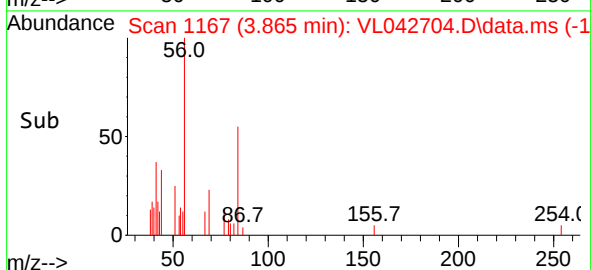
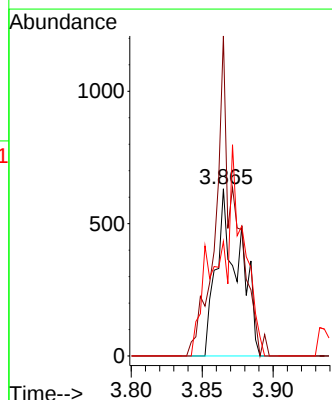
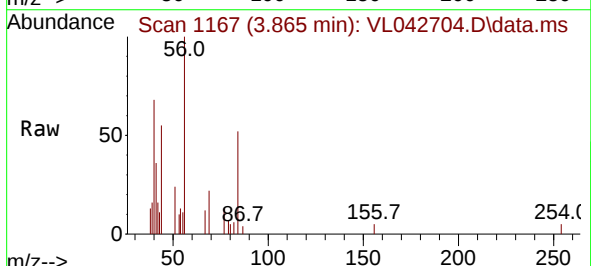
Tgt Ion: 84 Resp: 705

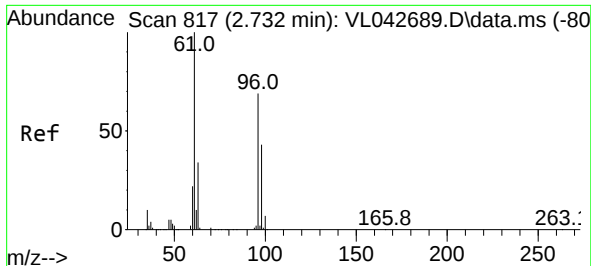
Ion Ratio Lower Upper

84 100

56 163.4 110.4 165.6

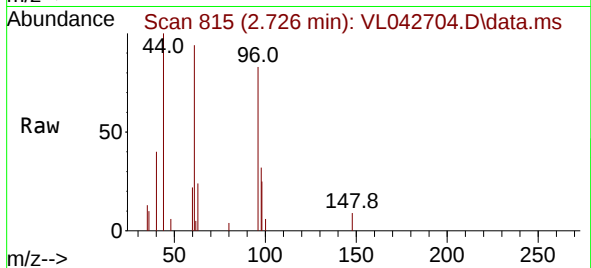
41 139.4 71.4 107.0#





#31
 cis-1,2-Dichloroethene
 Concen: 0.105 ppbv
 RT: 2.726 min Scan# 817
 Delta R.T. -0.006 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

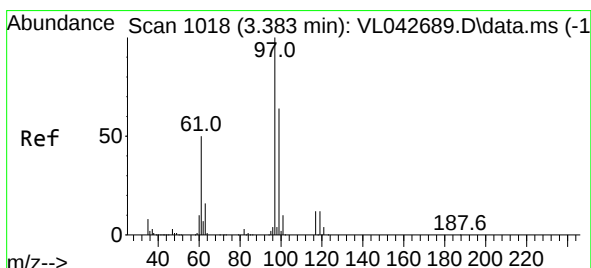
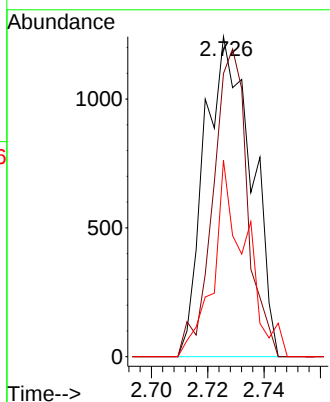
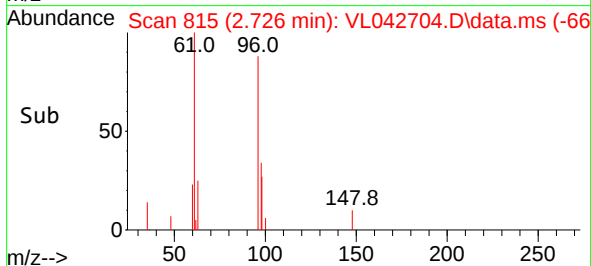
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 61 Resp: 1434
 Ion Ratio Lower Upper
 61 100
 96 84.1 54.8 82.2
 98 58.4 34.7 52.1

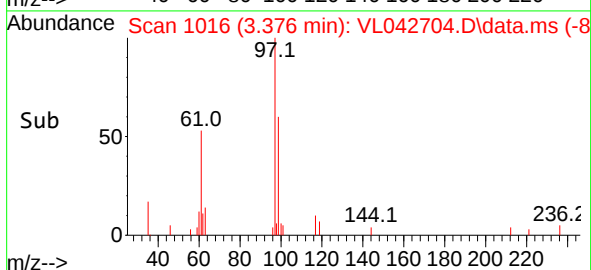
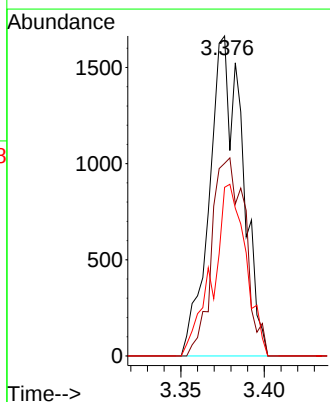
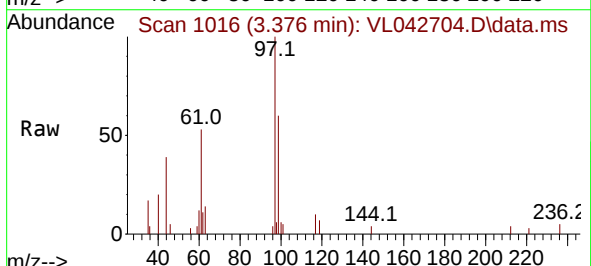
Manual Integrations
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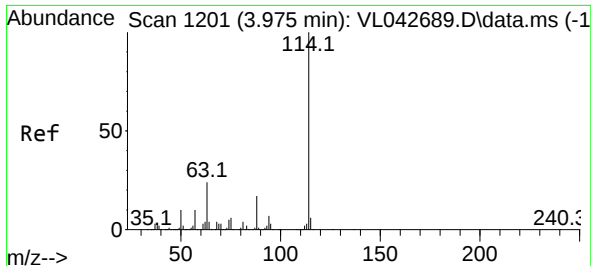
Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.111 ppbv m
 RT: 3.376 min Scan# 1016
 Delta R.T. -0.006 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

Tgt Ion: 97 Resp: 2300
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.4 77.0
 61 53.3 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VL042704.D

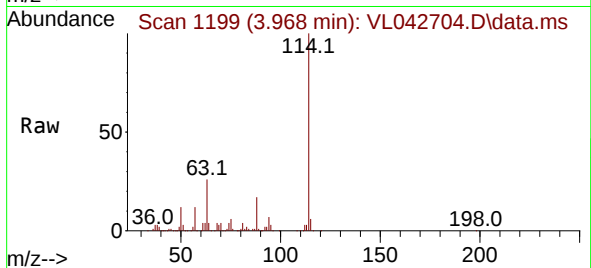
Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025



Tgt Ion:114 Resp: 261490

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

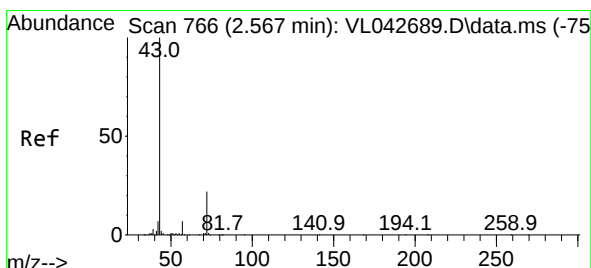
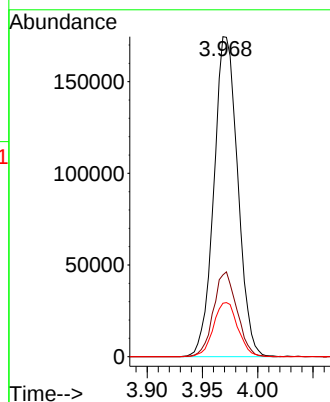
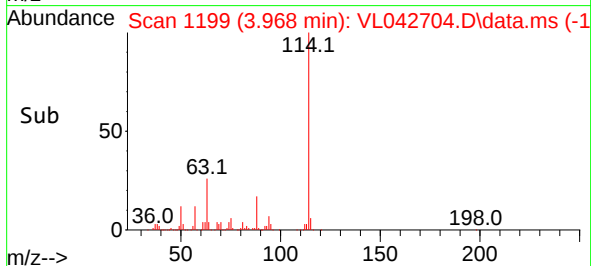
88 17.4 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2025

Supervised By :Mahesh Dadoda 07/07/2025



#34

2-Butanone

Concen: 0.137 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.000 min

Lab File: VL042704.D

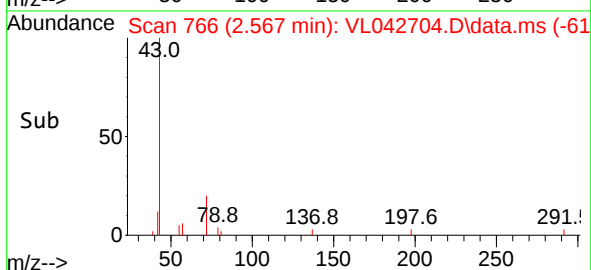
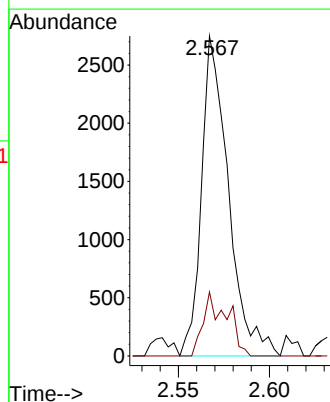
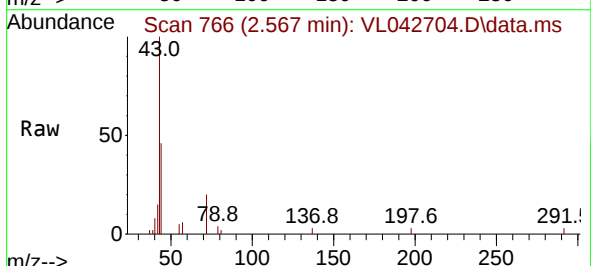
Acq: 03 Jul 2025 12:43

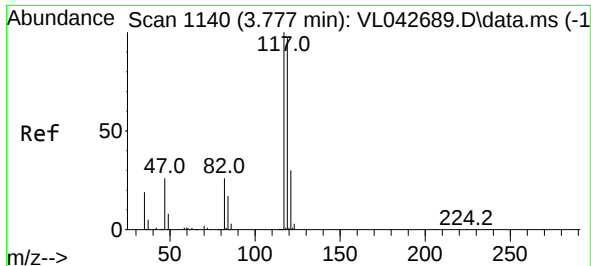
Tgt Ion: 43 Resp: 2827

Ion Ratio Lower Upper

43 100

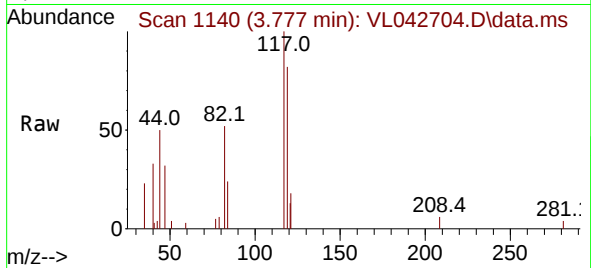
72 17.7 17.1 25.7





#35
Carbon Tetrachloride
Concen: 0.126 ppbv m
RT: 3.777 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

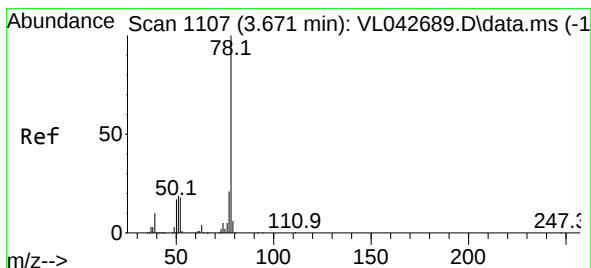
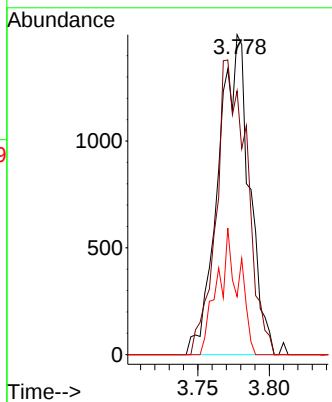
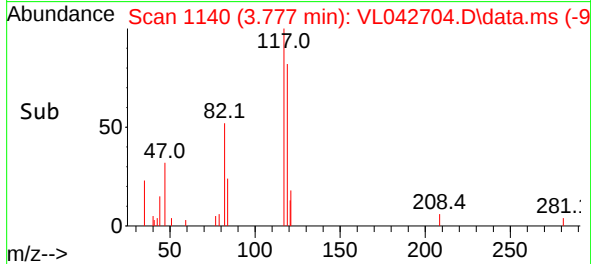
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



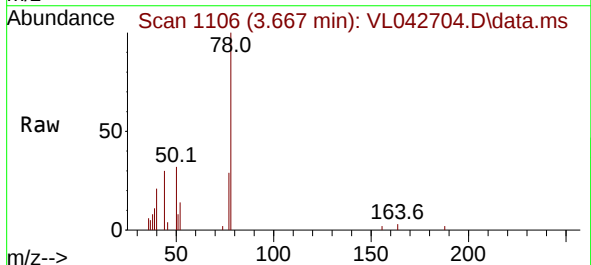
Tgt Ion: 117 Resp: 2274
Ion Ratio Lower Upper
117 100
119 82.4 77.6 116.4
121 18.2 24.0 36.0

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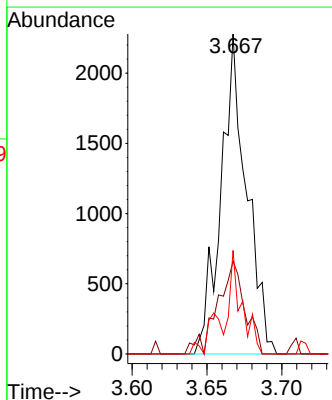
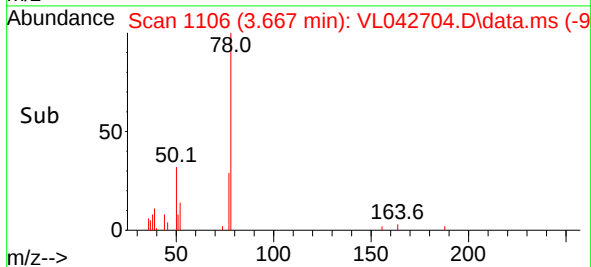
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

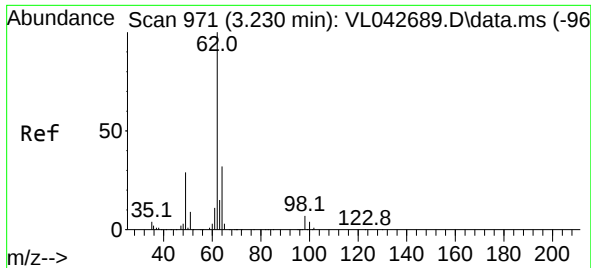


#36
Benzene
Concen: 0.103 ppbv m
RT: 3.667 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



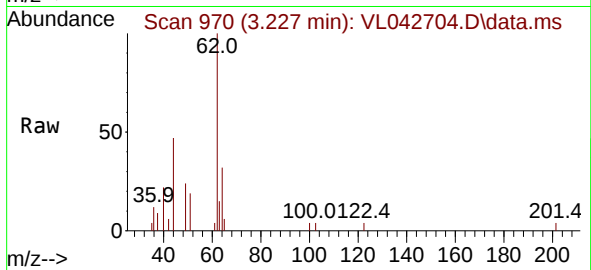
Tgt Ion: 78 Resp: 2721
Ion Ratio Lower Upper
78 100
77 29.0 17.0 25.4#
50 32.4 13.7 20.5#





#37
1,2-Dichloroethane
Concen: 0.133 ppbv
RT: 3.227 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

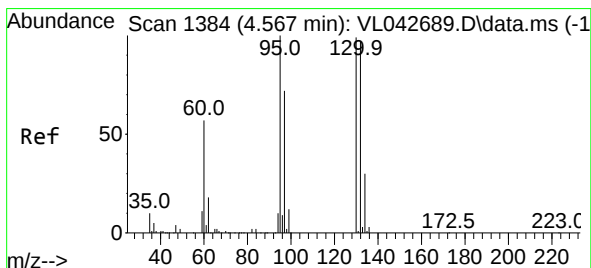
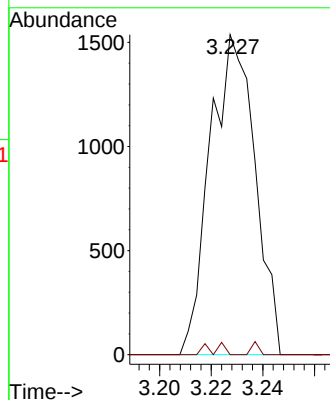
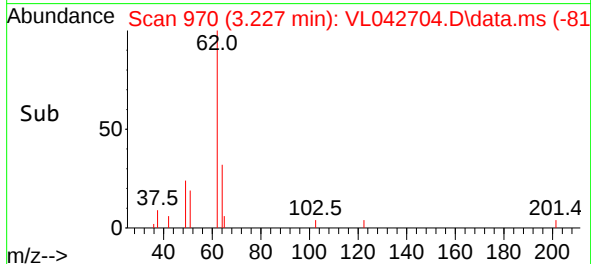
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



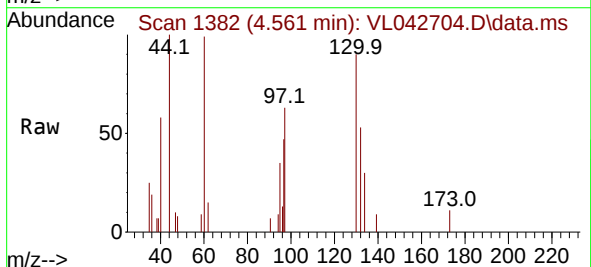
Tgt Ion: 62 Resp: 1859
Ion Ratio Lower Upper
62 100
98 0.0 5.8 8.8

Manual Integrations
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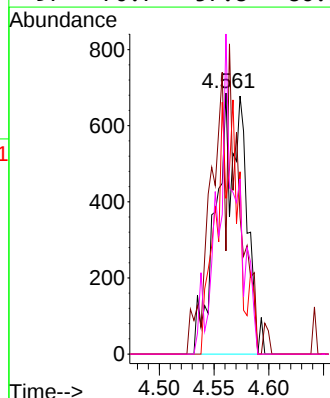
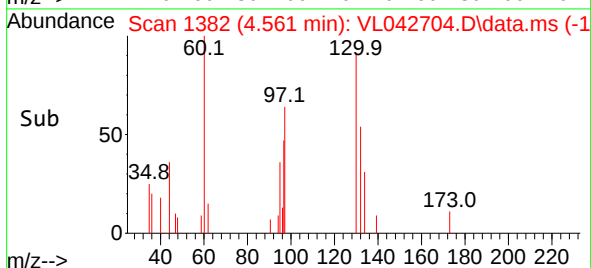
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

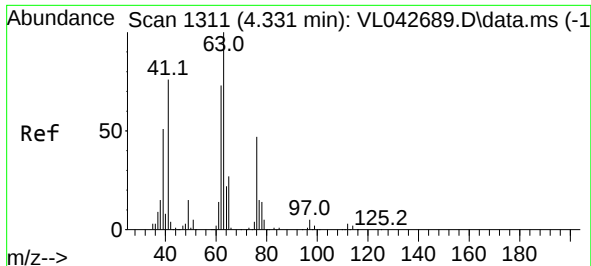


#38
Trichloroethene
Concen: 0.108 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



Tgt Ion:130 Resp: 1225
Ion Ratio Lower Upper
130 100
95 39.5 81.1 121.7#
132 59.6 77.9 116.9#
97 70.7 57.8 86.8





#39

1,2-Dichloropropane

Concen: 0.143 ppbv m

RT: 4.334 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

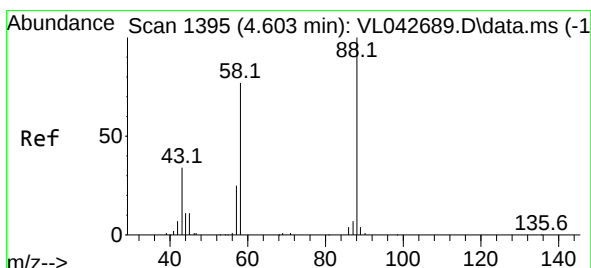
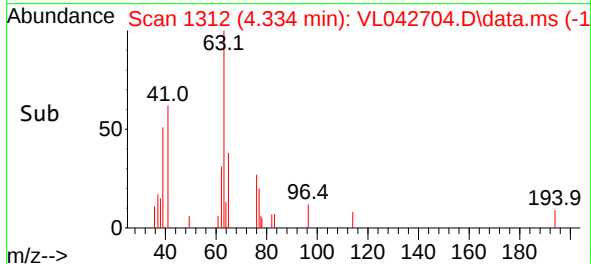
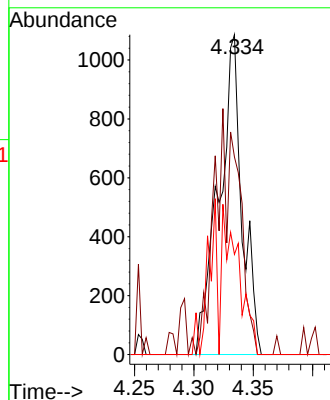
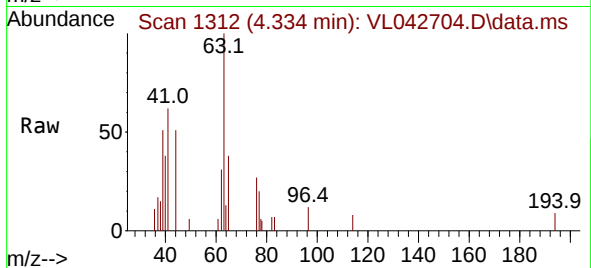
LOQ-AIR-02-QT2-2025

Tgt Ion: 63	Resp: 147
Ion Ratio	Lower Upper
63	100
41	61.8 60.8 91.2
62	31.3 58.6 87.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#40

1,4-Dioxane

Concen: 0.093 ppbv m

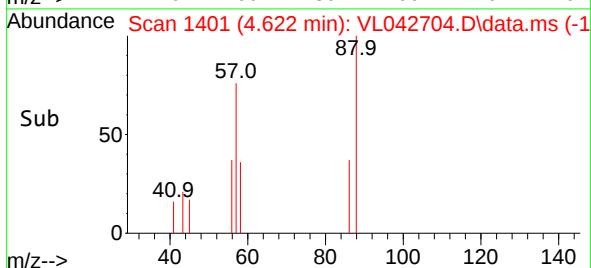
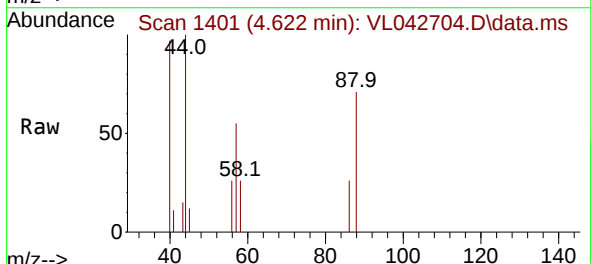
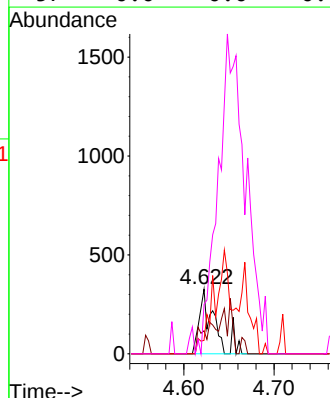
RT: 4.622 min Scan# 1401

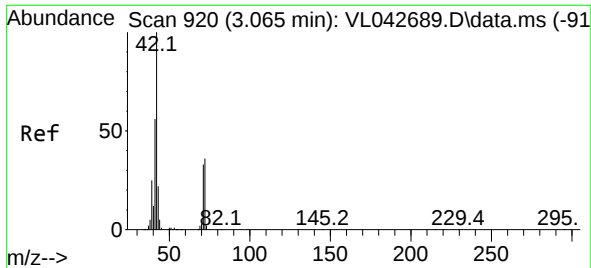
Delta R.T. 0.019 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

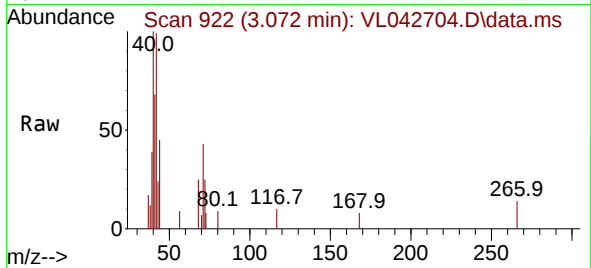
Tgt Ion: 88	Resp: 372
Ion Ratio	Lower Upper
88	100
58	8.3 62.1 93.1#
43	31.2 26.2 39.2
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.086 ppbv m
RT: 3.072 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

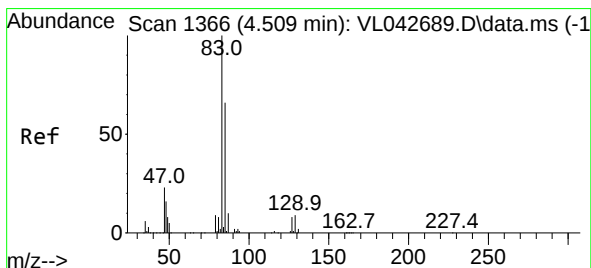
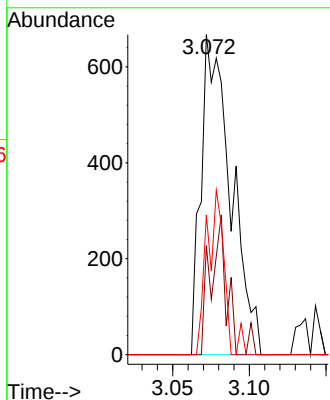
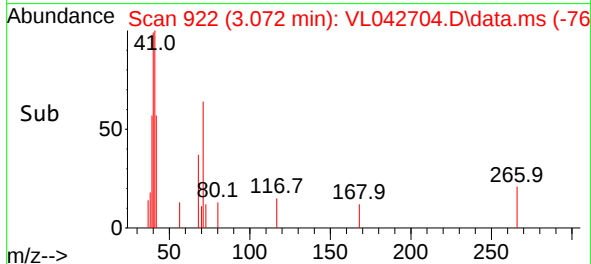
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 42 Resp: 904
Ion Ratio Lower Upper
42 100
72 0.0 28.2 42.4#
71 0.0 25.4 38.0#

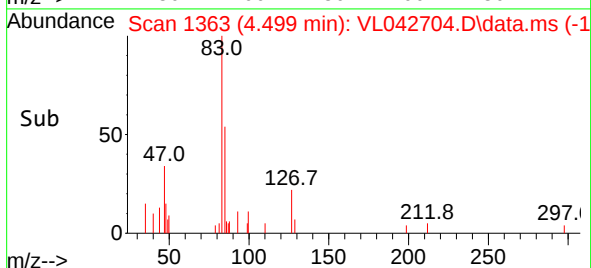
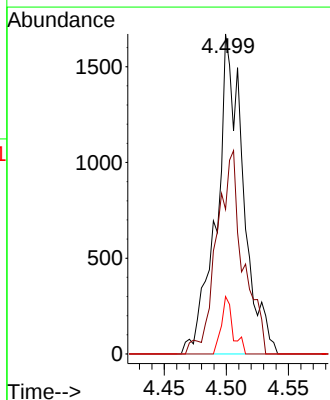
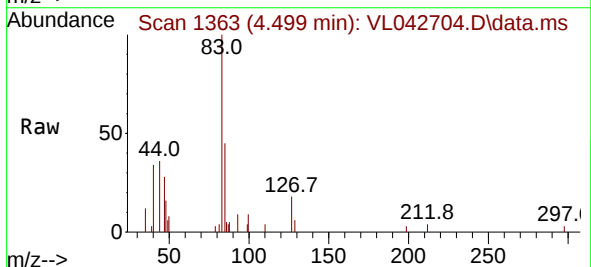
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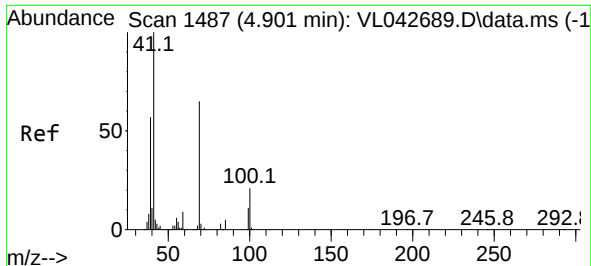
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#42
Bromodichloromethane
Concen: 0.127 ppbv m
RT: 4.499 min Scan# 1363
Delta R.T. -0.010 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

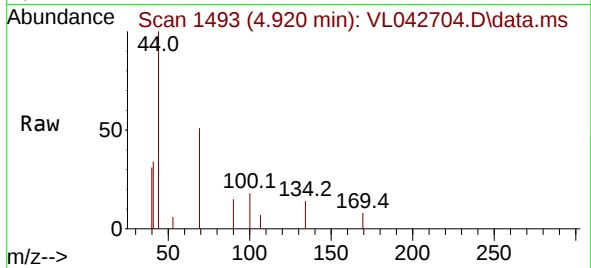
Tgt Ion: 83 Resp: 2510
Ion Ratio Lower Upper
83 100
85 45.2 52.5 78.7#
127 18.0 6.1 9.1#





#43
Methyl Methacrylate
Concen: 0.086 ppbv m
RT: 4.920 min Scan# 1493
Delta R.T. 0.019 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

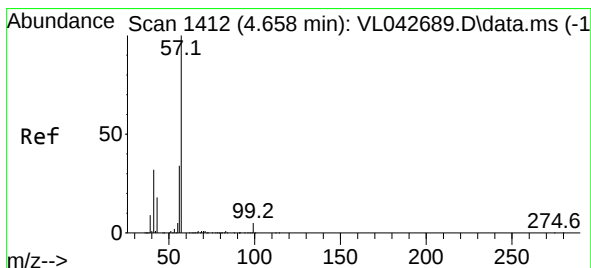
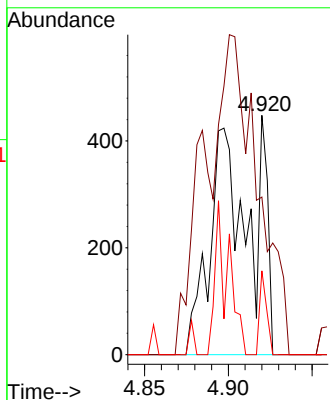
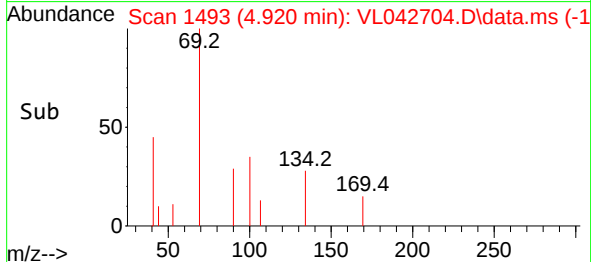
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 69 Resp: 728
Ion Ratio Lower Upper
69 100
41 178.3 125.4 188.2
100 29.9 26.4 39.6

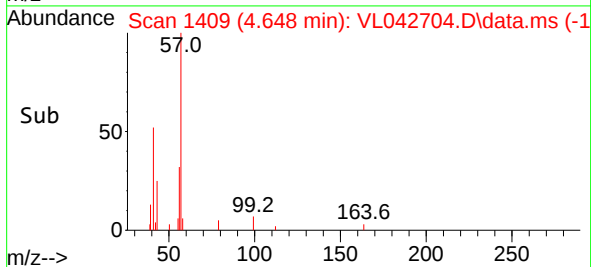
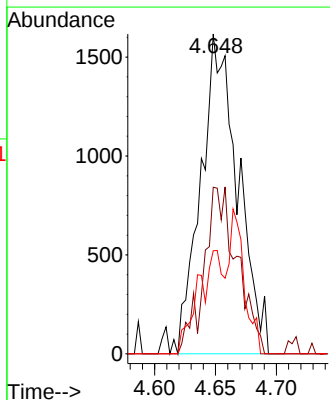
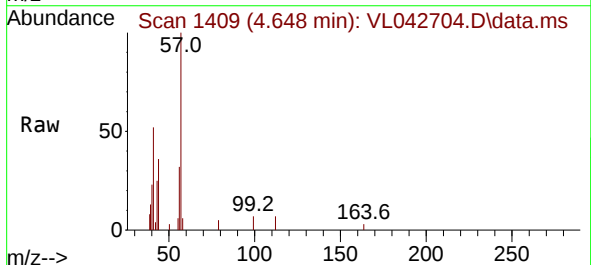
Manual Integrations
APPROVED

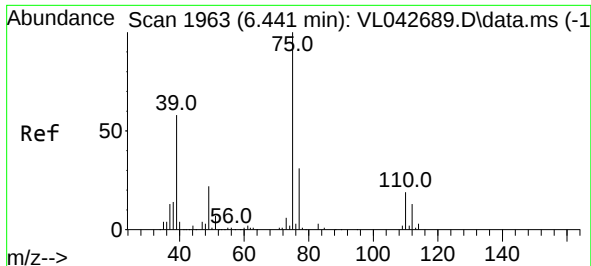
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#44
2,2,4-Trimethylpentane
Concen: 0.077 ppbv m
RT: 4.648 min Scan# 1409
Delta R.T. -0.010 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

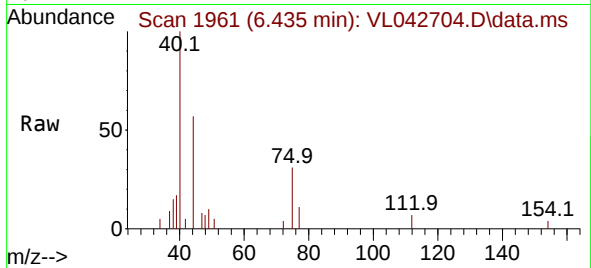
Tgt Ion: 57 Resp: 3425
Ion Ratio Lower Upper
57 100
41 0.0 25.2 37.8#
56 0.0 26.3 39.5#





#45
 t-1,3-Dichloropropene
 Concen: 0.112 ppbv m
 RT: 6.435 min Scan# 1963
 Delta R.T. -0.006 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

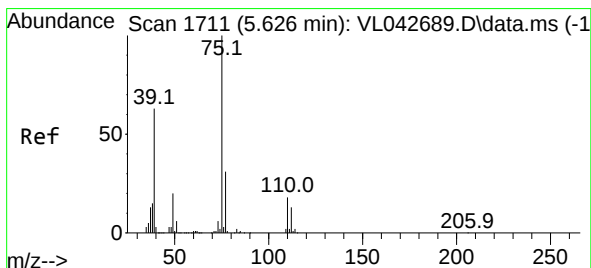
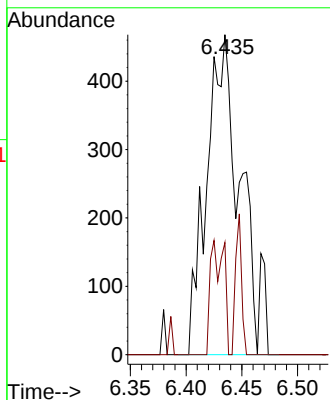
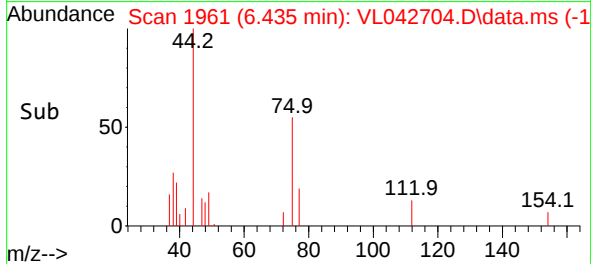
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 75 Resp: 99
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.0 37.4

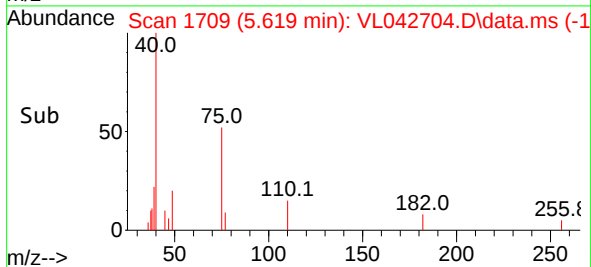
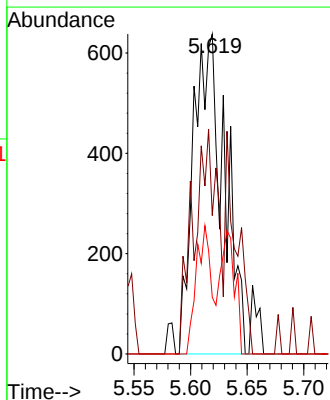
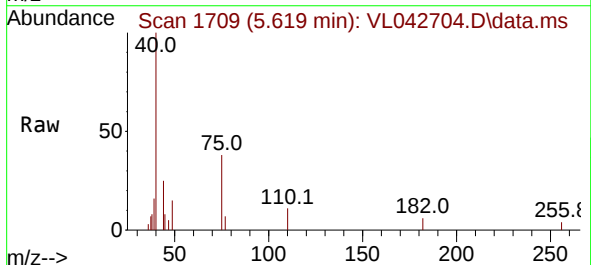
Manual Integrations
 APPROVED

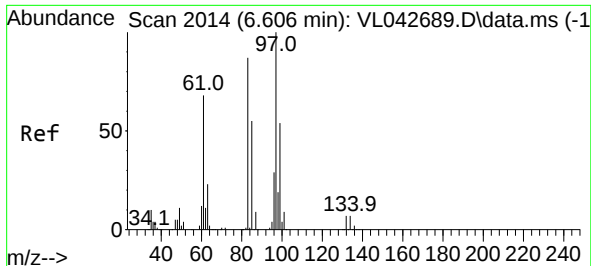
Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.103 ppbv m
 RT: 5.619 min Scan# 1709
 Delta R.T. -0.006 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

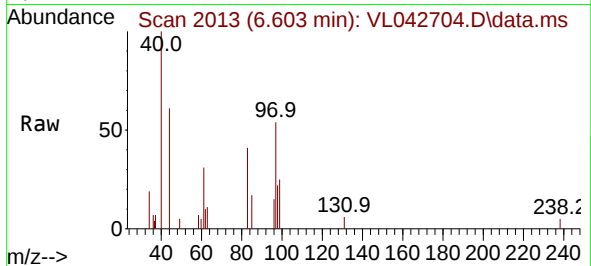
Tgt Ion: 75 Resp: 1263
 Ion Ratio Lower Upper
 75 100
 39 43.3 50.6 75.8#
 77 17.7 24.8 37.2#





#47
1,1,2-Trichloroethane
Concen: 0.132 ppbv m
RT: 6.603 min Scan# 2014
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

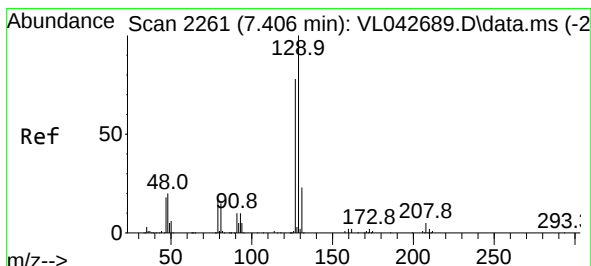
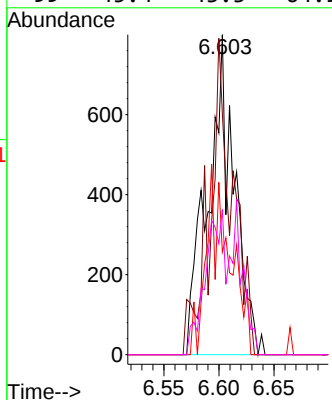
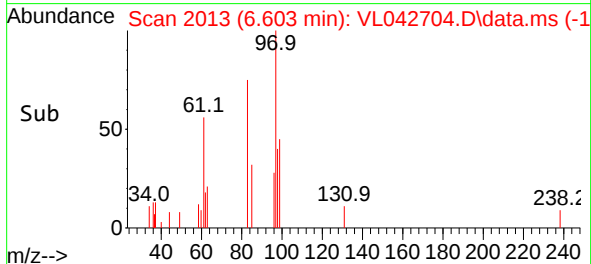
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 97 Resp: 1332
Ion Ratio Lower Upper
97 100
83 75.4 69.3 103.9
85 32.1 43.7 65.5
99 45.4 43.3 64.9

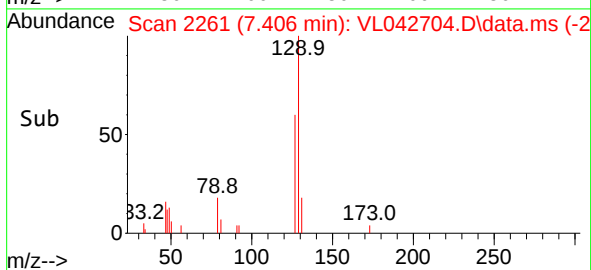
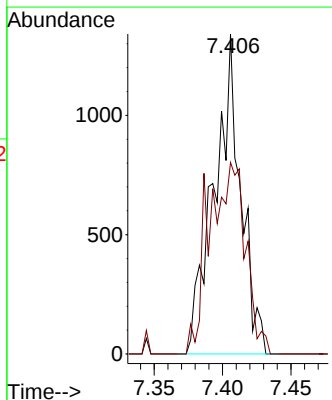
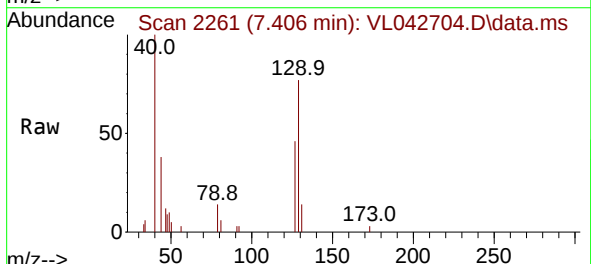
Manual Integrations
APPROVED

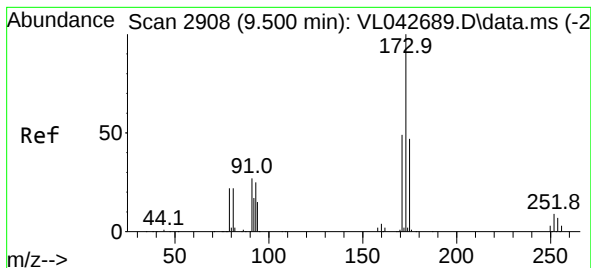
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#48
Dibromochloromethane
Concen: 0.117 ppbv m
RT: 7.406 min Scan# 2261
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

Tgt Ion:129 Resp: 1813
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#49

Bromoform

Concen: 0.097 ppbv m

RT: 9.493 min Scan# 2908

Delta R.T. -0.006 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

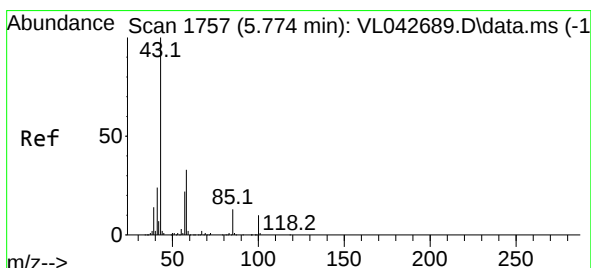
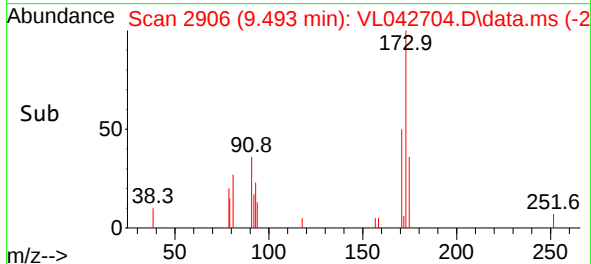
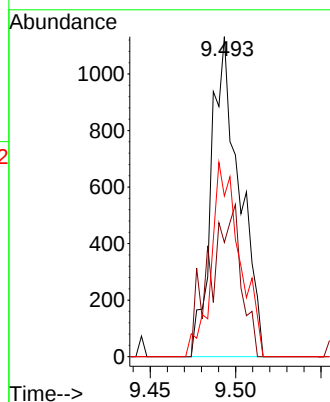
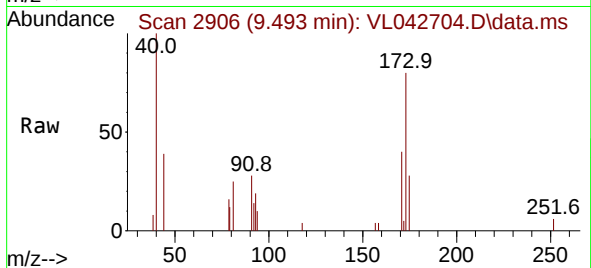
LOQ-AIR-02-QT2-2025

Tgt Ion:173	Resp:	129
Ion Ratio	Lower	Upper
173	100	
175	52.0	38.6 57.8
171	61.4	40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#50

4-Methyl-2-Pentanone

Concen: 0.083 ppbv m

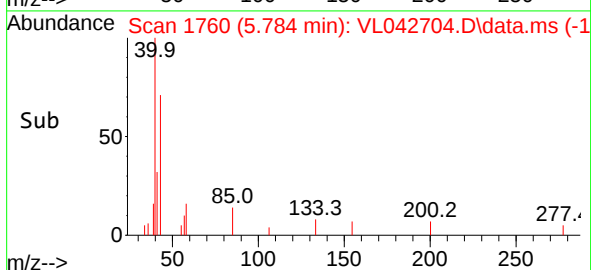
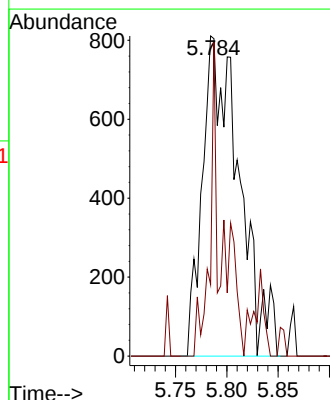
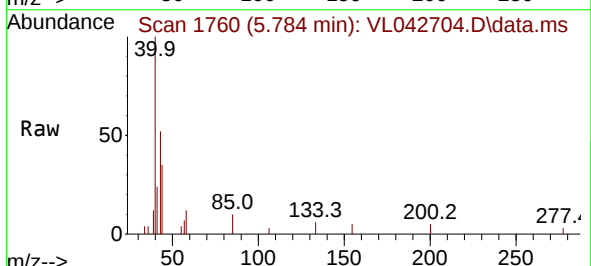
RT: 5.784 min Scan# 1760

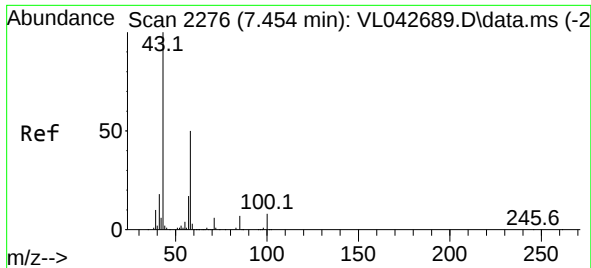
Delta R.T. 0.010 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

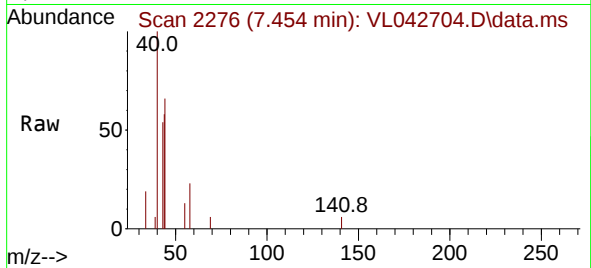
Tgt Ion: 43	Resp:	2021
Ion Ratio	Lower	Upper
43	100	
58	1.5	27.5 41.3





#51
2-Hexanone
Concen: 0.072 ppbv m
RT: 7.454 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

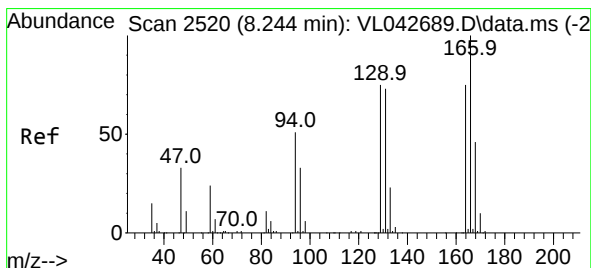
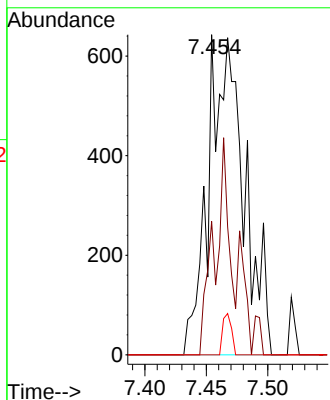
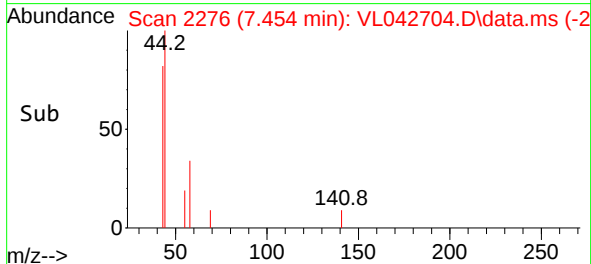
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
58 0.0 38.6 57.8
98 0.0 0.6 1.0

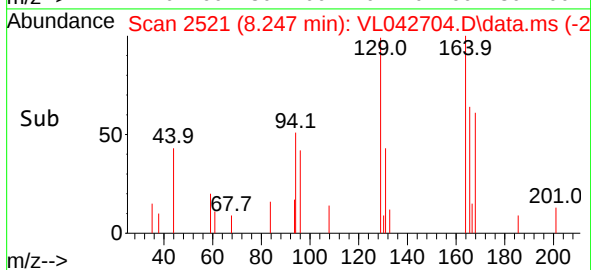
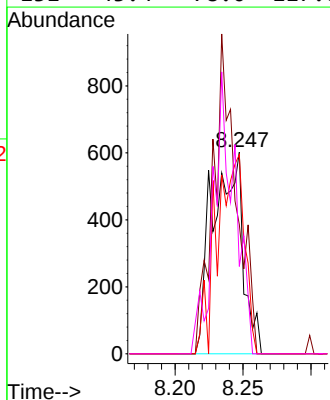
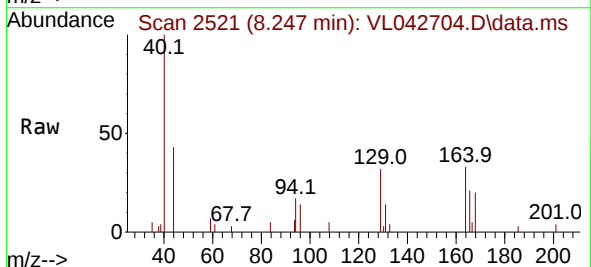
Manual Integrations
APPROVED

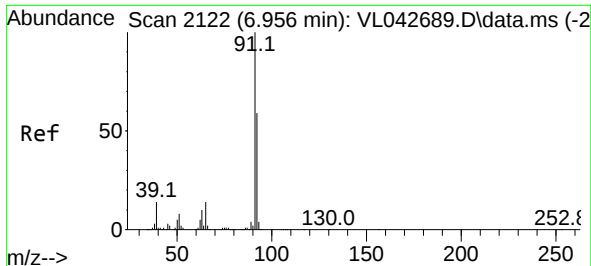
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#52
Tetrachloroethene
Concen: 0.106 ppbv m
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

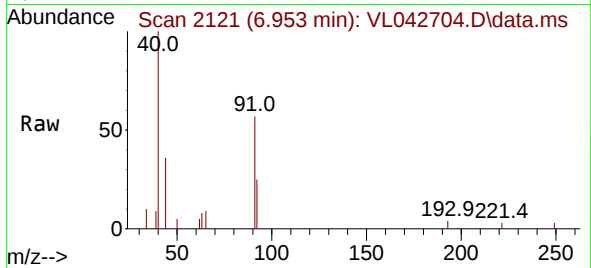
Tgt Ion:164 Resp: 931
Ion Ratio Lower Upper
164 100
166 64.1 106.6 160.0#
129 98.8 79.8 119.6
131 43.4 78.0 117.0#





#53
Toluene
Concen: 0.080 ppbv
RT: 6.953 min Scan# 2121
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

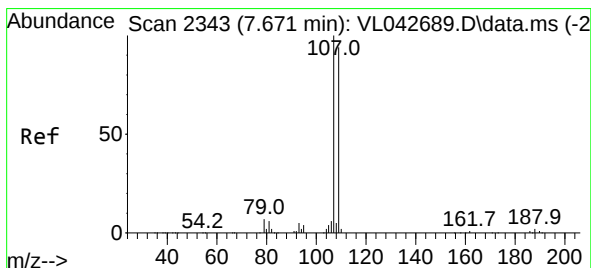
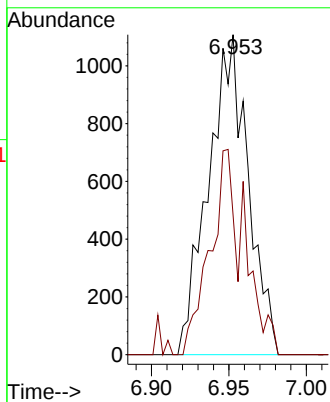
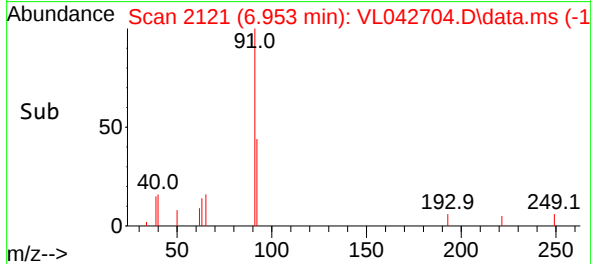
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



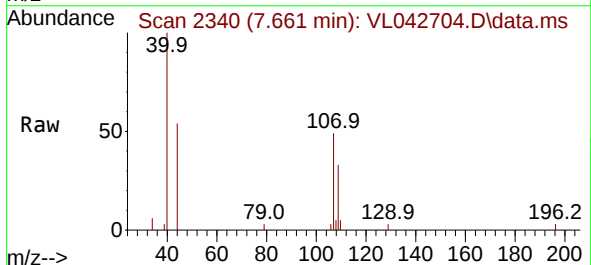
Tgt Ion: 91 Resp: 1970
Ion Ratio Lower Upper
91 100
92 57.2 47.4 71.2

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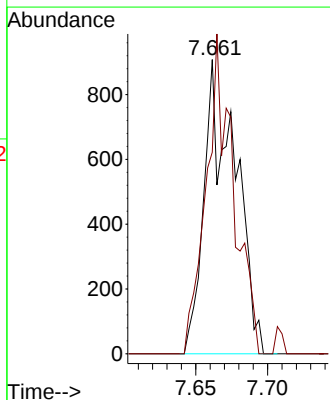
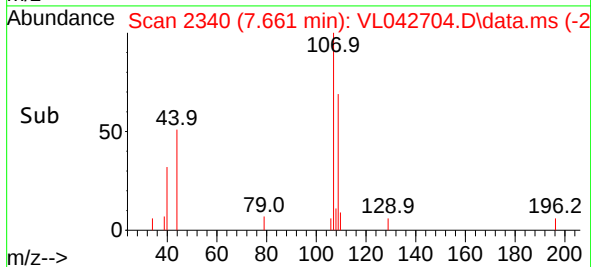
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

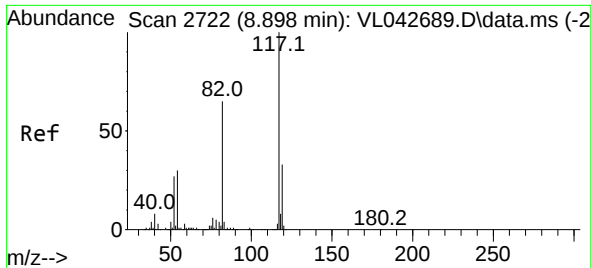


#54
1,2-Dibromoethane
Concen: 0.097 ppbv m
RT: 7.661 min Scan# 2340
Delta R.T. -0.010 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



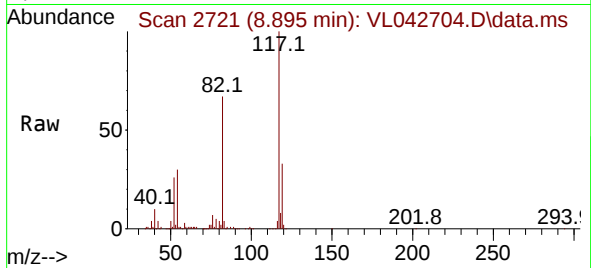
Tgt Ion:107 Resp: 1370
Ion Ratio Lower Upper
107 100
109 68.5 74.8 112.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

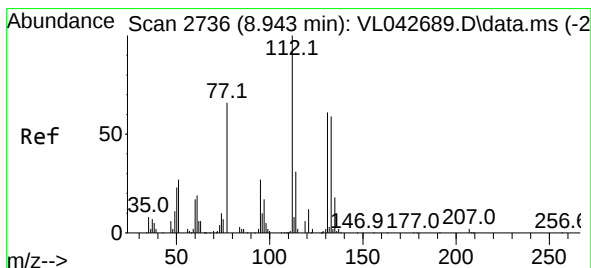
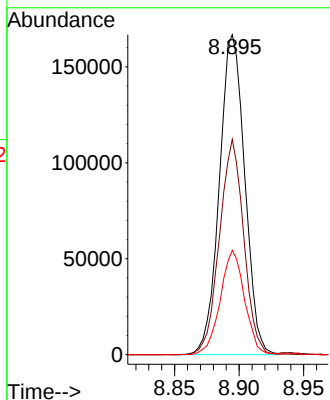
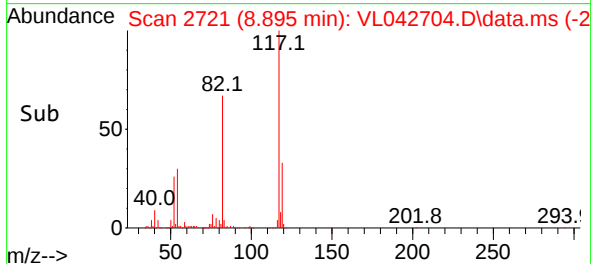
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



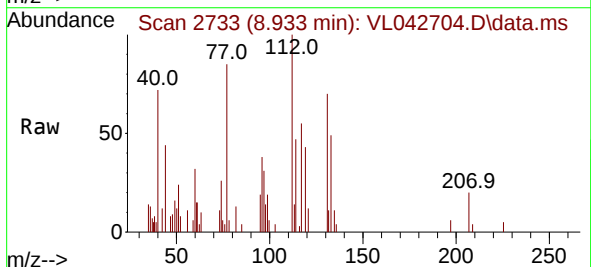
Tgt Ion:117 Resp: 22762
Ion Ratio Lower Upper
117 100
82 64.7 53.4 80.2
119 31.7 26.6 39.8

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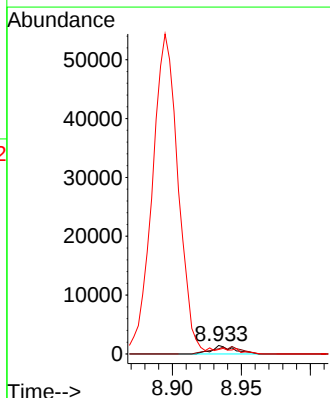
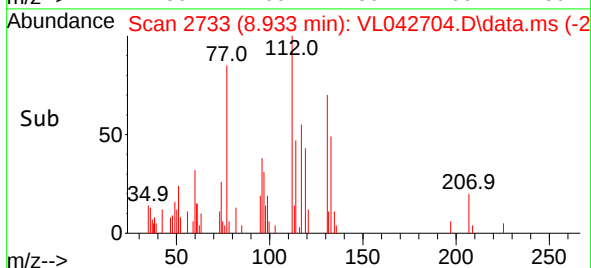
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

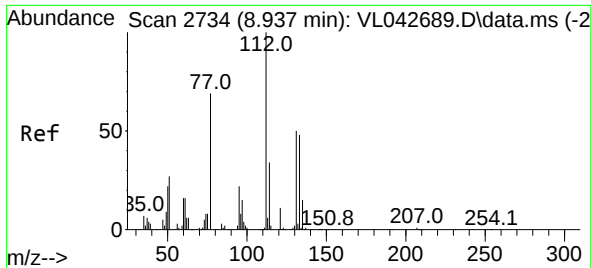


#56
1,1,1,2-Tetrachloroethane
Concen: 0.128 ppbv m
RT: 8.933 min Scan# 2733
Delta R.T. -0.010 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



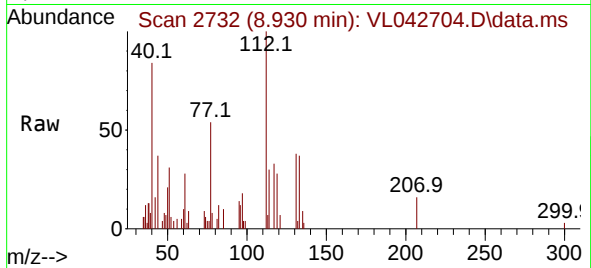
Tgt Ion:131 Resp: 1579
Ion Ratio Lower Upper
131 100
133 112.7 77.3 115.9
119 0.0 52.6 78.8#





#57
Chlorobenzene
Concen: 0.115 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.006 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

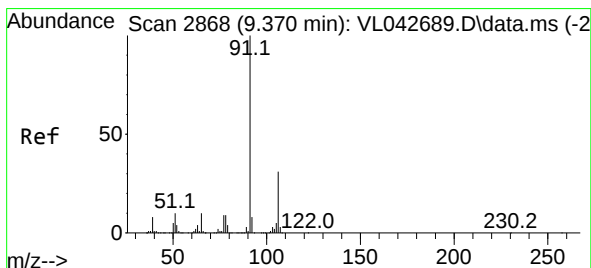
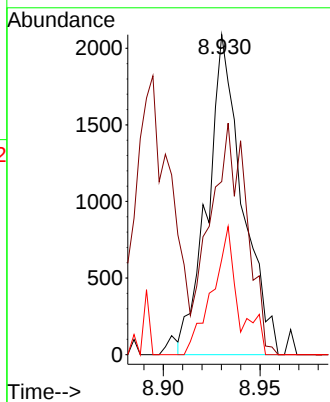
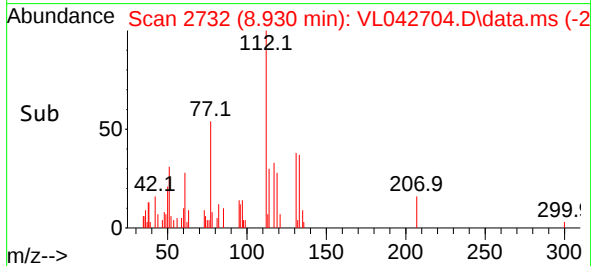
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion:112 Resp: 2610
Ion Ratio Lower Upper
112 100
77 54.1 56.2 84.4
114 29.7 30.2 37.0

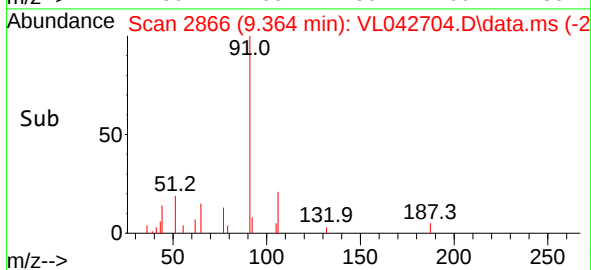
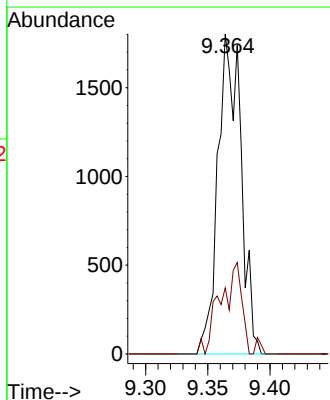
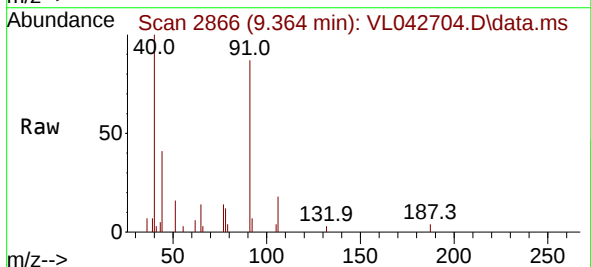
Manual Integrations
APPROVED

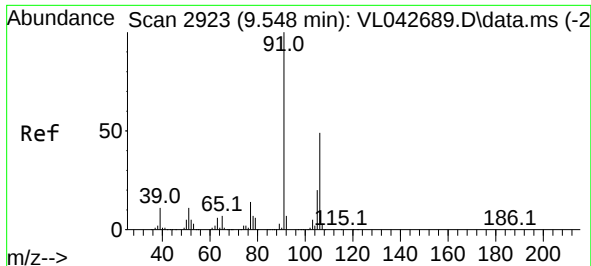
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#58
Ethyl Benzene
Concen: 0.070 ppbv m
RT: 9.364 min Scan# 2866
Delta R.T. -0.006 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

Tgt Ion: 91 Resp: 2318
Ion Ratio Lower Upper
91 100
106 20.6 24.9 37.3





#59

m/p-Xylene

Concen: 0.103 ppbv m

RT: 9.545 min Scan# 2923

Delta R.T. -0.003 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

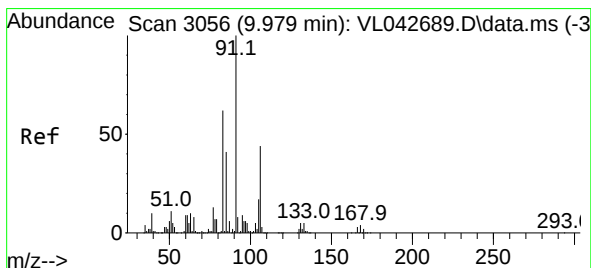
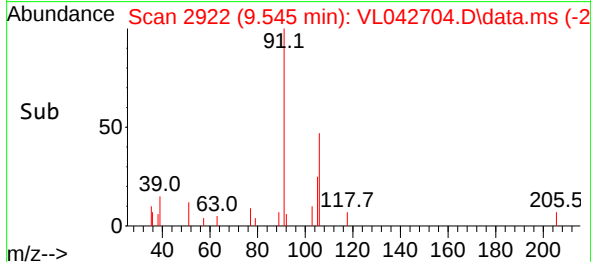
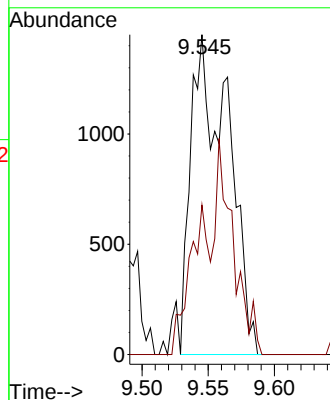
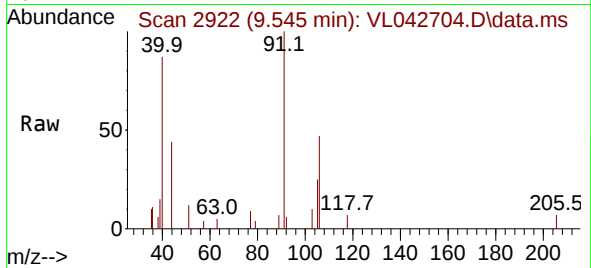
LOQ-AIR-02-QT2-2025

Tgt Ion: 91 Resp: 283
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025



#60

o-Xylene

Concen: 0.058 ppbv m

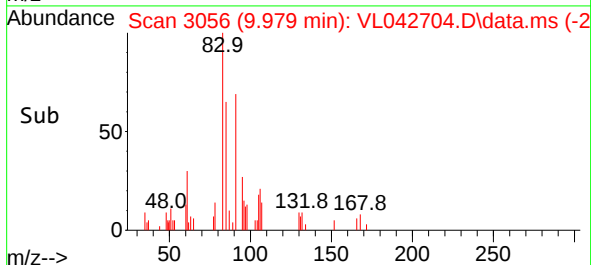
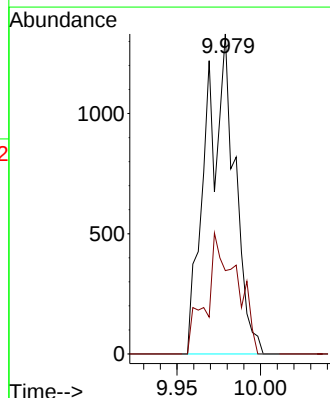
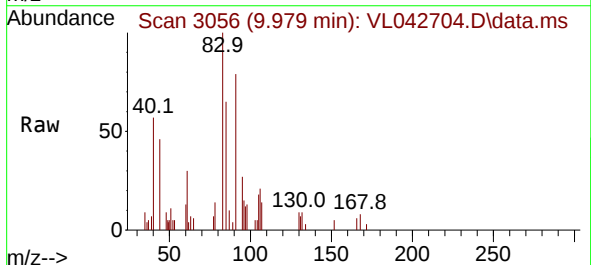
RT: 9.979 min Scan# 3056

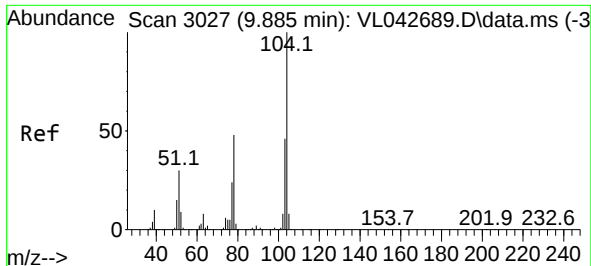
Delta R.T. 0.000 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

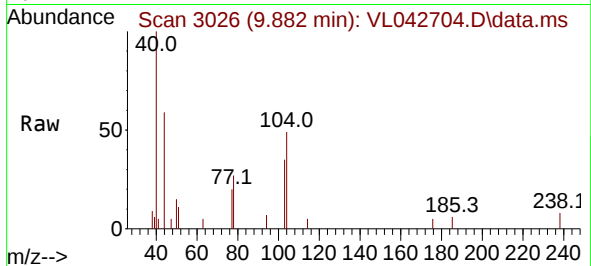
Tgt Ion: 91 Resp: 1575
 Ion Ratio Lower Upper
 91 100
 106 0.0 22.8 68.4





#61
Styrene
Concen: 0.054 ppbv
RT: 9.882 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

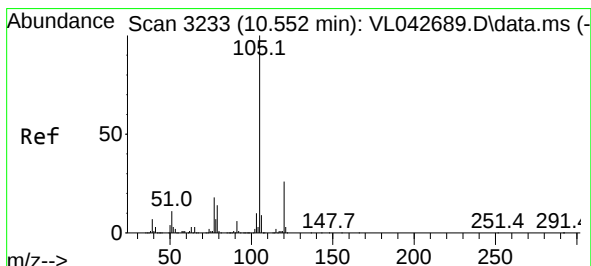
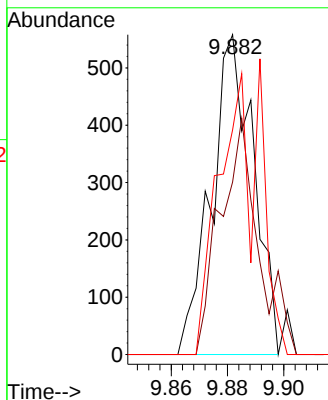
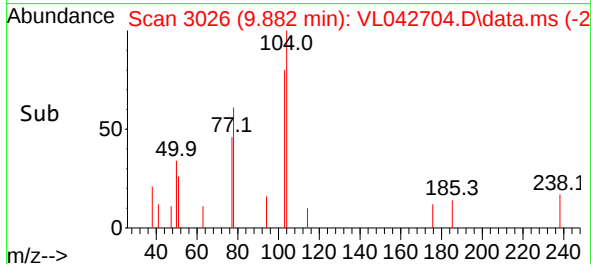
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



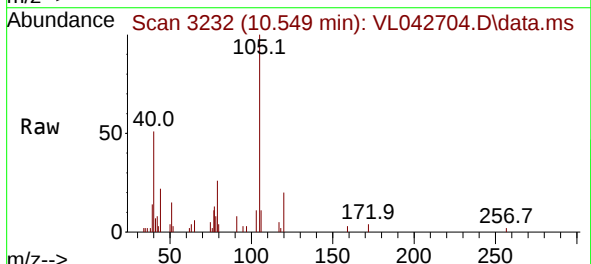
Tgt Ion:104 Resp: 580
Ion Ratio Lower Upper
104 100
78 66.9 39.0 58.6
103 85.2 37.4 56.0

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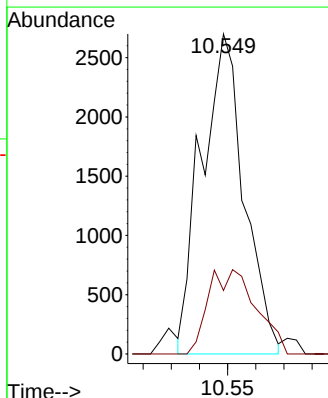
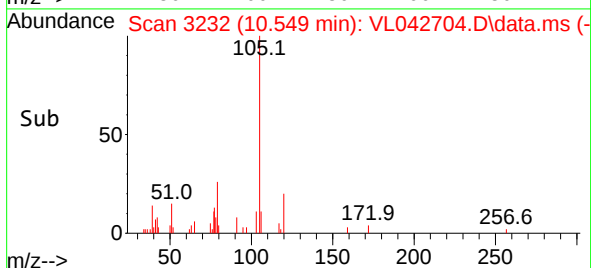
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

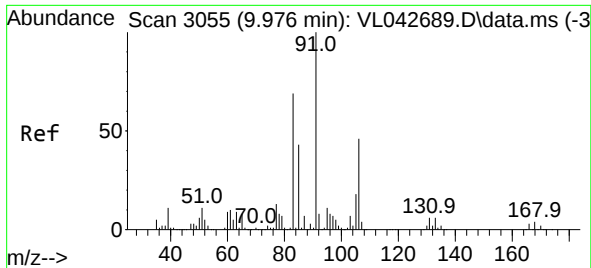


#62
Isopropylbenzene
Concen: 0.070 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



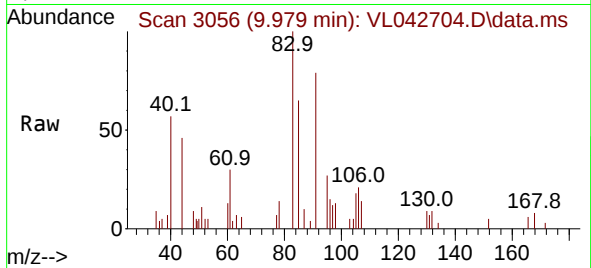
Tgt Ion:105 Resp: 2849
Ion Ratio Lower Upper
105 100
120 29.4 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 0.107 ppbv
RT: 9.979 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

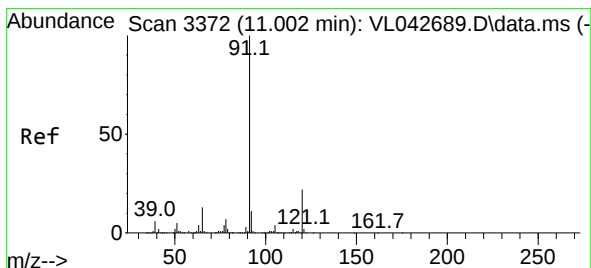
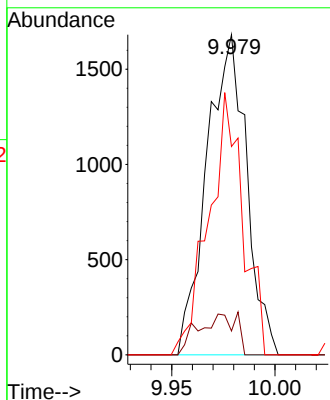
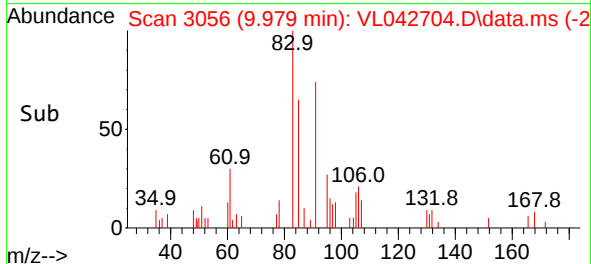
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 83 Resp: 224
Ion Ratio Lower Upper
83 100
131 12.1 4.5 13.4
85 70.5 31.5 94.5

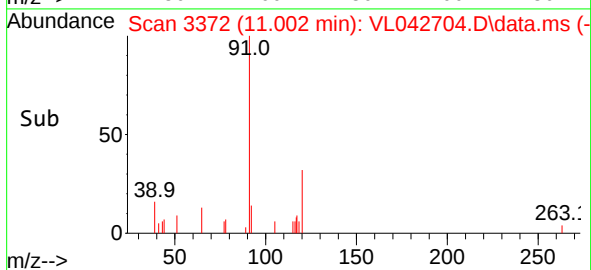
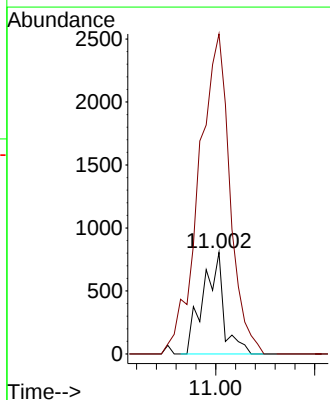
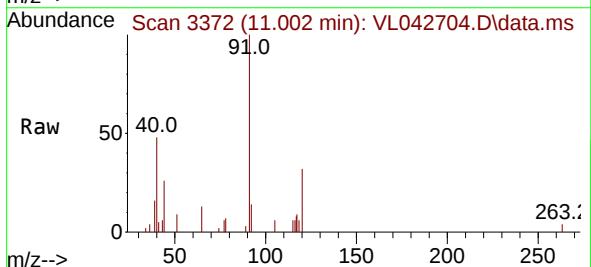
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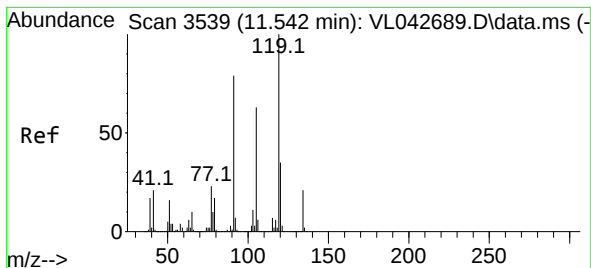
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#64
n-propylbenzene
Concen: 0.056 ppbv m
RT: 11.002 min Scan# 3372
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

Tgt Ion:120 Resp: 589
Ion Ratio Lower Upper
120 100
91 470.1 377.8 566.8





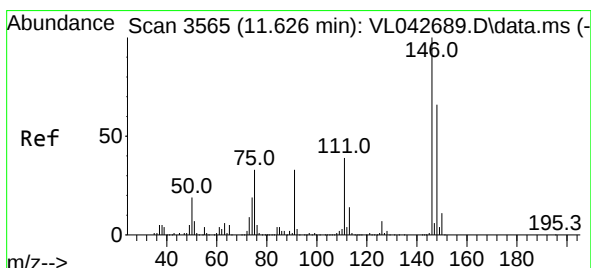
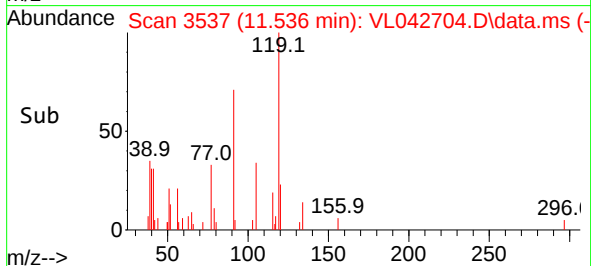
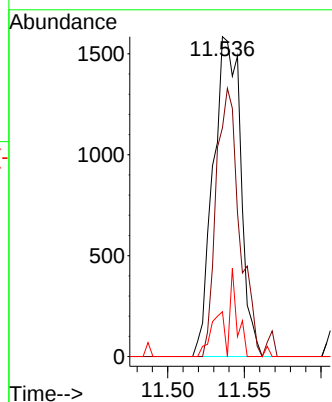
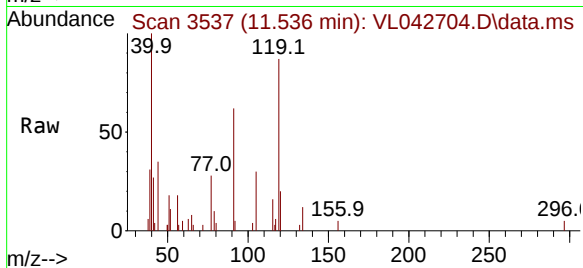
#65
tert-Butylbenzene
Concen: 0.056 ppbv m
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

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

Tgt Ion: 119 Resp: 1964
Ion Ratio Lower Upper
119 100
91 73.1 62.6 93.8
134 14.1 16.9 25.3

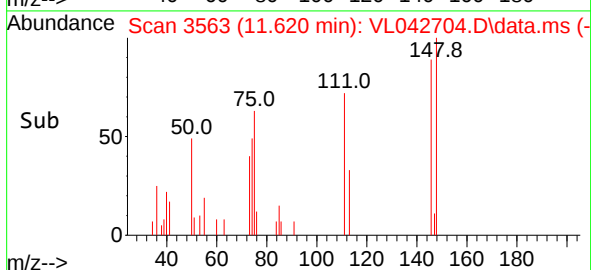
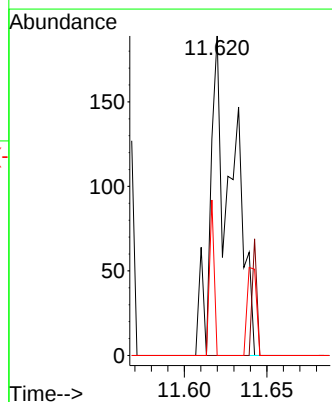
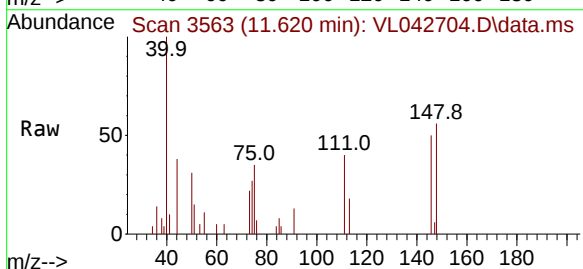
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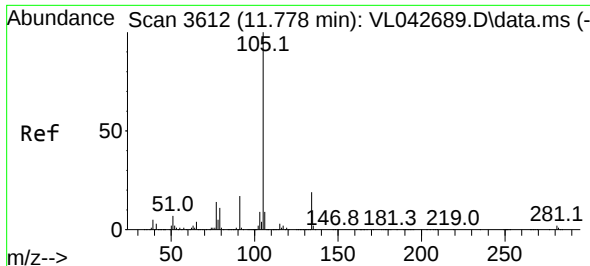
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#66
Benzyl Chloride
Concen: 0.052 ppbv m
RT: 11.620 min Scan# 3563
Delta R.T. -0.006 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

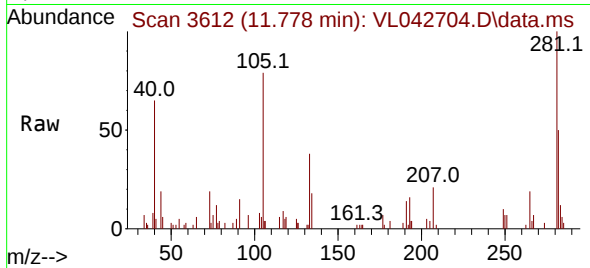
Tgt Ion: 91 Resp: 177
Ion Ratio Lower Upper
91 100
126 0.0 14.8 22.2#
128 10.2 4.7 7.1#





#67
 sec-Butylbenzene
 Concen: 0.054 ppbv m
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.000 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43

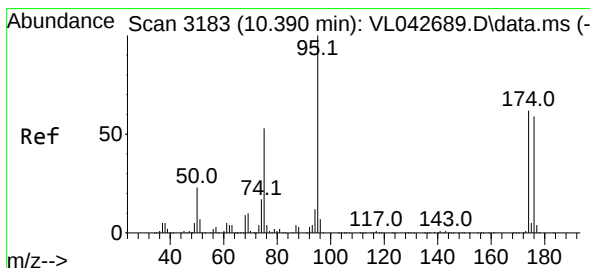
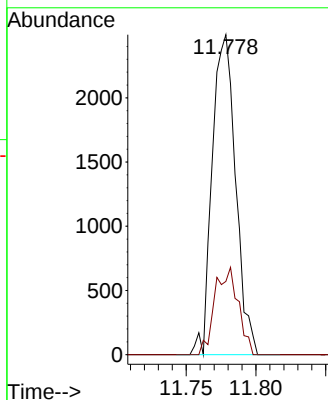
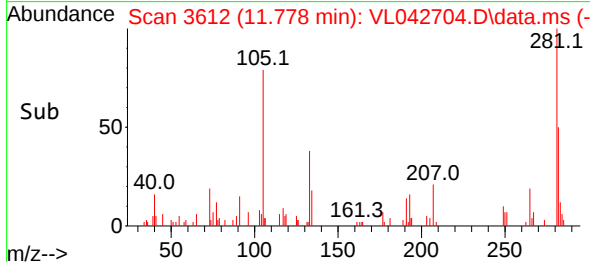
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



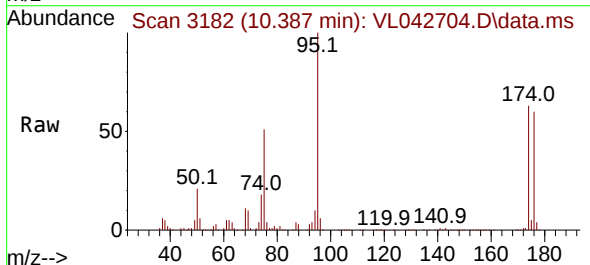
Tgt Ion: 105 Resp: 2910
 Ion Ratio Lower Upper
 105 100
 134 9.8 15.0 22.6

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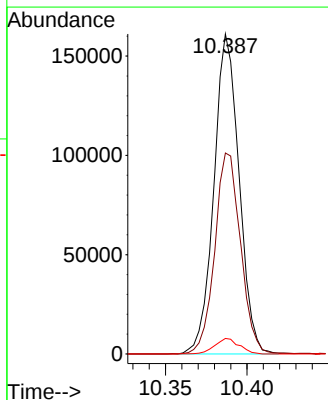
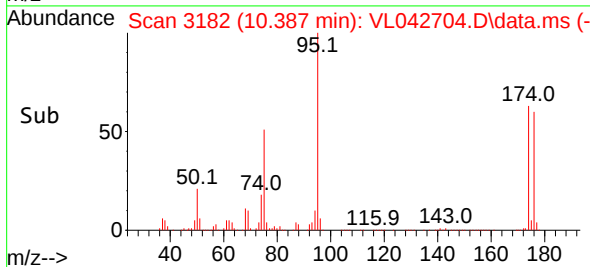
Reviewed By :Semsettin Yesilyurt 07/07/2025
 Supervised By :Mahesh Dadoda 07/07/2025

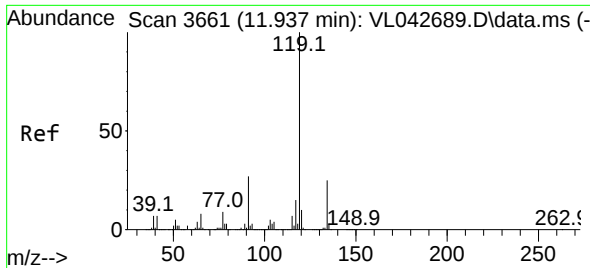


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.872 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. -0.003 min
 Lab File: VL042704.D
 Acq: 03 Jul 2025 12:43



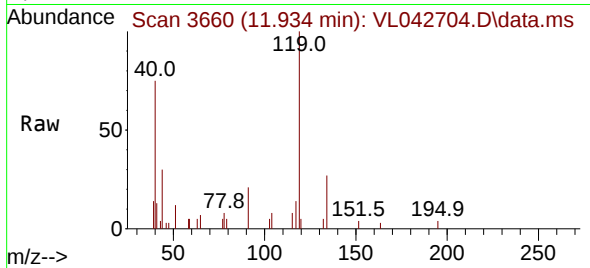
Tgt Ion: 95 Resp: 172840
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.2 76.8
 175 4.7 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.044 ppbv m
RT: 11.934 min Scan# 3660
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

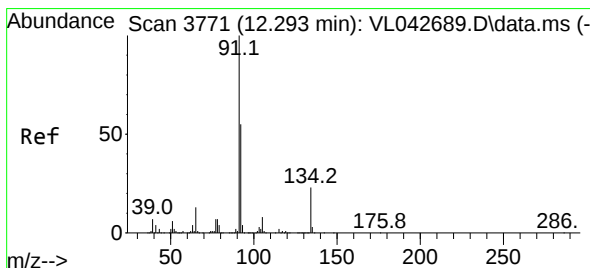
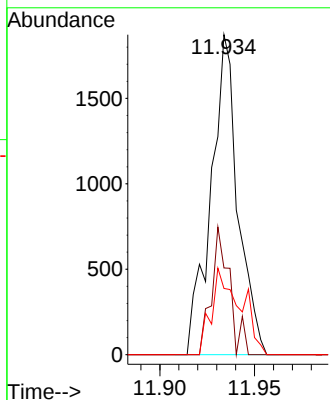
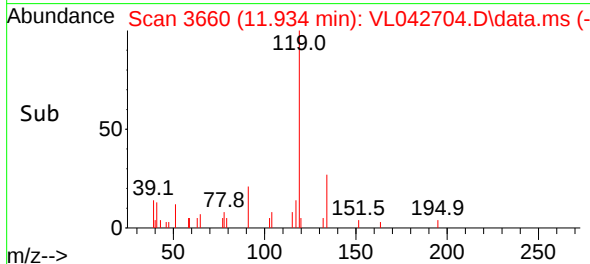
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



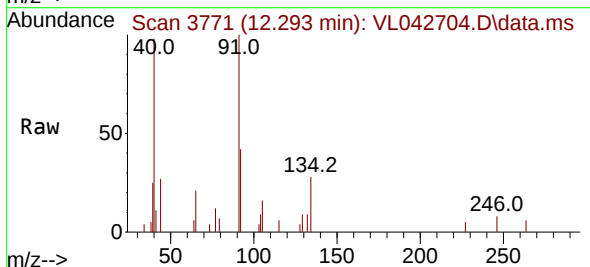
Tgt Ion: 119 Resp: 1859
Ion Ratio Lower Upper
119 100
134 26.6 20.6 31.0
91 29.0 21.4 32.2

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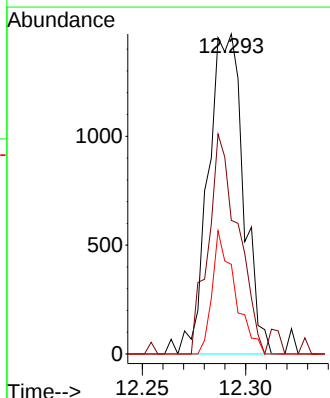
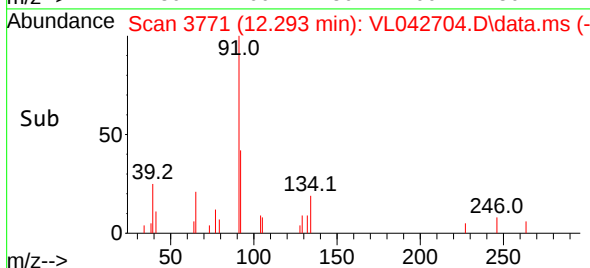
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

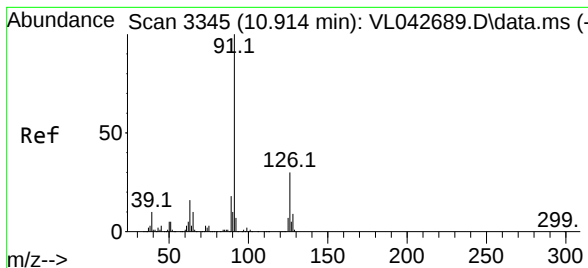


#70
n-Butylbenzene
Concen: 0.040 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



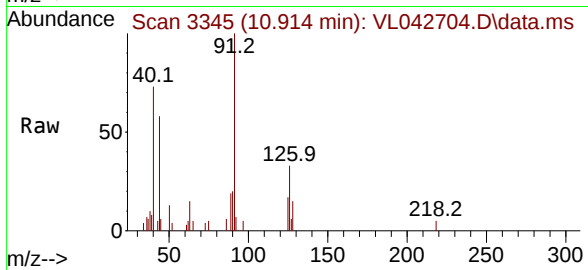
Tgt Ion: 91 Resp: 1737
Ion Ratio Lower Upper
91 100
92 62.1 44.2 66.2
134 25.0 18.6 27.8





#71
2-Chlorotoluene
Concen: 0.072 ppbv
RT: 10.914 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

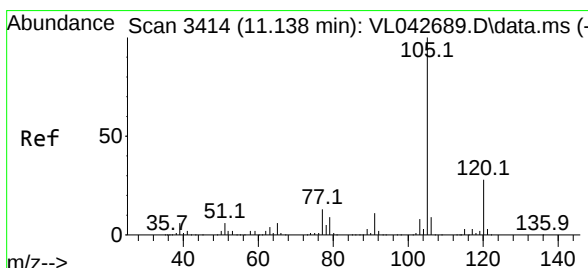
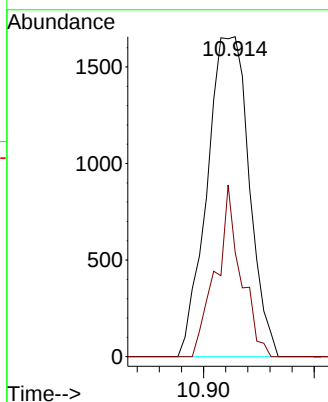
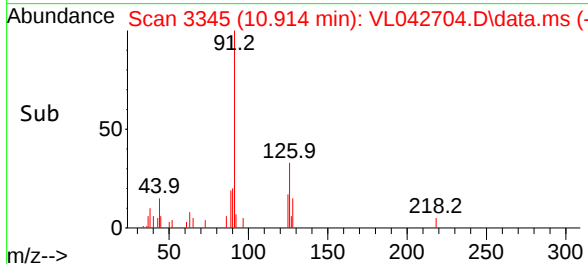
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



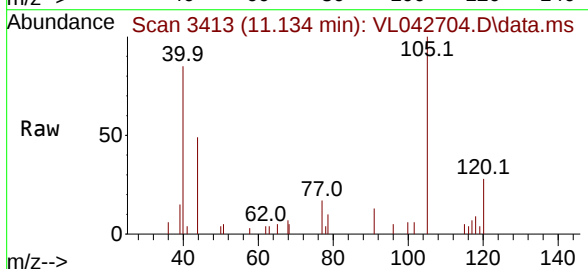
Tgt Ion: 91 Resp: 2189
Ion Ratio Lower Upper
91 100
126 31.7 11.8 47.4

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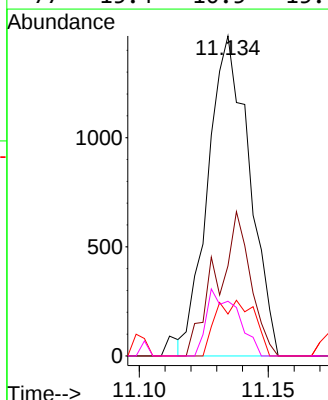
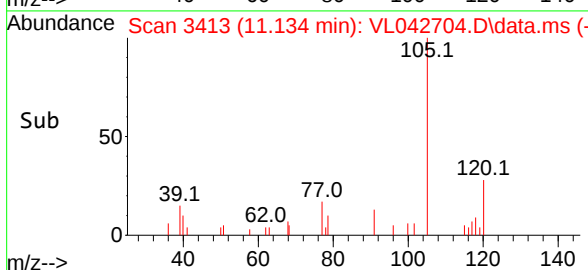
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

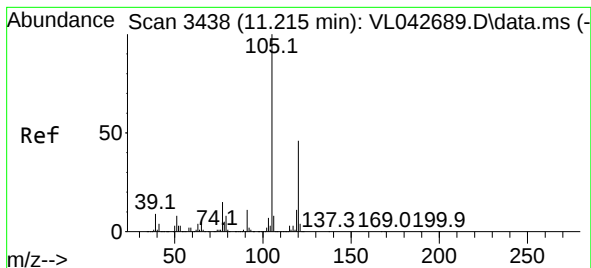


#72
4-Ethyltoluene
Concen: 0.049 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



Tgt Ion:105 Resp: 1638
Ion Ratio Lower Upper
105 100
120 36.8 23.8 35.6#
91 16.2 9.7 14.5#
77 15.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.046 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.000 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

Tgt Ion:105 Resp: 1270

Ion Ratio Lower Upper

105 100

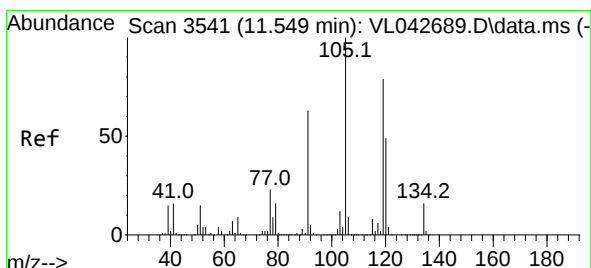
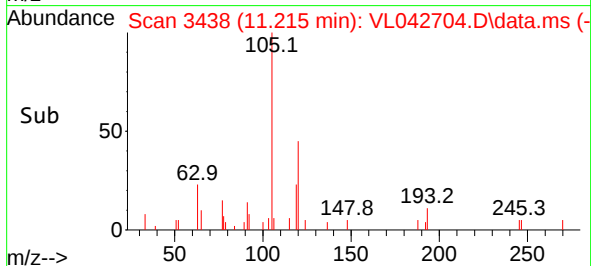
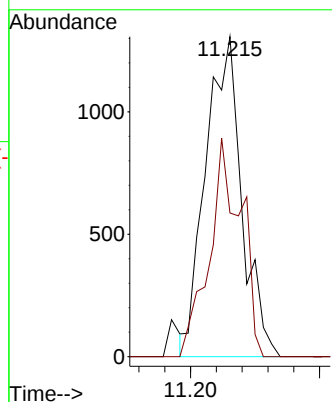
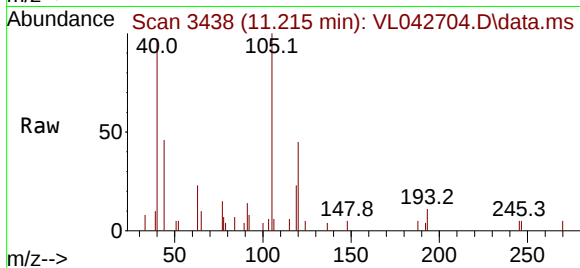
120 44.9 37.0 55.4

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Supervised By :Mahesh Dadoda 07/07/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.045 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Tgt Ion:105 Resp: 1418

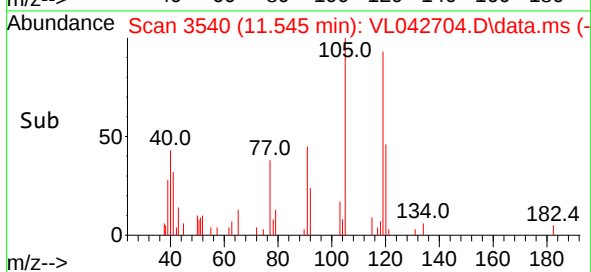
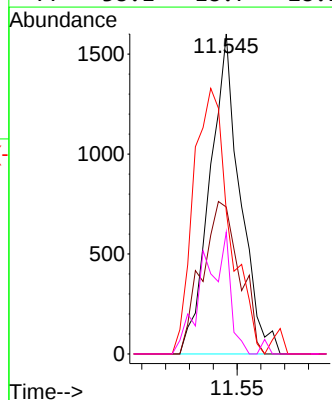
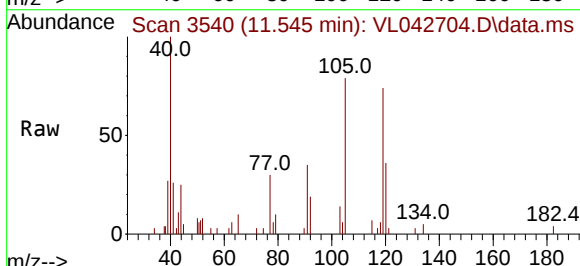
Ion Ratio Lower Upper

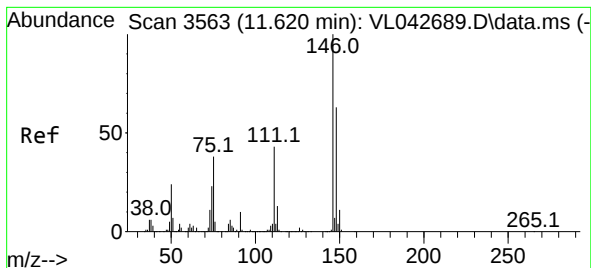
105 100

120 45.9 39.6 59.4

91 36.9 51.0 76.6#

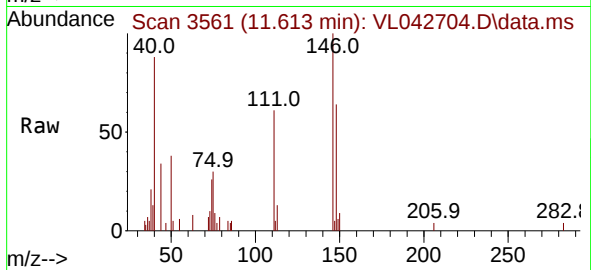
77 38.1 18.7 28.1#





#75
1,3-Dichlorobenzene
Concen: 0.069 ppbv m
RT: 11.613 min Scan# 3561
Delta R.T. -0.006 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43

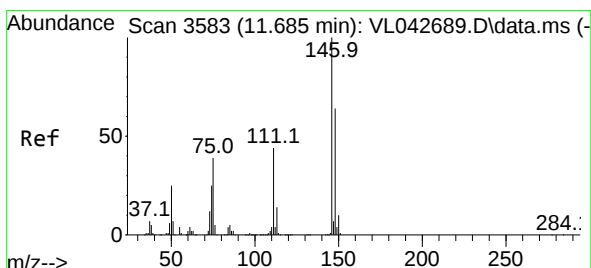
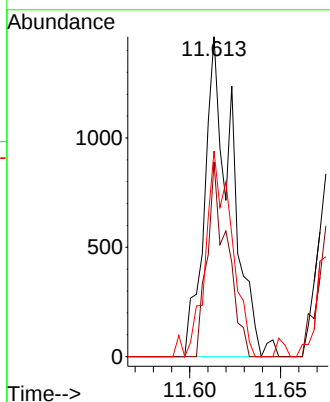
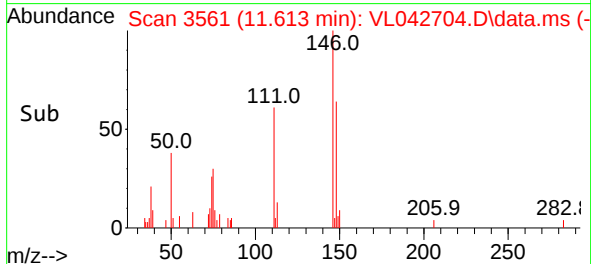
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



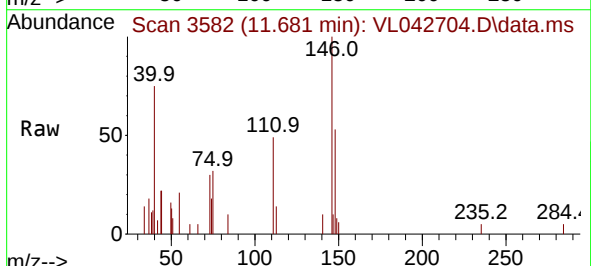
Tgt Ion:146 Resp: 1538
Ion Ratio Lower Upper
146 100
111 44.1 21.6 65.0
148 63.2 31.6 94.7

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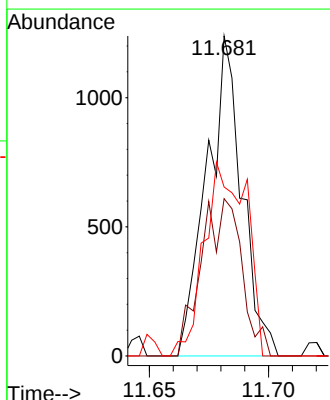
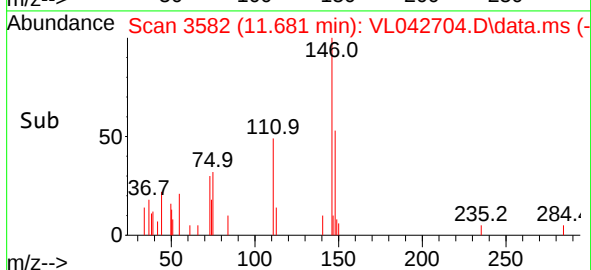
Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

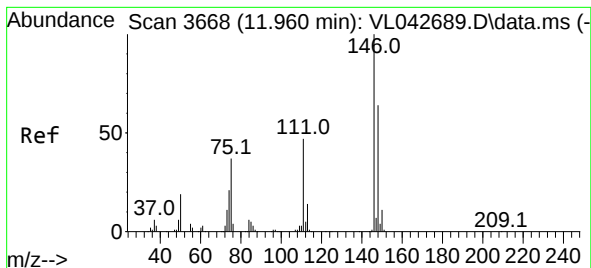


#76
1,4-Dichlorobenzene
Concen: 0.060 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VL042704.D
Acq: 03 Jul 2025 12:43



Tgt Ion:146 Resp: 1265
Ion Ratio Lower Upper
146 100
111 57.0 21.4 64.3
148 73.0 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 0.070 ppbv

RT: 11.953 min Scan# 30

Delta R.T. -0.006 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

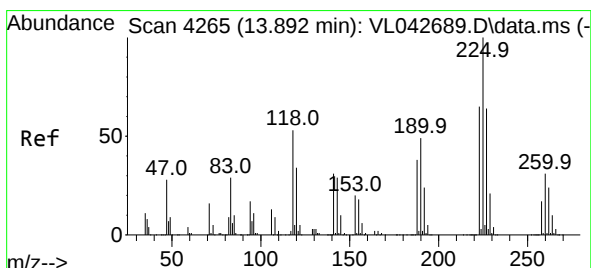
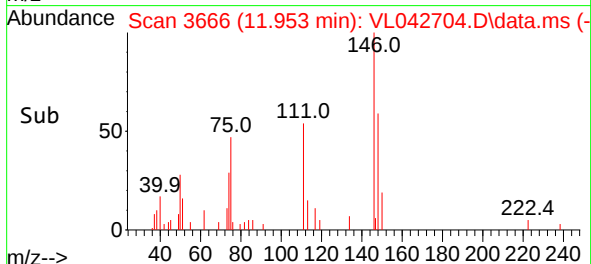
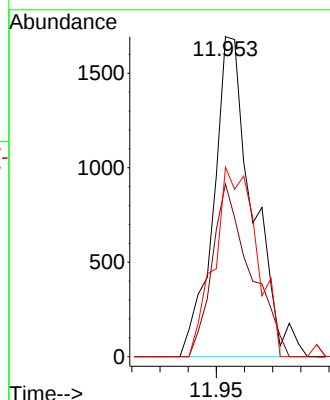
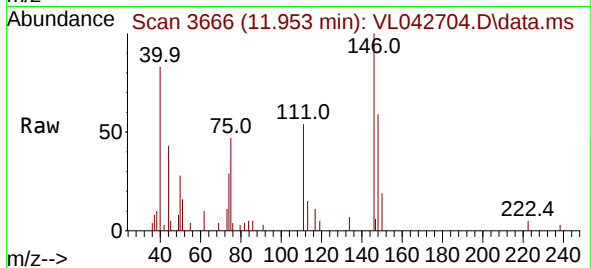
LOQ-AIR-02-QT2-2025

Tgt Ion:	146	Resp:	1590
Ion Ratio	Lower	Upper	
146	100		
111	54.2	22.9	68.8
148	66.7	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.121 ppbv

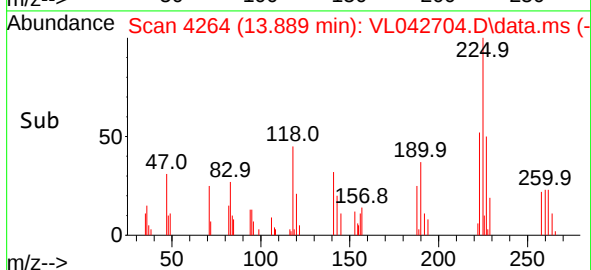
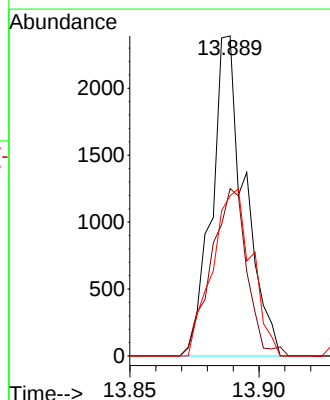
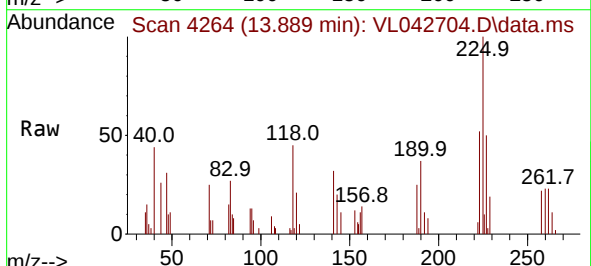
RT: 13.889 min Scan# 4264

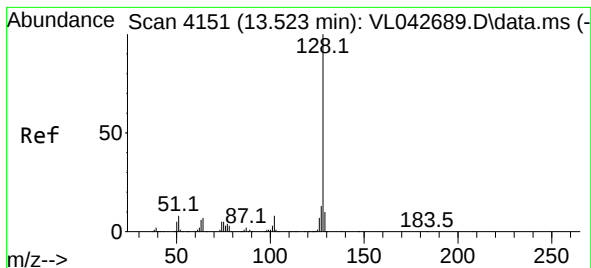
Delta R.T. -0.003 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Tgt Ion:	225	Resp:	2127
Ion Ratio	Lower	Upper	
225	100		
223	56.7	50.5	75.7
227	62.3	50.0	75.0





#79

Naphthalene

Concen: 0.032 ppbv

RT: 13.520 min Scan# 4151

Delta R.T. -0.003 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

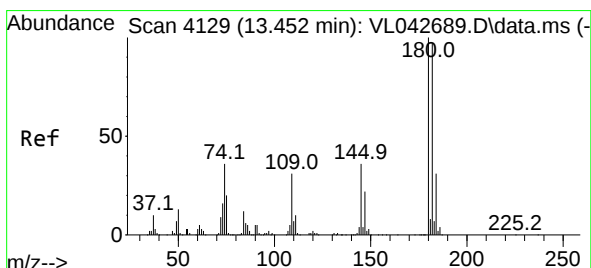
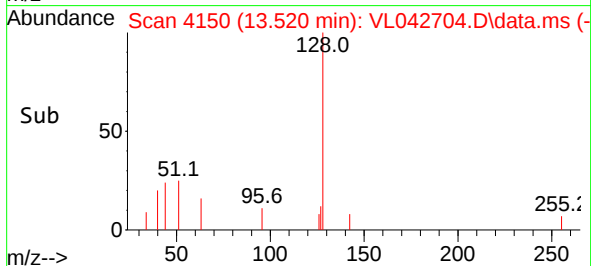
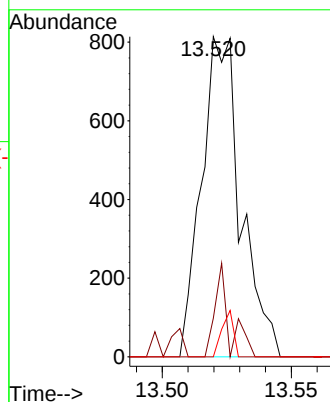
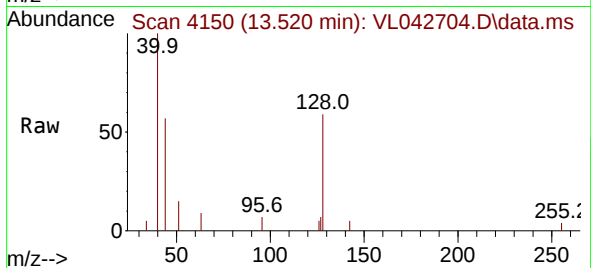
Tgt Ion:	128	Resp:	859
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.2	15.4
129	0.0	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2025

Supervised By :Mahesh Dadoda 07/07/2025



#81

1,2,4-Trichlorobenzene

Concen: 0.033 ppbv

RT: 13.449 min Scan# 4128

Delta R.T. -0.003 min

Lab File: VL042704.D

Acq: 03 Jul 2025 12:43

Tgt Ion:	180	Resp:	517
Ion Ratio	Lower	Upper	
180	100		
182	134.0	76.7	115.1#
184	22.8	24.4	36.6#

