

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042606.D
 Acq On : 03 Jun 2025 12:30
 Operator : SY/MD
 Sample : Q2126-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 04 01:47:53 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.787	49	102090	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	282273	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	253010	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 192349 10.142 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6668	0.531	ppbv	97
3) Chlorodifluoromethane	1.476	51	9974	0.577	ppbv	98
4) Chloromethane	1.531	50	2671	0.538	ppbv	96
5) Vinyl Chloride	1.580	62	2637	0.521	ppbv	96
6) Bromomethane	1.667	94	1278	0.519	ppbv #	56
7) Chloroethane	1.706	64	869	0.442	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	5757	0.551	ppbv	98
9) Propene	1.482	41	3597	0.517	ppbv	90
10) Heptane	4.975	43	9438m	0.481	ppbv	
11) Trichlorofluoromethane	1.877	101	6787	0.581	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	4890	0.533	ppbv	100
13) Ethanol	1.719	45	981	1.183	ppbv #	45
14) Bromoethene	1.783	108	1830	0.531	ppbv #	94
15) Acetone	1.835	43	8358	0.680	ppbv	94
16) 1,3-Butadiene	1.609	39	3248	0.558	ppbv	94
17) tert-Butyl alcohol	2.042	59	7145	0.558	ppbv #	92
18) 1,1-Dichloroethene	2.033	96	2279	0.536	ppbv	95
19) Isopropyl Alcohol	1.887	45	3768	0.513	ppbv #	53
20) Methylene Chloride	2.062	84	2558	0.630	ppbv	93
21) Allyl Chloride	2.094	41	4659	0.537	ppbv	90
22) trans-1,2-Dichloroethene	2.337	96	2765	0.583	ppbv	91
23) Vinyl Acetate	2.463	43	8217	0.494	ppbv #	88
24) 1,1-Dichloroethane	2.408	63	5627	0.576	ppbv	96
25) Ethyl Acetate	2.839	43	18729	0.557	ppbv	99
26) Hexane	2.826	57	6937	0.454	ppbv #	74
27) Carbon Disulfide	2.149	76	5691	0.485	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	2887	0.465	ppbv #	82
29) Chloroform	2.848	83	11410	0.574	ppbv	92
30) Cyclohexane	3.852	84	6036m	0.476	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	7957	0.569	ppbv	91
32) 1,1,1-Trichloroethane	3.366	97	10547	0.519	ppbv	94
34) 2-Butanone	2.560	43	12502	0.621	ppbv	99
35) Carbon Tetrachloride	3.761	117	10776	0.578	ppbv	89
36) Benzene	3.658	78	15107	0.543	ppbv	97
37) 1,2-Dichloroethane	3.221	62	8513	0.616	ppbv	97
38) Trichloroethene	4.548	130	6021	0.510	ppbv #	88
39) 1,2-Dichloropropane	4.315	63	5853	0.569	ppbv #	86
40) 1,4-Dioxane	4.609	88	2986m	0.649	ppbv	
41) Tetrahydrofuran	3.065	42	5847	0.496	ppbv #	92
42) Bromodichloromethane	4.486	83	11336	0.578	ppbv #	90
43) Methyl Methacrylate	4.884	69	5404m	0.501	ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	25186	0.530	ppbv	97
45) t-1,3-Dichloropropene	6.418	75	5860m	0.475	ppbv	

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Manual Integrations
 APPROVED

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

Quant Time: Jun 04 01:47:53 2025

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

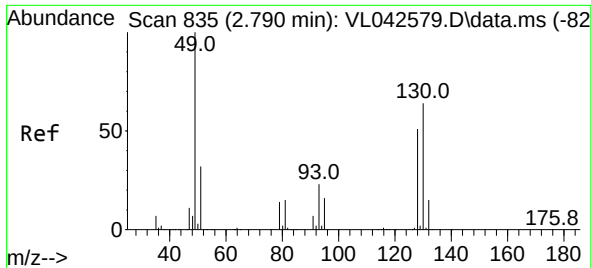
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

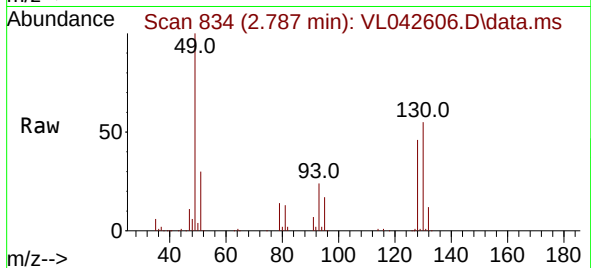
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	7412m	0.479	ppbv	
47) 1,1,2-Trichloroethane	6.577	97	5736m	0.539	ppbv	
48) Dibromochloromethane	7.383	129	9168m	0.538	ppbv	
49) Bromoform	9.483	173	7309	0.497	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	13842m	0.496	ppbv	
51) 2-Hexanone	7.448	43	9544	0.431	ppbv #	95
52) Tetrachloroethene	8.224	164	5119	0.493	ppbv	94
53) Toluene	6.933	91	15538	0.484	ppbv	97
54) 1,2-Dibromoethane	7.652	107	8170	0.519	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.920	131	7220	0.568	ppbv #	1
57) Chlorobenzene	8.920	112	13677	0.557	ppbv	94
58) Ethyl Benzene	9.357	91	20163	0.470	ppbv	95
59) m/p-Xylene	9.551	91	32309m	0.957	ppbv	
60) o-Xylene	9.966	91	16108	0.478	ppbv	99
61) Styrene	9.872	104	6236	0.392	ppbv #	89
62) Isopropylbenzene	10.542	105	25034	0.503	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.962	83	12026	0.561	ppbv	97
64) n-propylbenzene	10.988	120	6377	0.478	ppbv	94
65) tert-Butylbenzene	11.532	119	21719	0.481	ppbv	96
66) Benzyl Chloride	11.613	91	2151	0.370	ppbv #	96
67) sec-Butylbenzene	11.769	105	32248	0.508	ppbv	96
69) p-Isopropyltoluene	11.927	119	24672	0.464	ppbv	97
70) n-Butylbenzene	12.283	91	24548	0.468	ppbv	97
71) 2-Chlorotoluene	10.901	91	18913	0.498	ppbv	97
72) 4-Ethyltoluene	11.124	105	19093	0.455	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.202	105	16443	0.473	ppbv	95
74) 1,2,4-Trimethylbenzene	11.535	105	18926	0.491	ppbv #	90
75) 1,3-Dichlorobenzene	11.607	146	13116	0.541	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	12007	0.497	ppbv	94
77) 1,2-Dichlorobenzene	11.950	146	13433	0.571	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	11543	0.593	ppbv	100
79) Naphthalene	13.516	128	14320	0.394	ppbv	98
80) Naphthalene,2-methyl-	14.461	142	4406	0.268	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	7898	0.389	ppbv	96

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 835
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

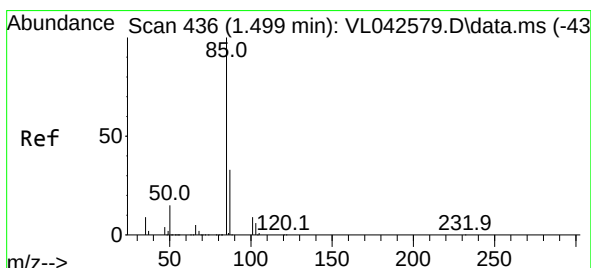
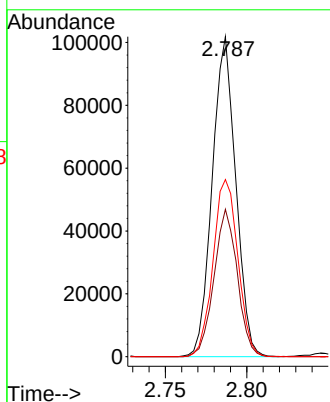
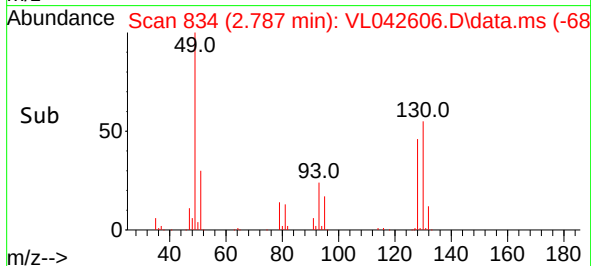
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



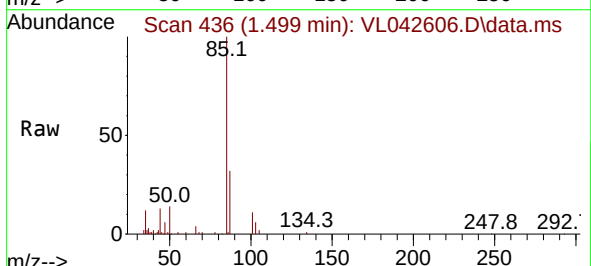
Tgt Ion: 49 Resp: 102090
Ion Ratio Lower Upper
49 100
128 45.7 24.2 72.6
130 58.5 30.4 91.2

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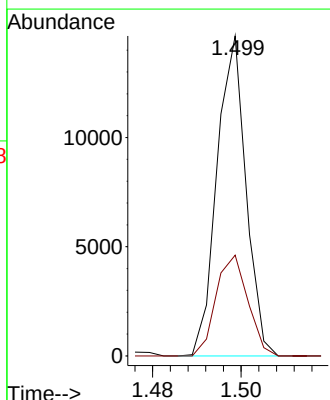
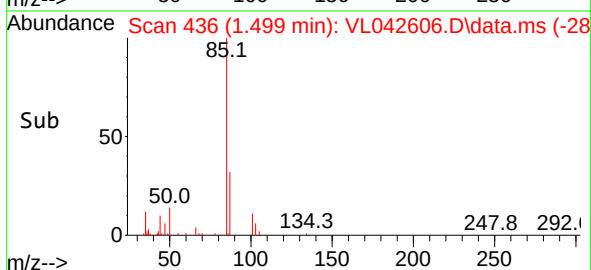
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

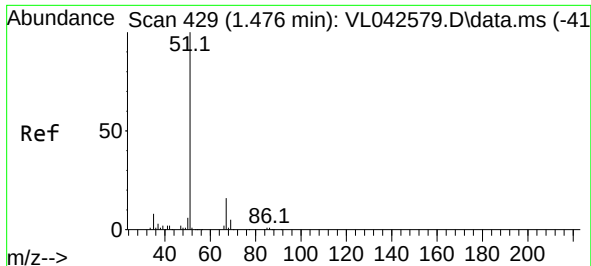


#2
Dichlorodifluoromethane
Concen: 0.531 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



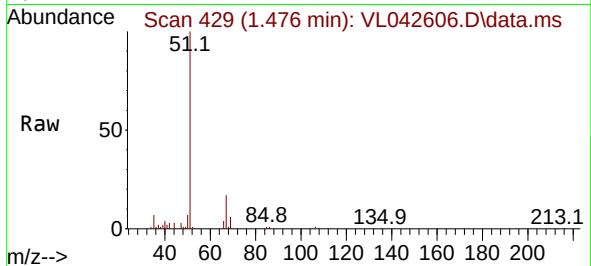
Tgt Ion: 85 Resp: 6668
Ion Ratio Lower Upper
85 100
87 31.5 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.577 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

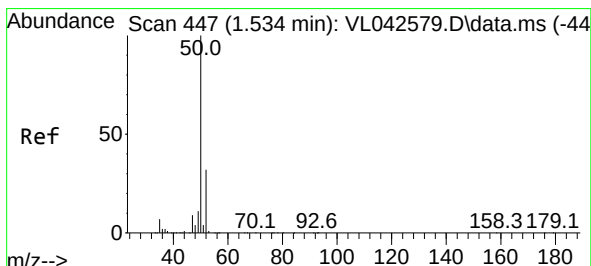
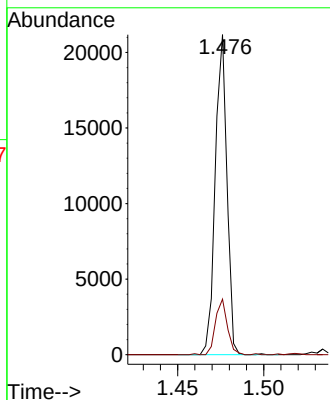
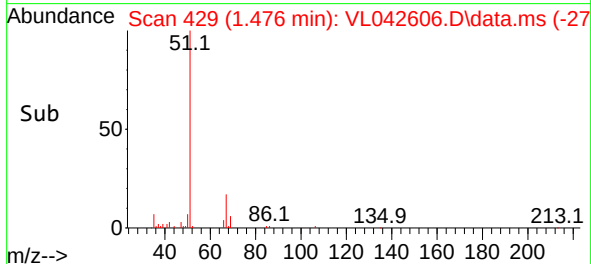
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



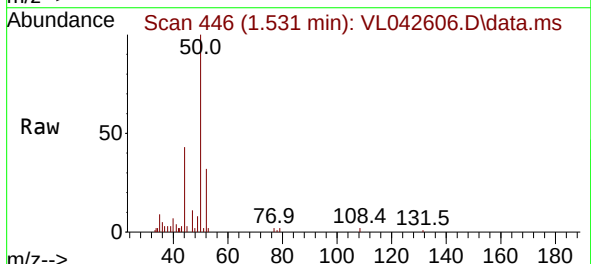
Tgt Ion: 51 Resp: 9974
Ion Ratio Lower Upper
51 100
67 17.9 13.4 20.2

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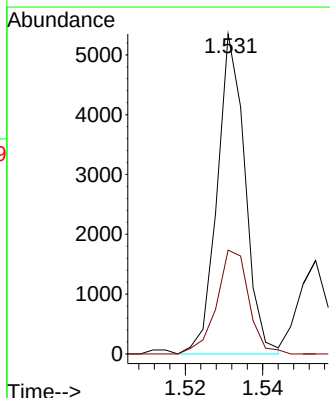
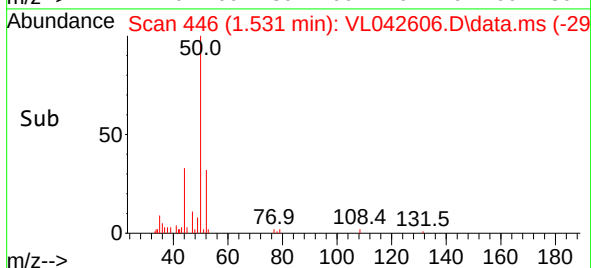
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

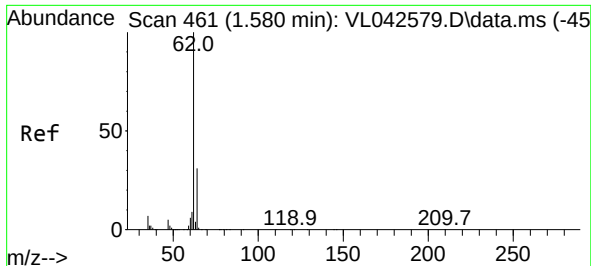


#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



Tgt Ion: 50 Resp: 2671
Ion Ratio Lower Upper
50 100
52 34.7 25.8 38.6





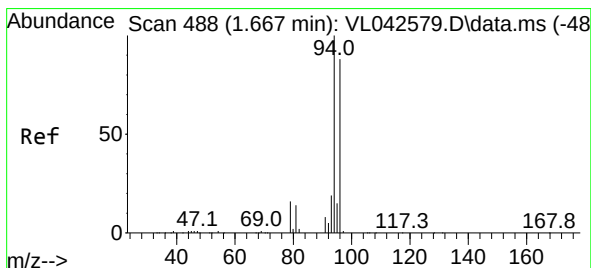
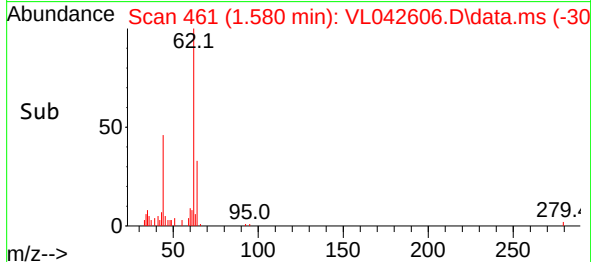
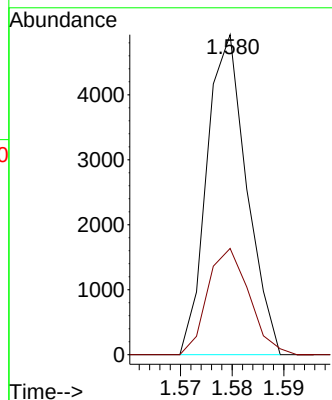
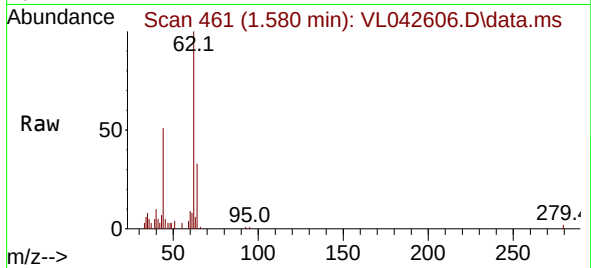
#5
 Vinyl Chloride
 Concen: 0.521 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

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

Tgt Ion: 62 Resp: 263
 Ion Ratio Lower Upper
 62 100
 64 33.2 24.9 37.3

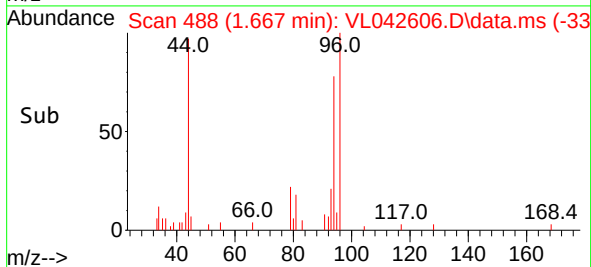
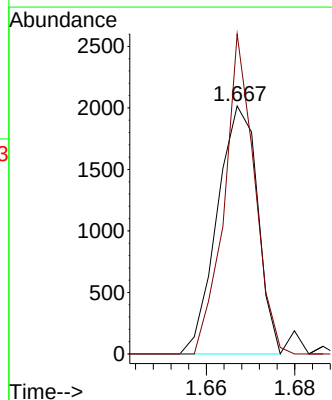
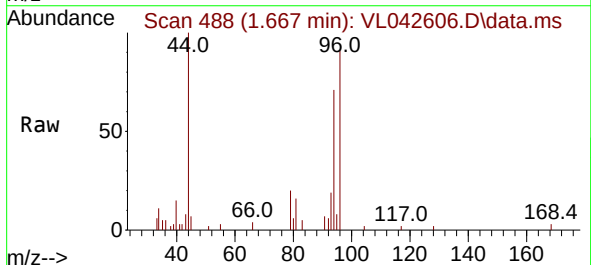
Manual Integrations
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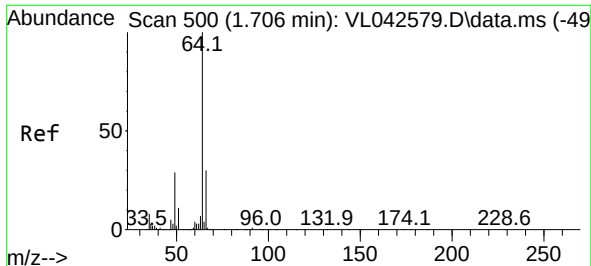
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#6
 Bromomethane
 Concen: 0.519 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

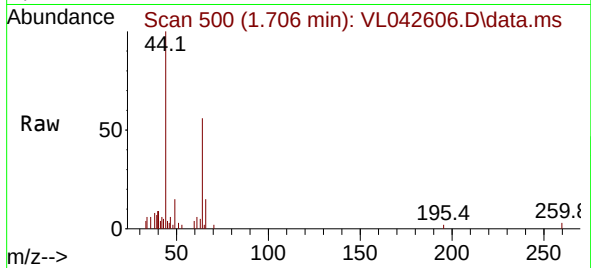
Tgt Ion: 94 Resp: 1278
 Ion Ratio Lower Upper
 94 100
 96 129.0 70.7 106.1#





#7
Chloroethane
Concen: 0.442 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

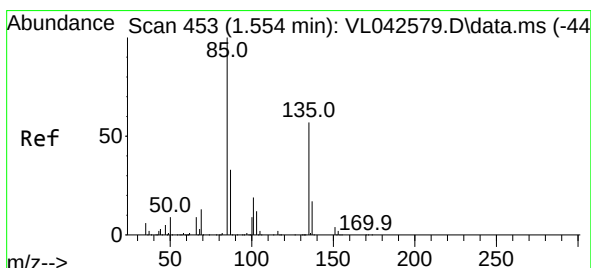
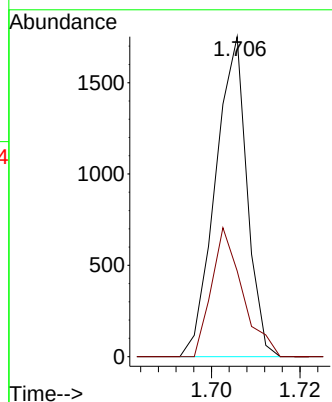
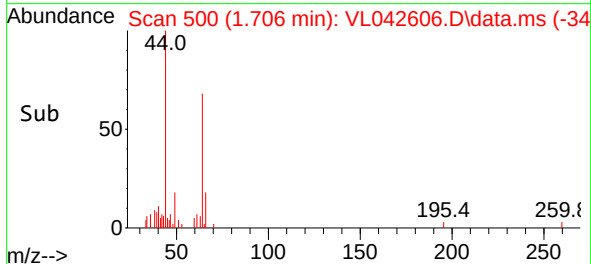
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 64 Resp: 869
Ion Ratio Lower Upper
64 100
66 26.8 24.3 36.5

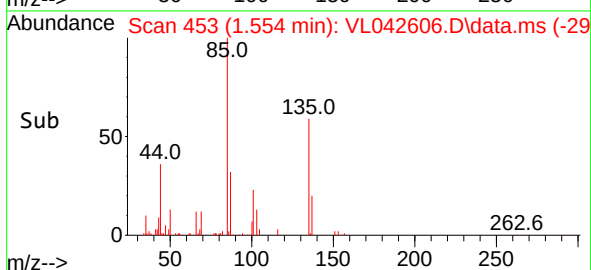
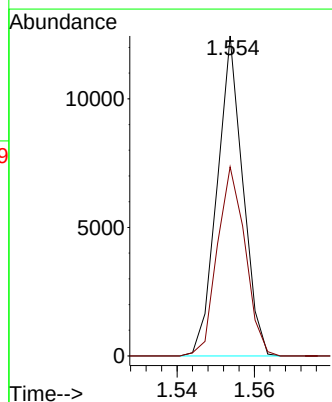
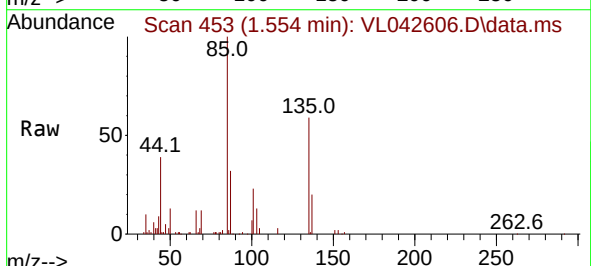
Manual Integrations
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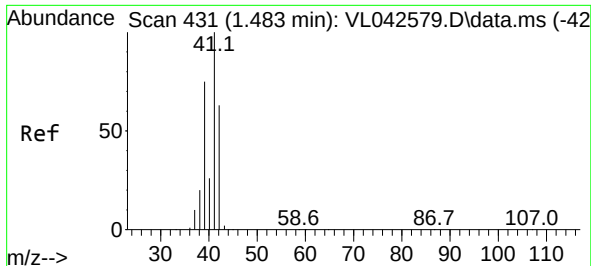
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#8
Dichlorotetrafluoroethane
Concen: 0.551 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion: 85 Resp: 5757
Ion Ratio Lower Upper
85 100
135 64.1 50.2 75.4





#9

Propene

Concen: 0.517 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

Tgt Ion: 41 Resp: 359

Ion Ratio Lower Upper

41 100

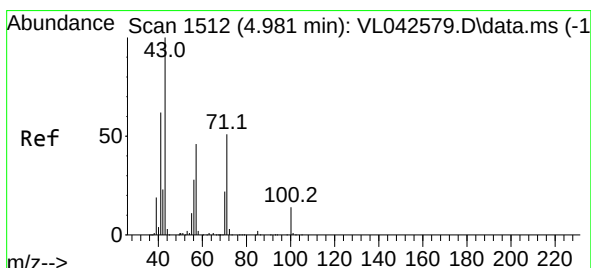
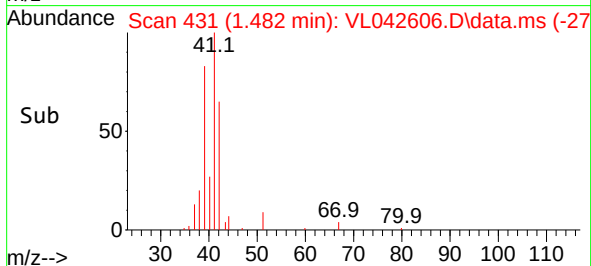
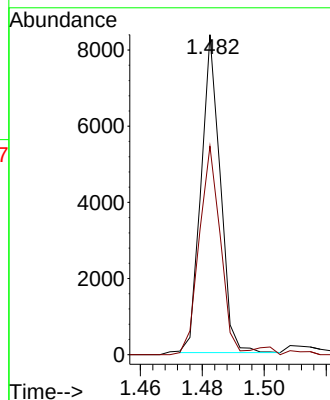
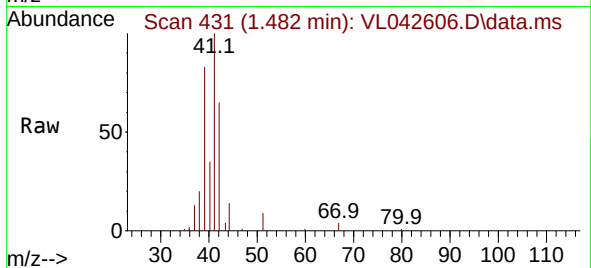
42 74.5 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#10

Heptane

Concen: 0.481 ppbv m

RT: 4.975 min Scan# 1510

Delta R.T. -0.007 min

Lab File: VL042606.D

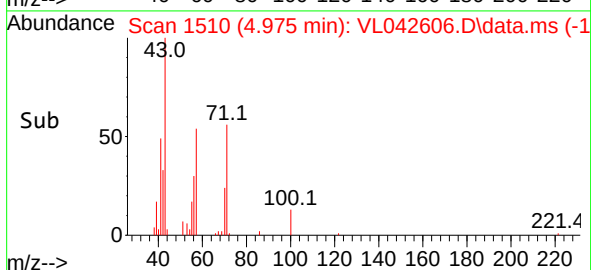
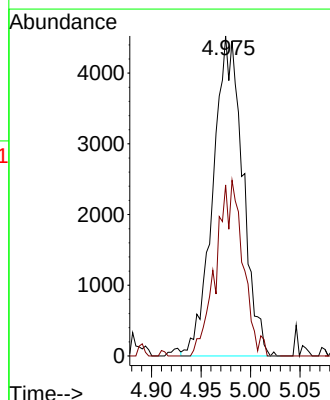
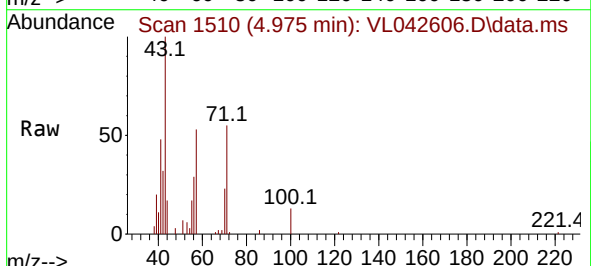
Acq: 03 Jun 2025 12:30

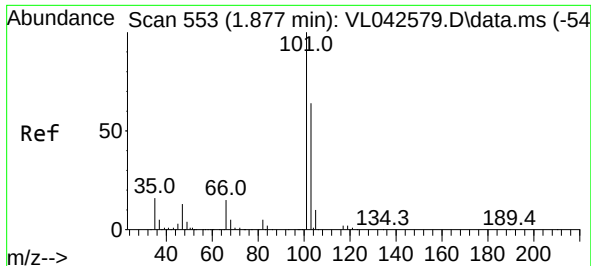
Tgt Ion: 43 Resp: 9438

Ion Ratio Lower Upper

43 100

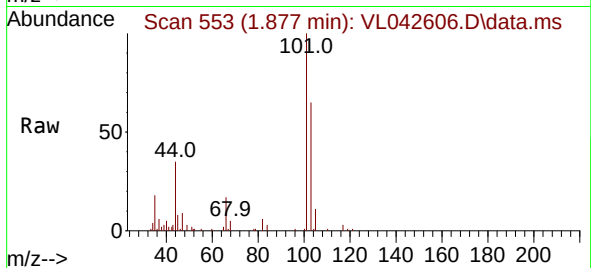
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#11
 Trichlorofluoromethane
 Concen: 0.581 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

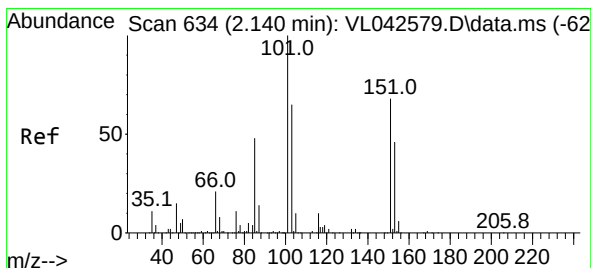
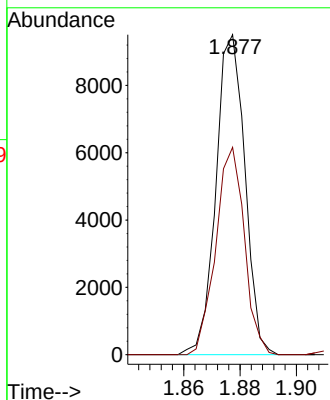
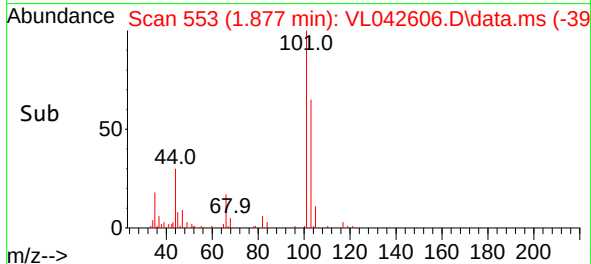
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



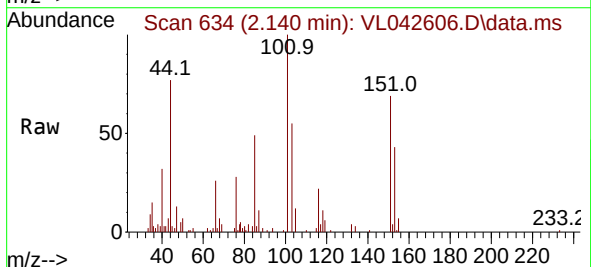
Tgt Ion:101 Resp: 678
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.5 77.3

Manual Integrations
 APPROVED

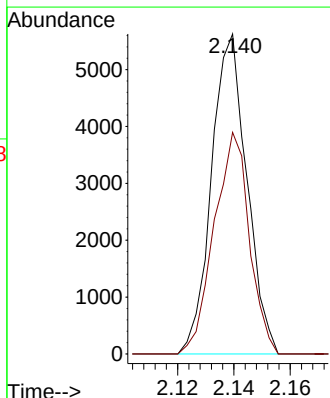
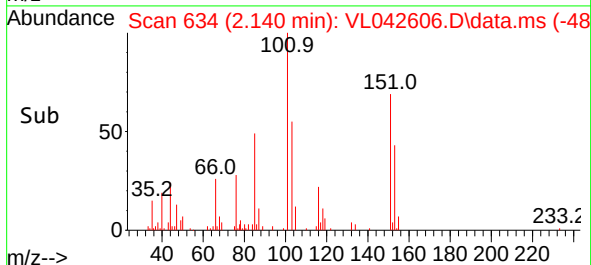
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

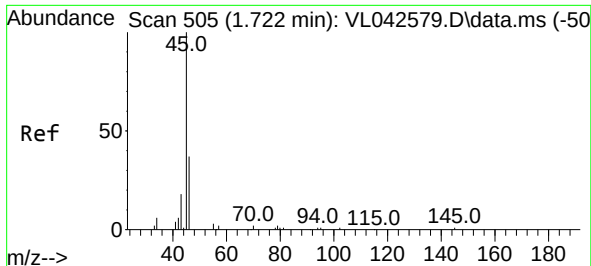


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.533 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30



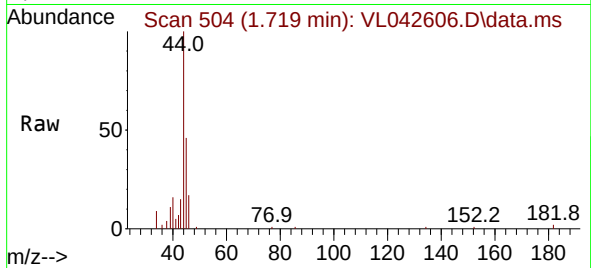
Tgt Ion:101 Resp: 4890
 Ion Ratio Lower Upper
 101 100
 151 69.0 55.3 82.9





#13
Ethanol
Concen: 1.183 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

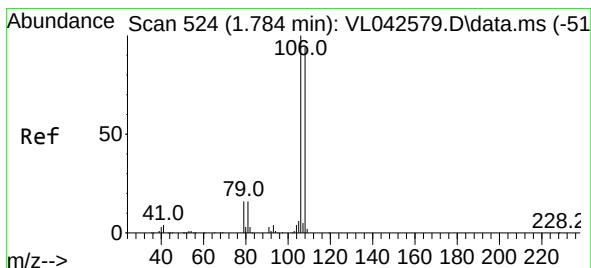
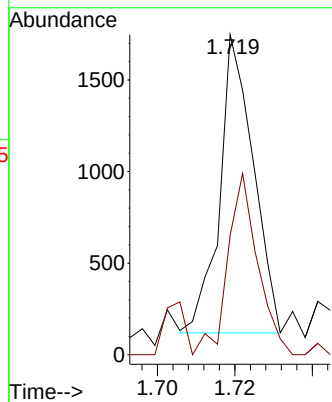
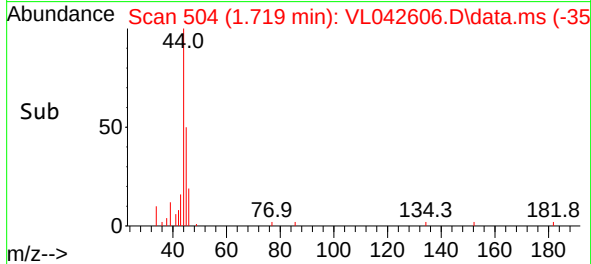
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



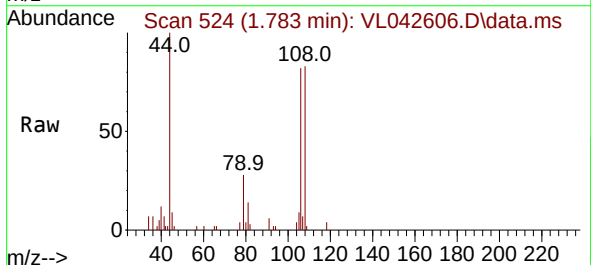
Tgt Ion: 45 Resp: 98
Ion Ratio Lower Upper
45 100
46 68.5 14.5 58.1

Manual Integrations
APPROVED

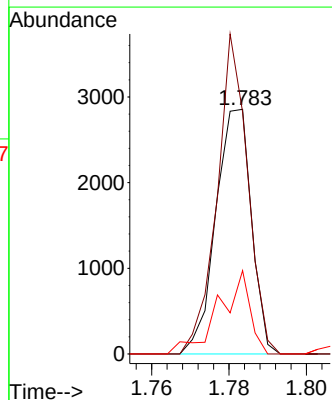
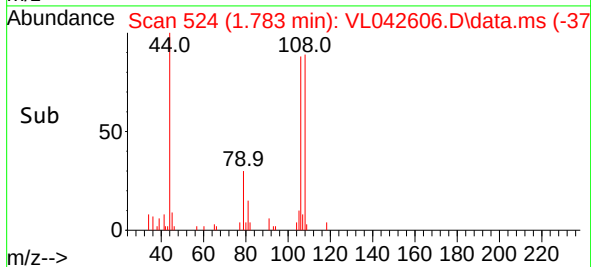
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

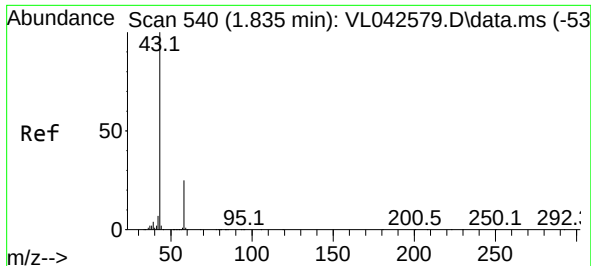


#14
Bromoethene
Concen: 0.531 ppbv
RT: 1.783 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



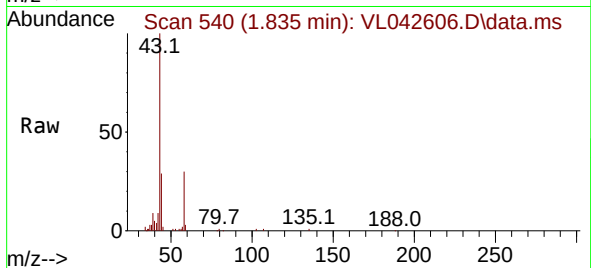
Tgt Ion:108 Resp: 1830
Ion Ratio Lower Upper
108 100
106 112.0 87.9 131.9
79 33.8 15.6 23.4





#15
Acetone
Concen: 0.680 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

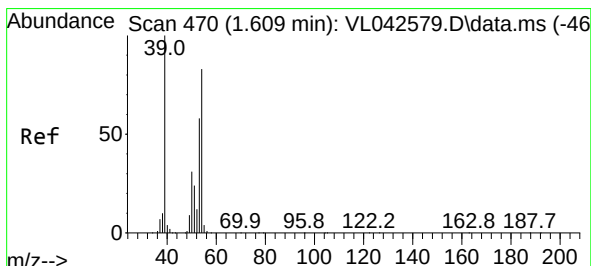
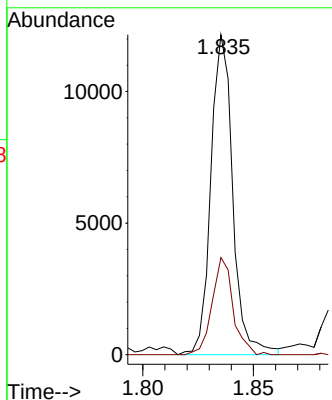
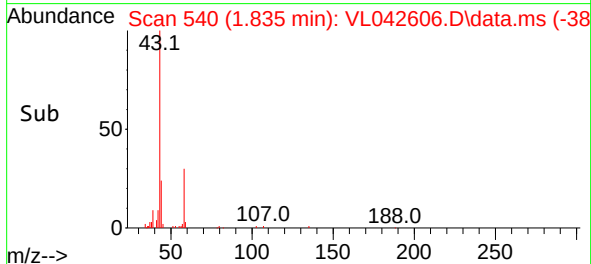
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



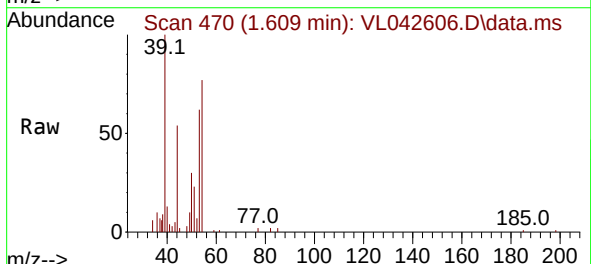
Tgt Ion: 43 Resp: 8358
Ion Ratio Lower Upper
43 100
58 29.1 21.0 31.4

Manual Integrations
APPROVED

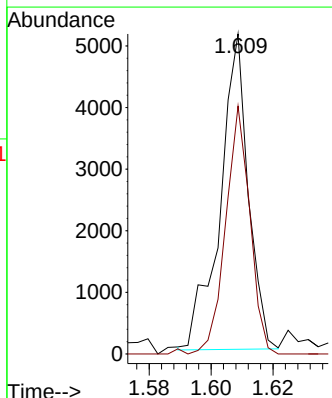
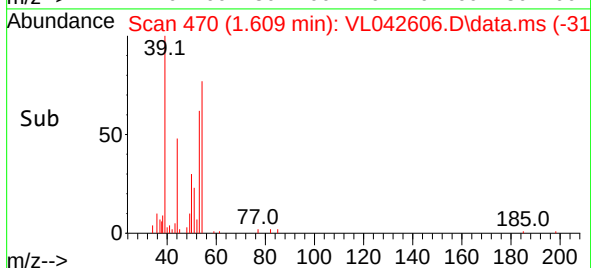
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

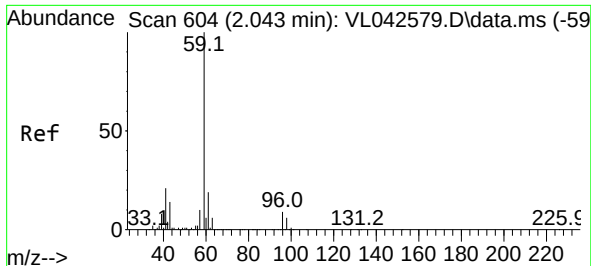


#16
1,3-Butadiene
Concen: 0.558 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



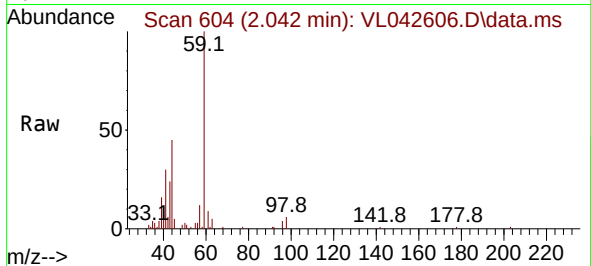
Tgt Ion: 39 Resp: 3248
Ion Ratio Lower Upper
39 100
54 67.7 57.9 86.9





#17
tert-Butyl alcohol
Concen: 0.558 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

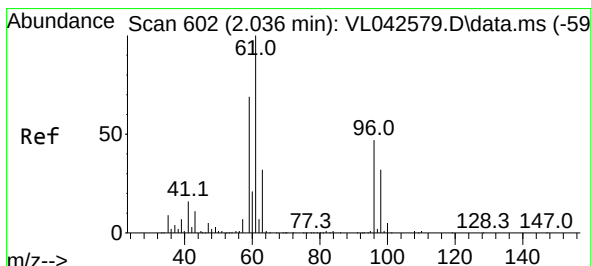
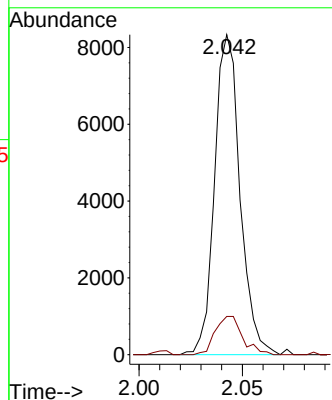
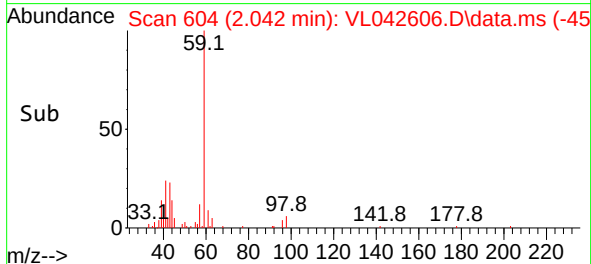
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



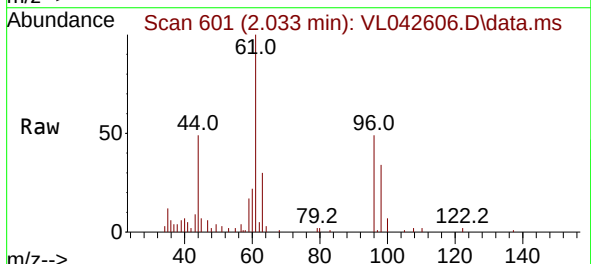
Tgt Ion: 59 Resp: 7145
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8

Manual Integrations
APPROVED

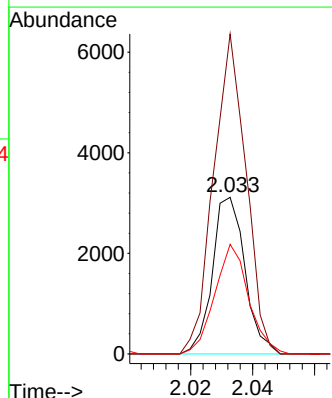
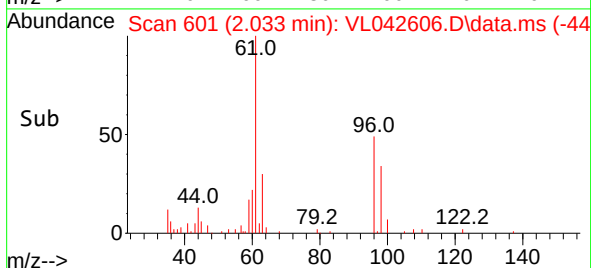
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

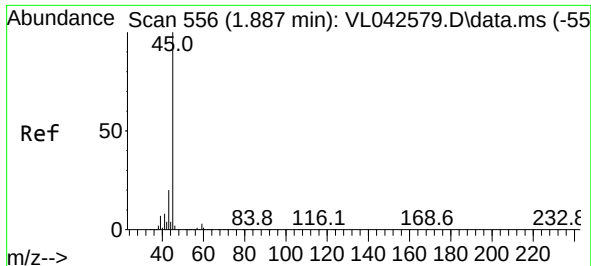


#18
1,1-Dichloroethene
Concen: 0.536 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



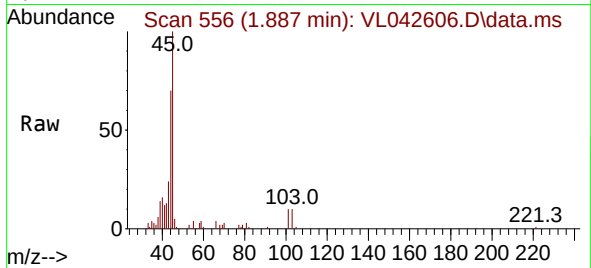
Tgt Ion: 96 Resp: 2279
Ion Ratio Lower Upper
96 100
61 204.2 171.1 256.7
98 70.0 54.4 81.6





#19
Isopropyl Alcohol
Concen: 0.513 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

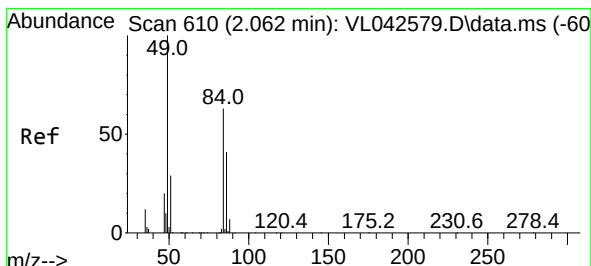
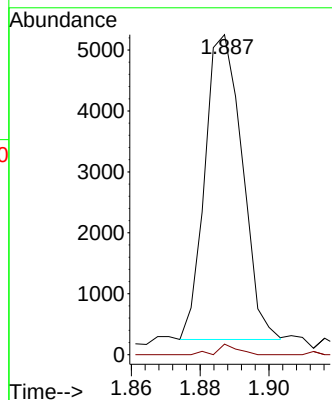
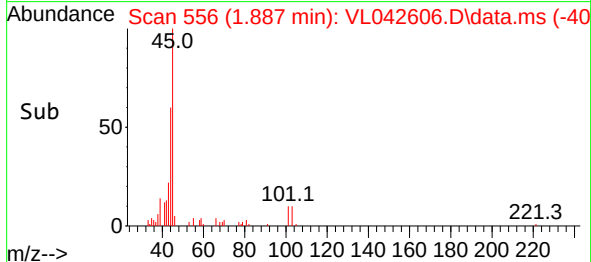
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



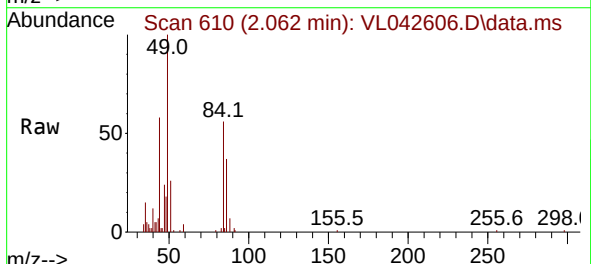
Tgt Ion: 45 Resp: 3768
Ion Ratio Lower Upper
45 100
58 64.5 29.4 44.2

Manual Integrations
APPROVED

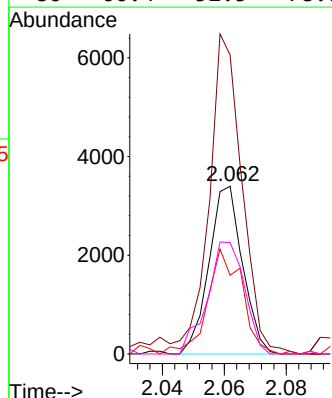
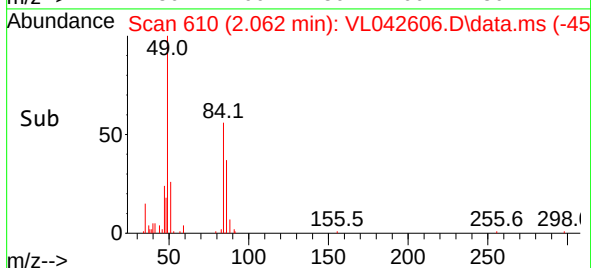
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

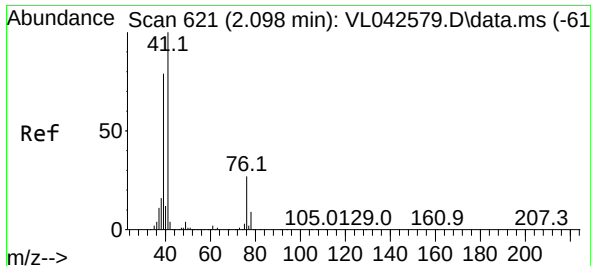


#20
Methylene Chloride
Concen: 0.630 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



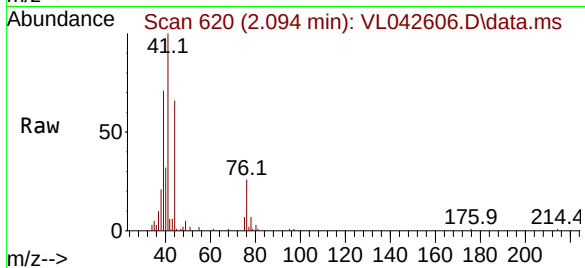
Tgt Ion: 84 Resp: 2558
Ion Ratio Lower Upper
84 100
49 174.6 128.8 193.2
51 47.0 38.6 57.8
86 66.4 52.5 78.7





#21
 Allyl Chloride
 Concen: 0.537 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

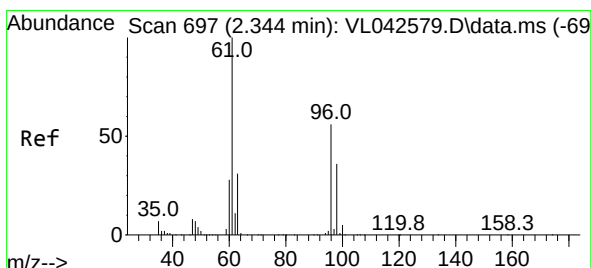
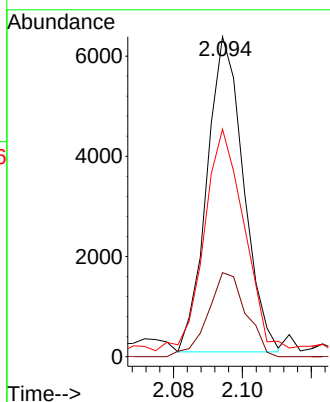
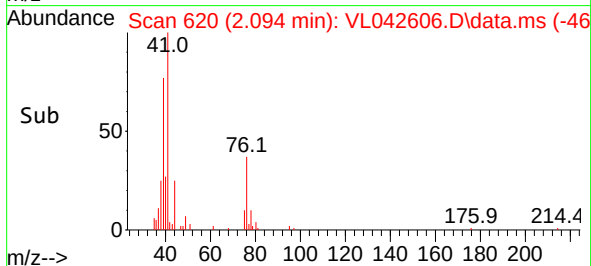
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



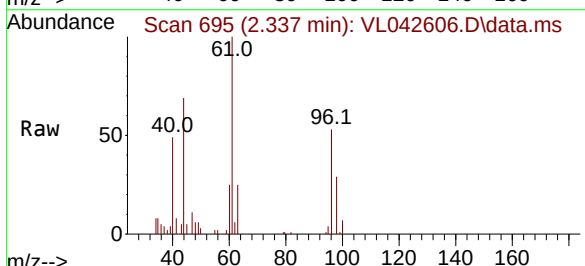
Tgt Ion: 41 Resp: 4659
 Ion Ratio Lower Upper
 41 100
 76 27.6 21.2 31.8
 39 86.7 60.9 91.3

Manual Integrations
 APPROVED

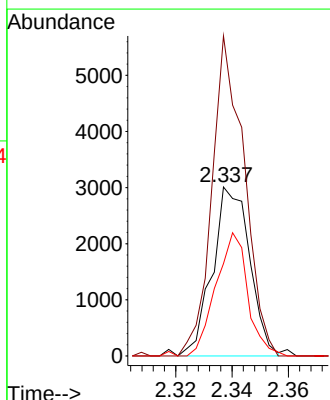
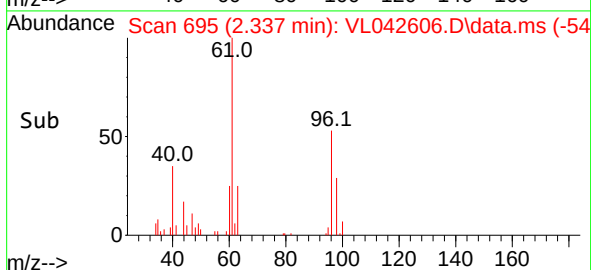
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

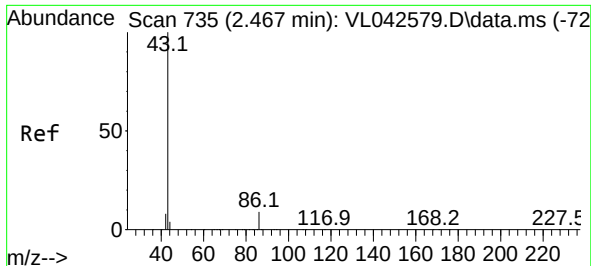


#22
 trans-1,2-Dichloroethene
 Concen: 0.583 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.007 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30



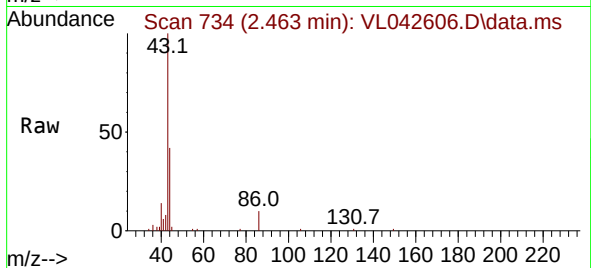
Tgt Ion: 96 Resp: 2765
 Ion Ratio Lower Upper
 96 100
 61 189.4 142.6 214.0
 98 54.6 51.0 76.4





#23
 Vinyl Acetate
 Concen: 0.494 ppbv
 RT: 2.463 min Scan# 711
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

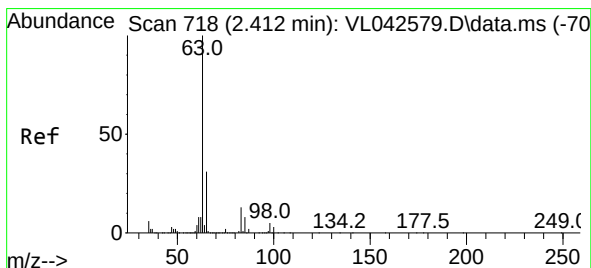
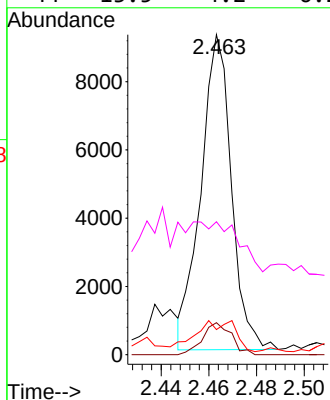
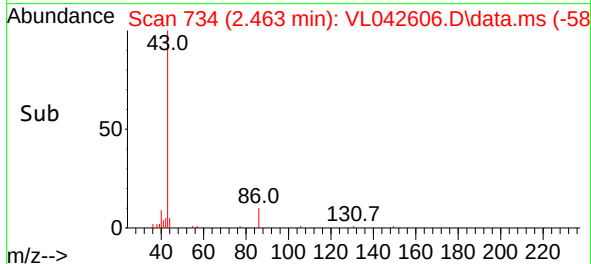
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion:	43	Resp:	821
Ion	Ratio	Lower	Upper
43	100		
86	10.2	6.6	9.8
42	4.7	7.0	10.4
44	13.5	4.2	6.2

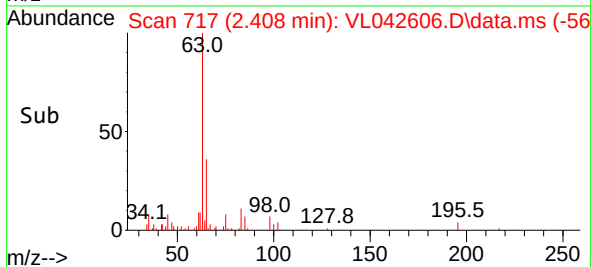
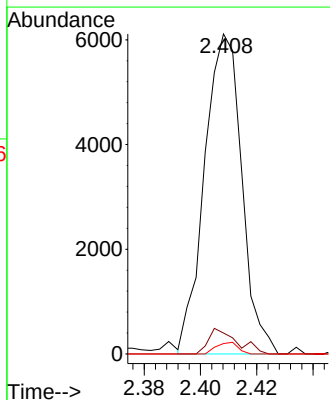
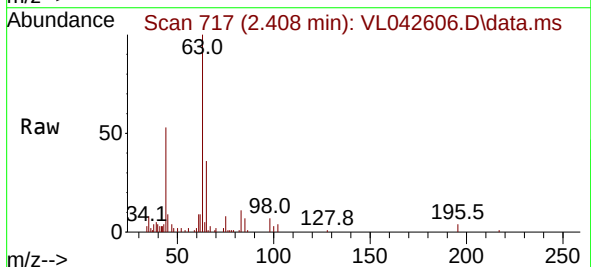
Manual Integrations
 APPROVED

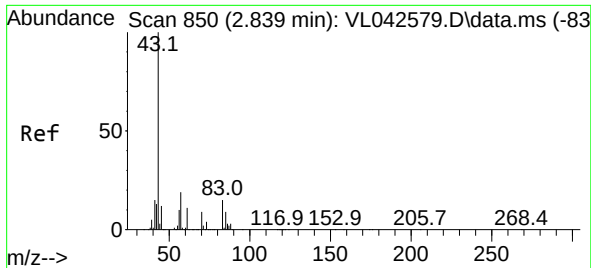
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#24
 1,1-Dichloroethane
 Concen: 0.576 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

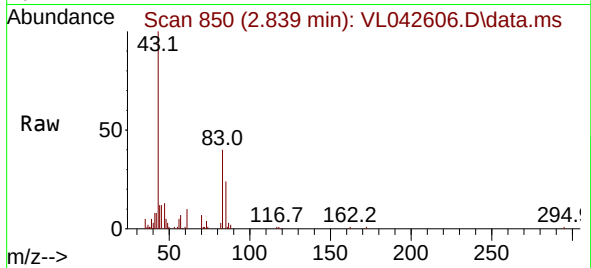
Tgt Ion:	63	Resp:	5627
Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.4	7.1
100	3.3	1.4	4.0





#25
Ethyl Acetate
Concen: 0.557 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

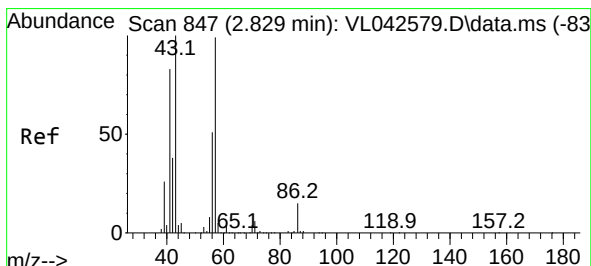
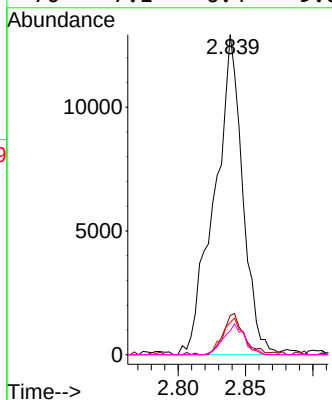
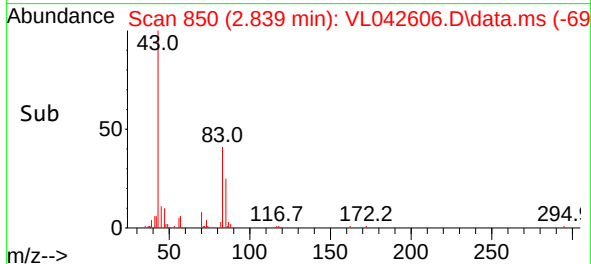
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 18729
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 8.2 7.1 10.7
70 7.1 6.4 9.6

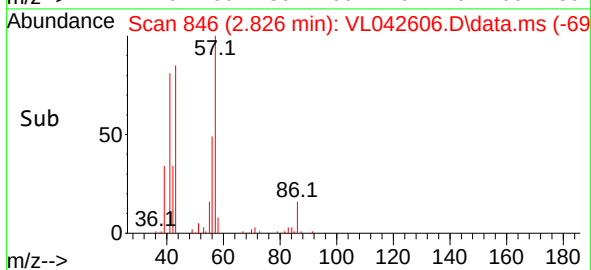
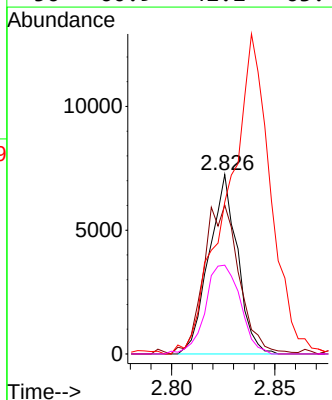
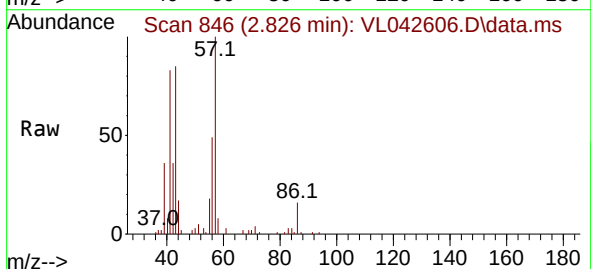
Manual Integrations
APPROVED

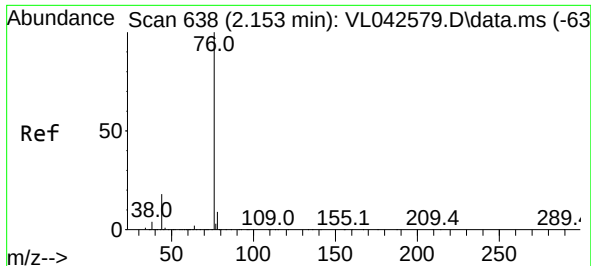
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#26
Hexane
Concen: 0.454 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

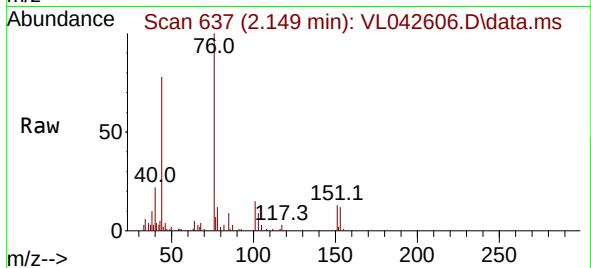
Tgt Ion: 57 Resp: 6937
Ion Ratio Lower Upper
57 100
41 106.0 70.6 106.0
43 278.9 181.1 271.7#
56 60.9 42.2 63.4





#27
Carbon Disulfide
Concen: 0.485 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

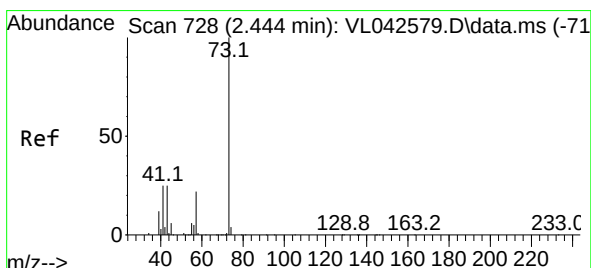
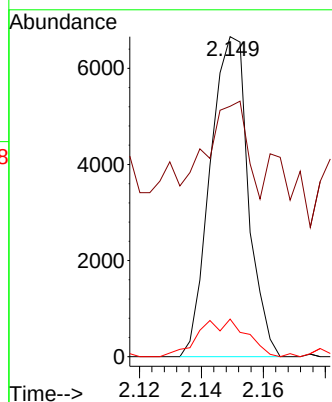
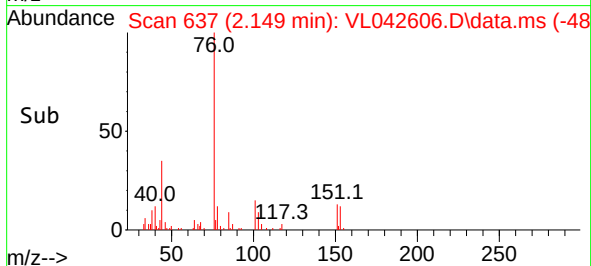
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 76 Resp: 569
Ion Ratio Lower Upper
76 100
44 125.8 21.3 31.9
78 15.9 9.4 14.0

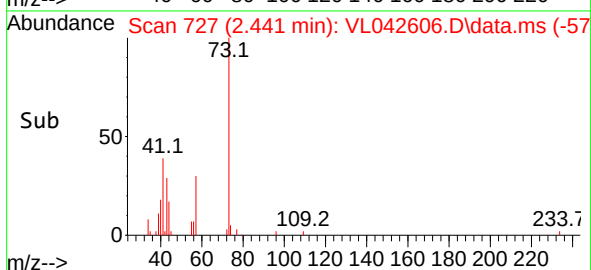
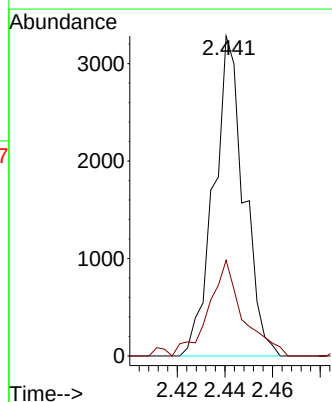
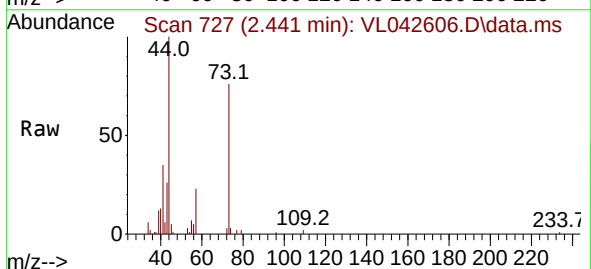
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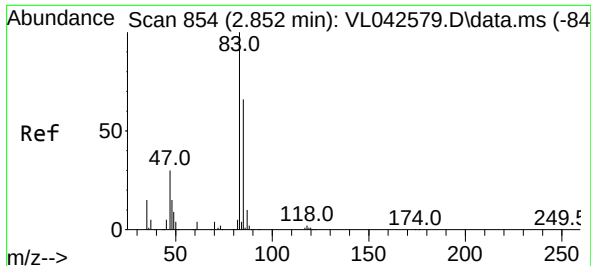
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#28
Methyl tert-Butyl Ether
Concen: 0.465 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion: 73 Resp: 2887
Ion Ratio Lower Upper
73 100
57 33.8 19.9 29.9





#29

Chloroform

Concen: 0.574 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042606.D

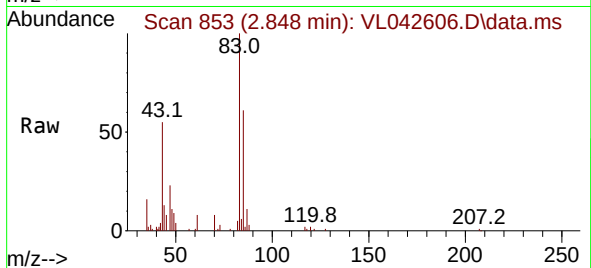
Acq: 03 Jun 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

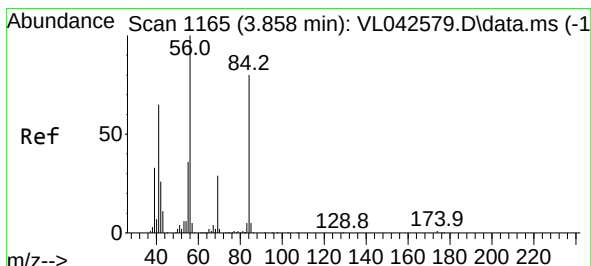
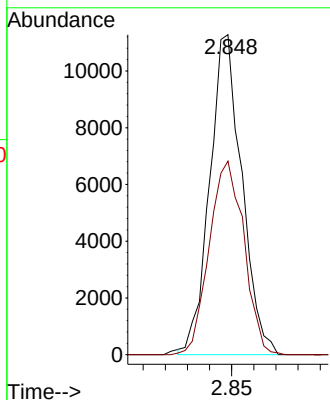
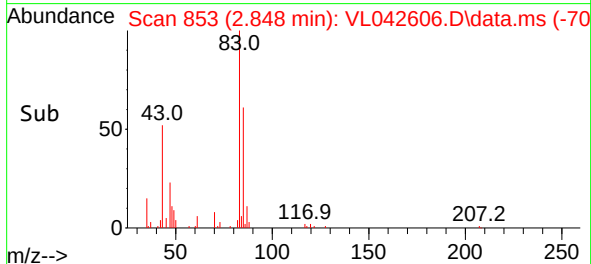
LOQ-AIR-02-QT2-2025



Tgt Ion: 83 Resp: 11410
 Ion Ratio Lower Upper
 83 100
 85 60.0 52.8 79.2

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



#30

Cyclohexane

Concen: 0.476 ppbv m

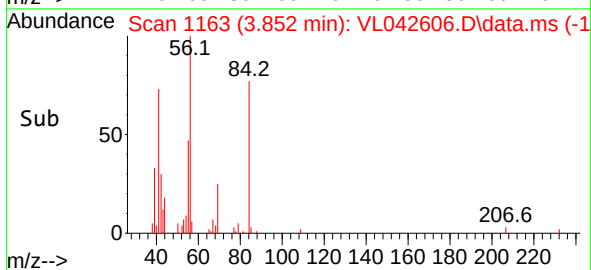
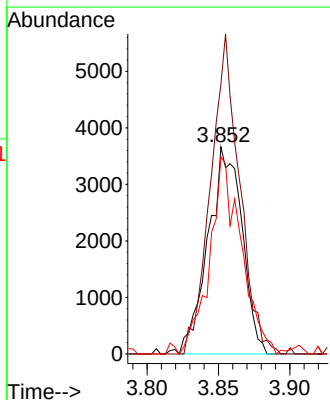
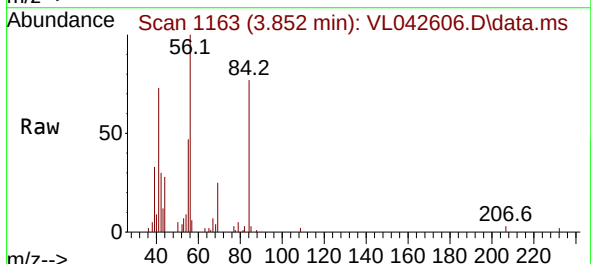
RT: 3.852 min Scan# 1163

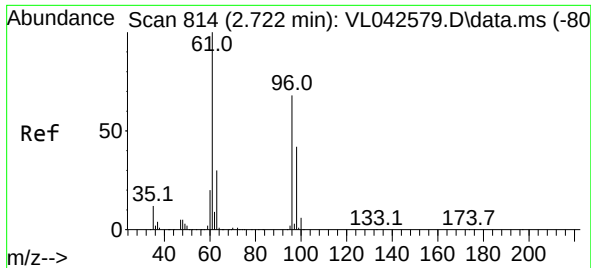
Delta R.T. -0.007 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

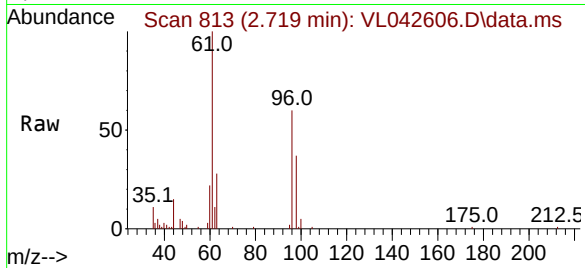
Tgt Ion: 84 Resp: 6036
 Ion Ratio Lower Upper
 84 100
 56 0.0 103.7 155.5#
 41 91.7 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 0.569 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

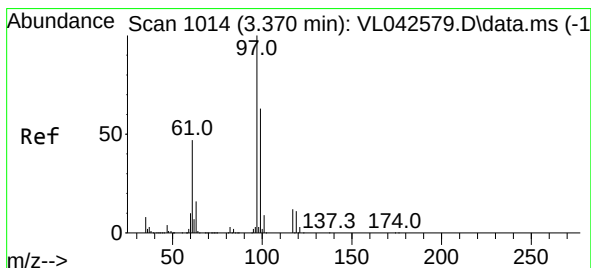
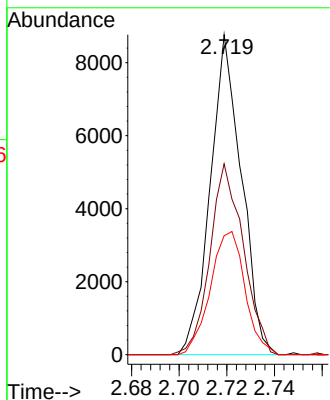
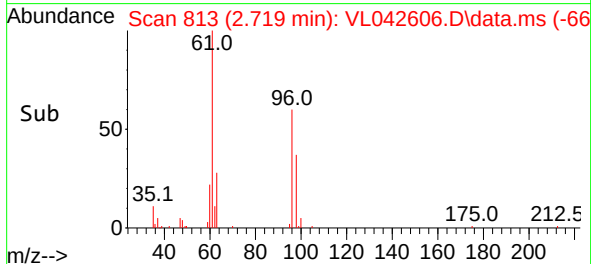
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 61 Resp: 795
 Ion Ratio Lower Upper
 61 100
 96 59.7 54.5 81.7
 98 37.1 33.4 50.2

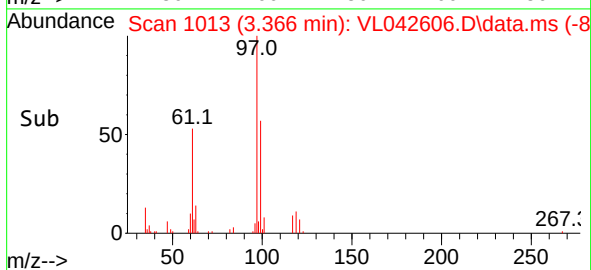
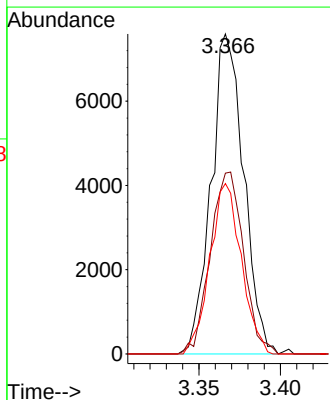
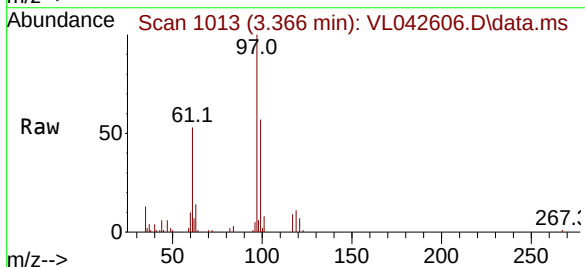
Manual Integrations
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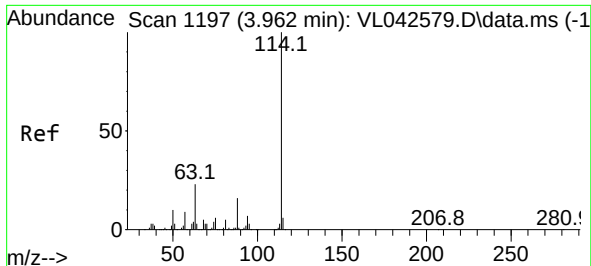
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.519 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

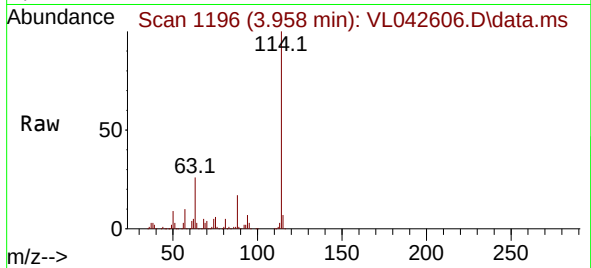
Tgt Ion: 97 Resp: 10547
 Ion Ratio Lower Upper
 97 100
 99 58.0 51.0 76.6
 61 51.4 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1197
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

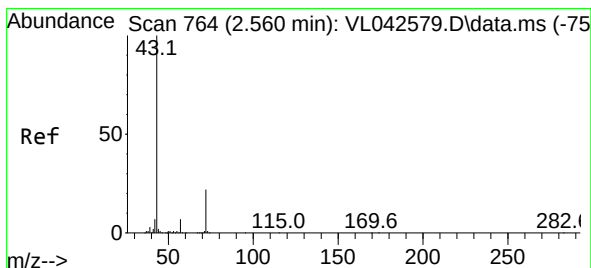
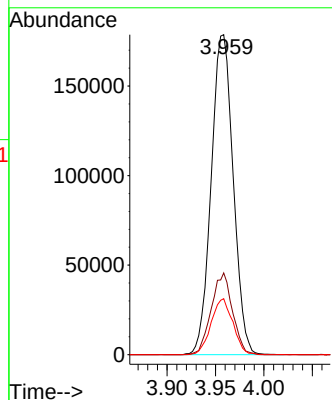
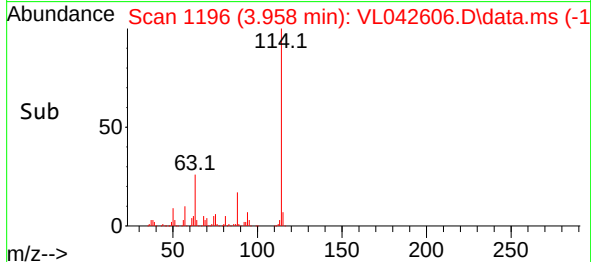
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion:114 Resp: 28227
Ion Ratio Lower Upper
114 100
63 24.7 19.0 28.6
88 17.3 13.6 20.4

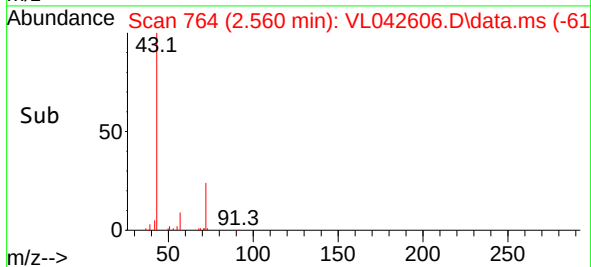
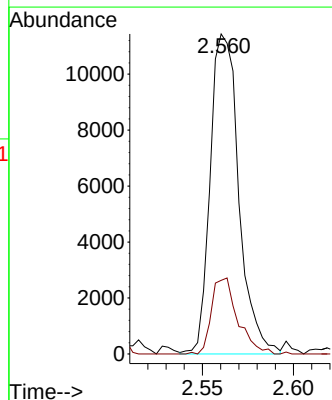
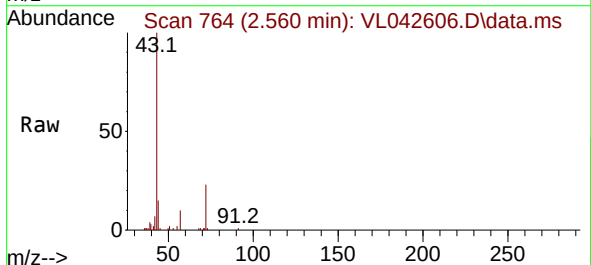
Manual Integrations
APPROVED

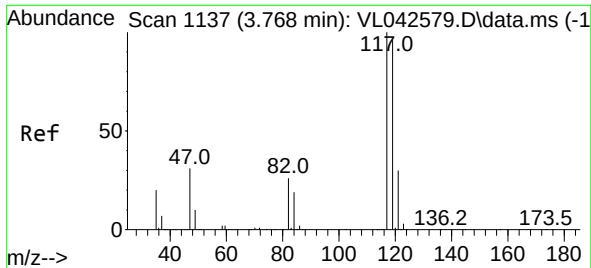
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#34
2-Butanone
Concen: 0.621 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

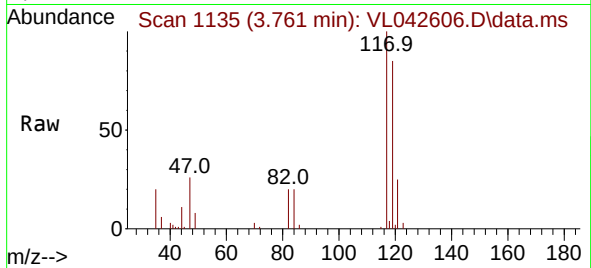
Tgt Ion: 43 Resp: 12502
Ion Ratio Lower Upper
43 100
72 21.8 17.7 26.5





#35
Carbon Tetrachloride
Concen: 0.578 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

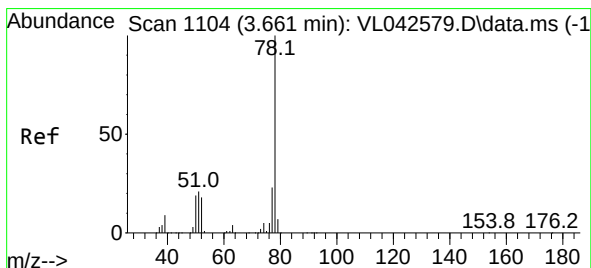
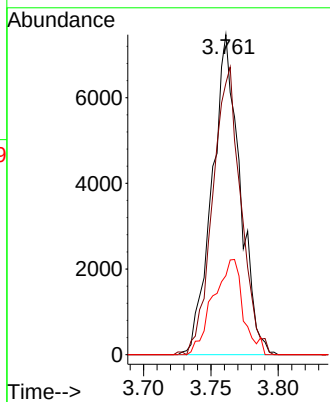
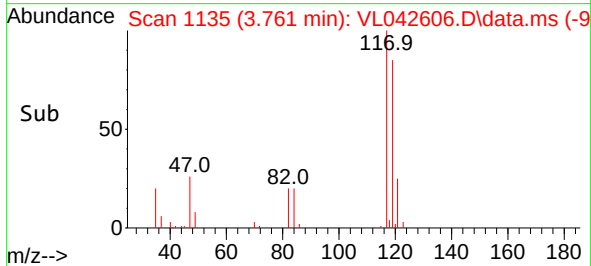
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion:117 Resp: 10770
Ion Ratio Lower Upper
117 100
119 84.8 76.8 115.2
121 24.7 24.3 36.5

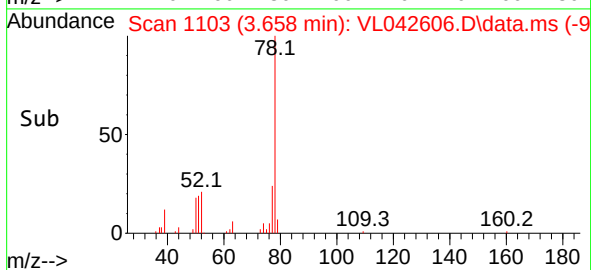
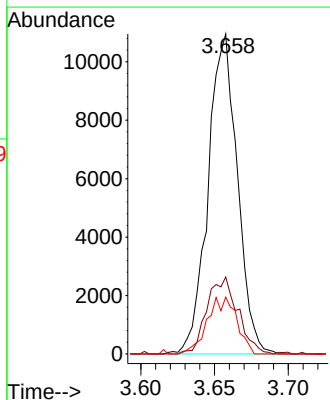
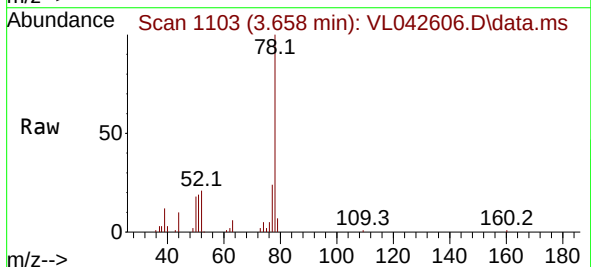
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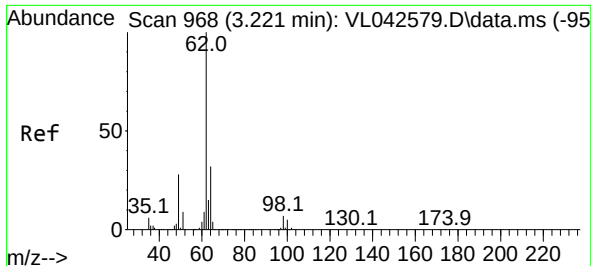
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#36
Benzene
Concen: 0.543 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion: 78 Resp: 15107
Ion Ratio Lower Upper
78 100
77 24.1 18.2 27.2
50 17.7 15.2 22.8





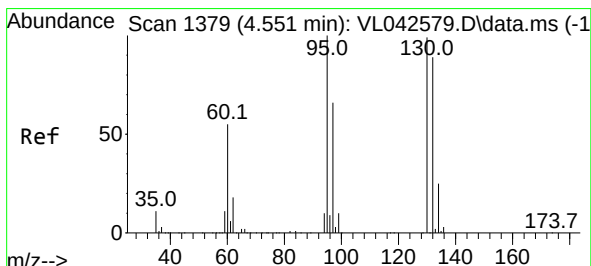
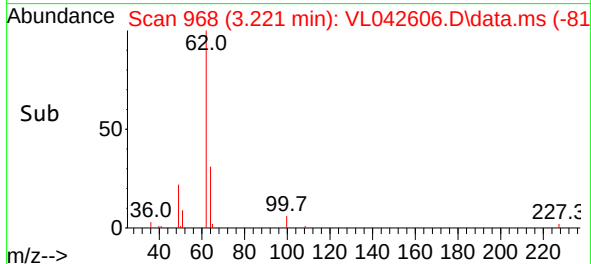
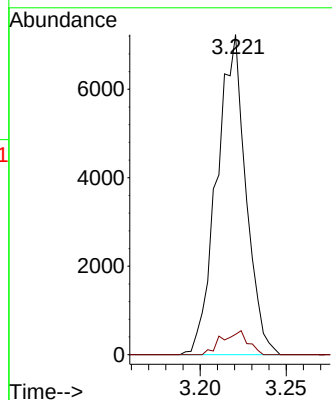
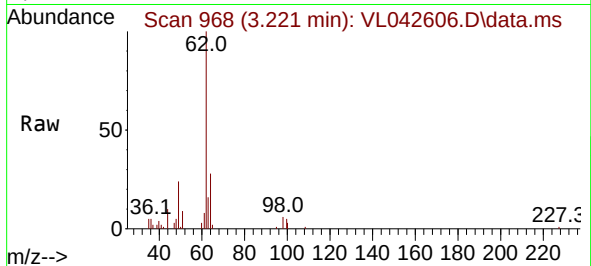
#37
1,2-Dichloroethane
Concen: 0.616 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

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

Tgt Ion: 62 Resp: 851
Ion Ratio Lower Upper
62 100
98 6.7 6.1 9.1

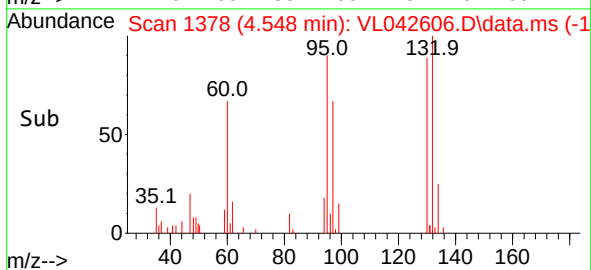
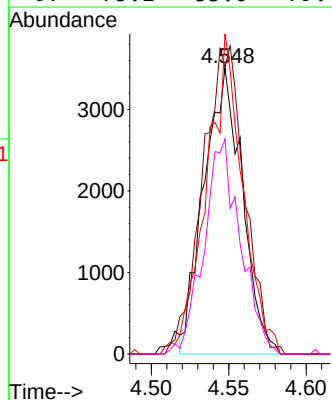
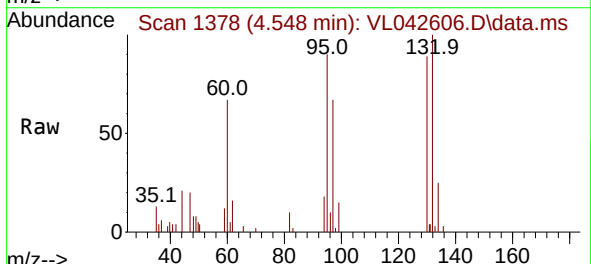
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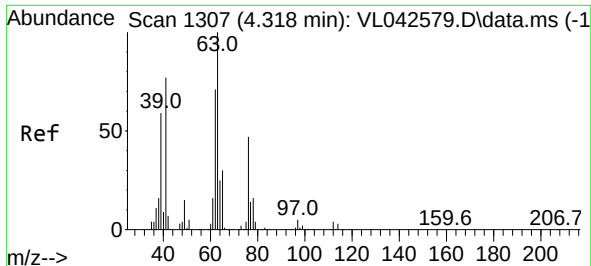
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#38
Trichloroethene
Concen: 0.510 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion:130 Resp: 6021
Ion Ratio Lower Upper
130 100
95 97.7 80.6 121.0
132 111.9 71.8 107.6#
97 75.1 53.0 79.4





#39

1,2-Dichloropropane

Concen: 0.569 ppbv

RT: 4.315 min Scan# 1307

Delta R.T. -0.003 min

Lab File: VL042606.D

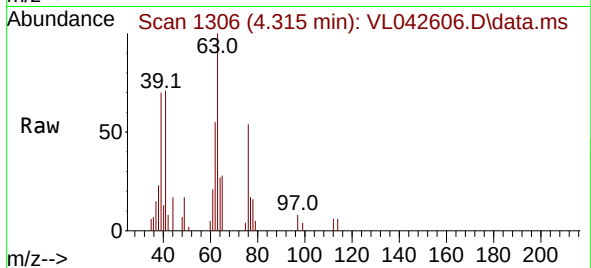
Acq: 03 Jun 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

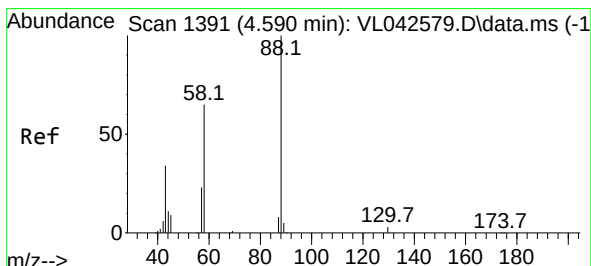
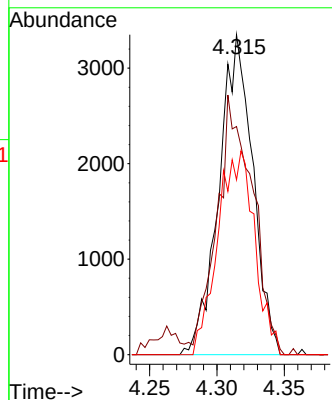
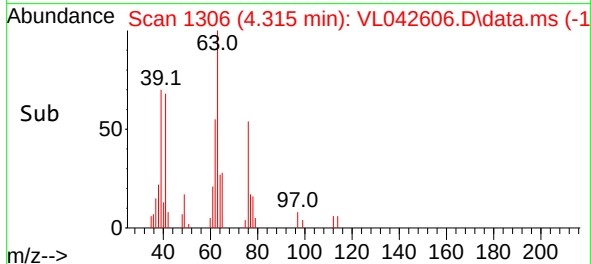
LOQ-AIR-02-QT2-2025



Tgt Ion: 63	Resp: 585
Ion Ratio	Lower Upper
63	100
41	69.6 61.8 92.6
62	54.7 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: 0.649 ppbv m

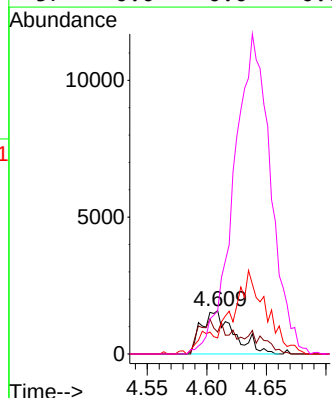
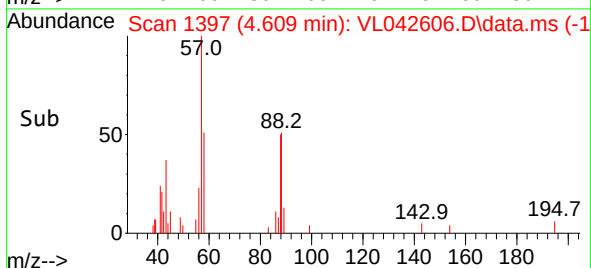
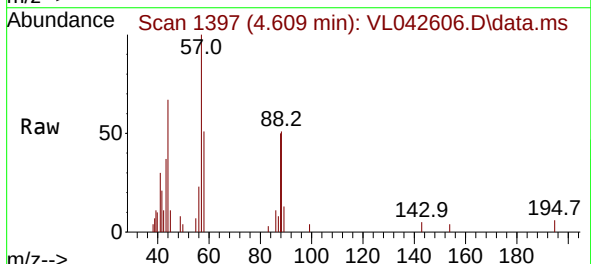
RT: 4.609 min Scan# 1397

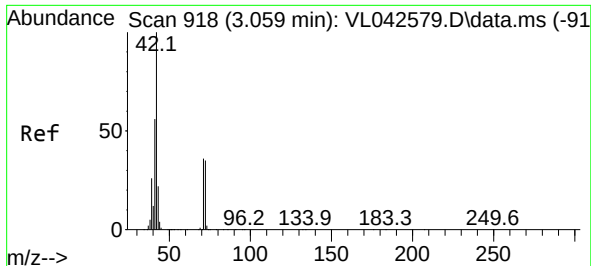
Delta R.T. 0.019 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

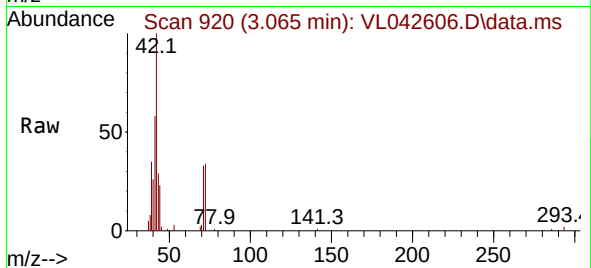
Tgt Ion: 88	Resp: 2986
Ion Ratio	Lower Upper
88	100
58	0.0 55.8 83.8#
43	0.0 24.8 37.2#
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.496 ppbv
RT: 3.065 min Scan# 918
Delta R.T. 0.006 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

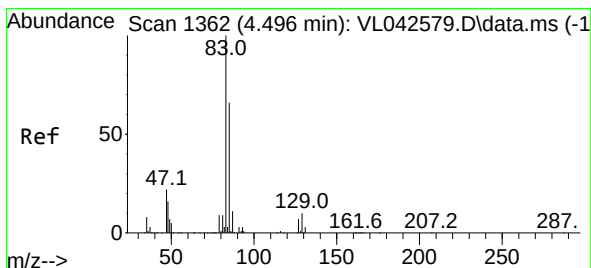
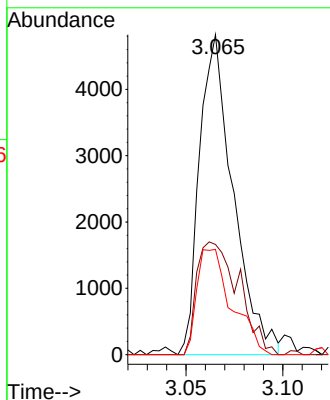
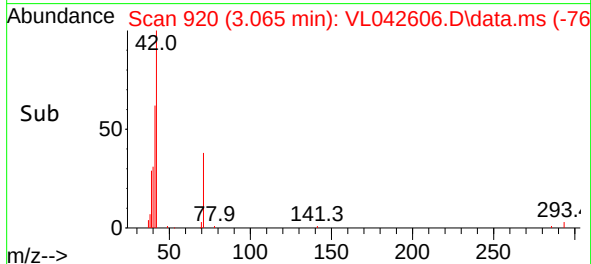
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 42 Resp: 584
Ion Ratio Lower Upper
42 100
72 44.2 28.9 43.3
71 34.1 28.5 42.7

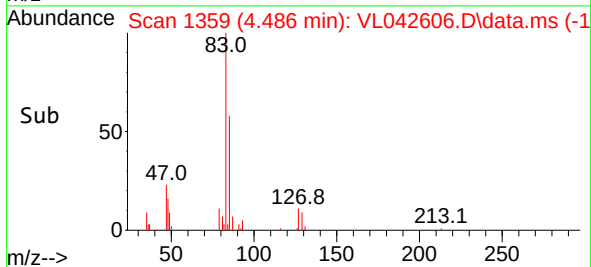
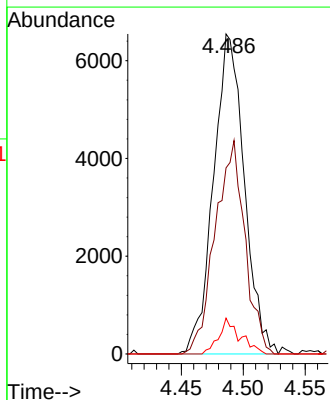
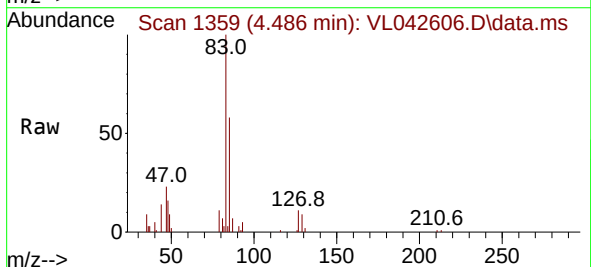
Manual Integrations
APPROVED

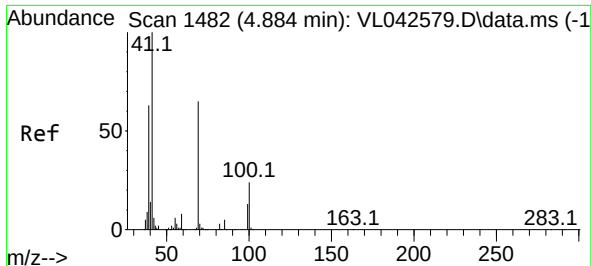
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#42
Bromodichloromethane
Concen: 0.578 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

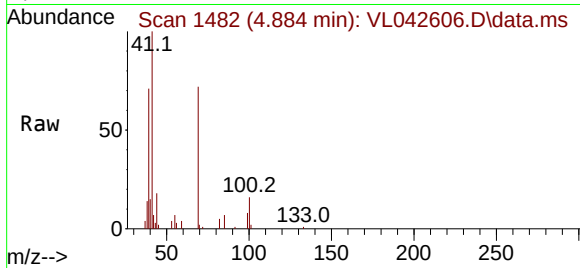
Tgt Ion: 83 Resp: 11336
Ion Ratio Lower Upper
83 100
85 58.2 52.7 79.1
127 11.2 5.8 8.6





#43
Methyl Methacrylate
Concen: 0.501 ppbv m
RT: 4.884 min Scan# 1482
Delta R.T. -0.000 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

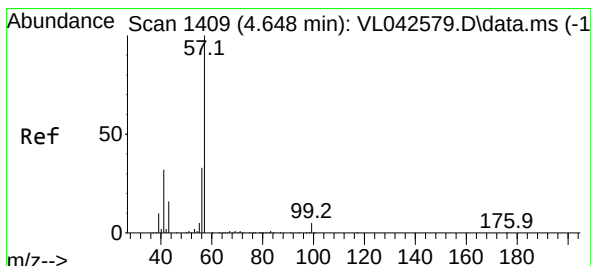
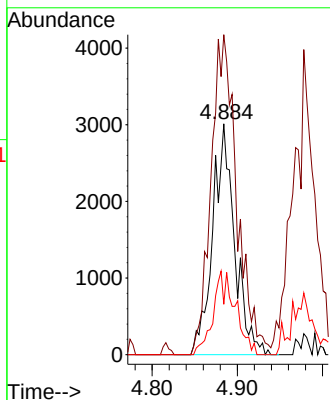
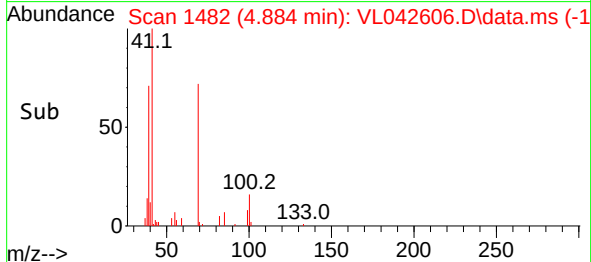
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 69 Resp: 5404
Ion Ratio Lower Upper
69 100
41 161.4 124.6 187.0
100 36.4 29.9 44.9

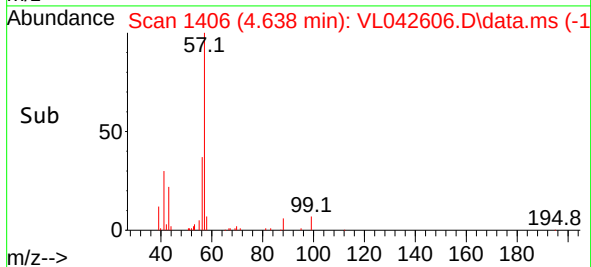
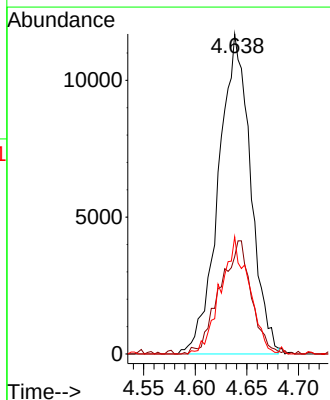
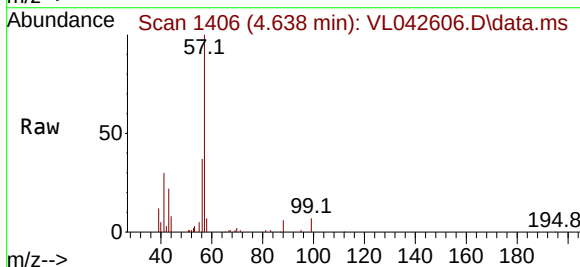
Manual Integrations
APPROVED

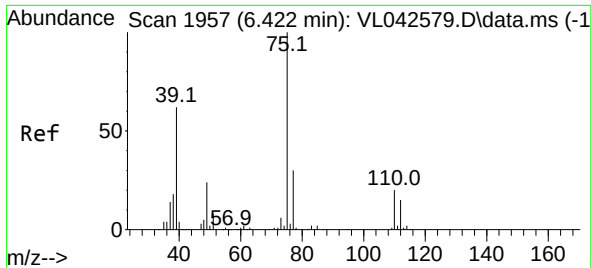
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#44
2,2,4-Trimethylpentane
Concen: 0.530 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.010 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

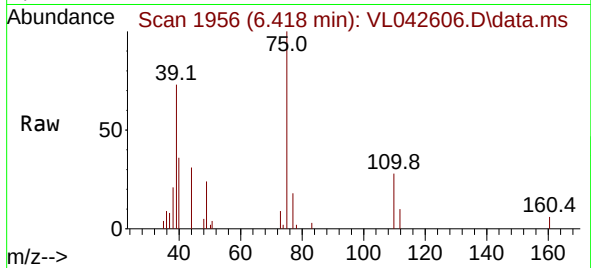
Tgt Ion: 57 Resp: 25186
Ion Ratio Lower Upper
57 100
41 35.2 26.1 39.1
56 32.9 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 0.475 ppbv m
 RT: 6.418 min Scan# 1956
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

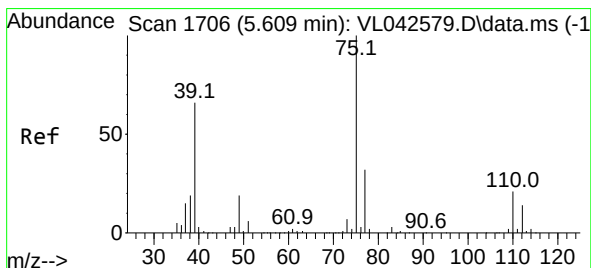
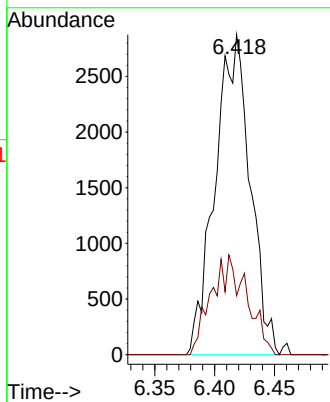
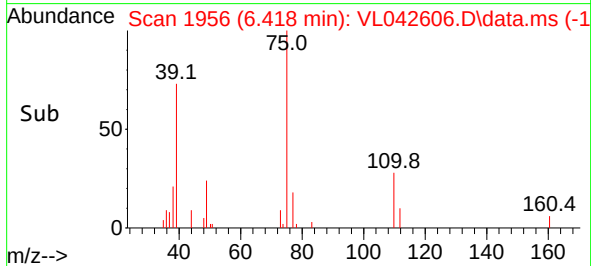
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 75 Resp: 5860
 Ion Ratio Lower Upper
 75 100
 77 18.4 24.2 36.2

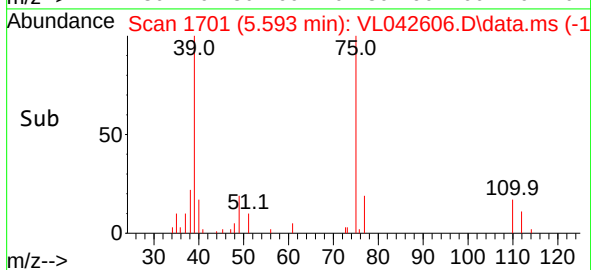
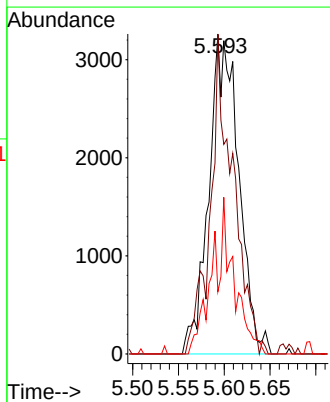
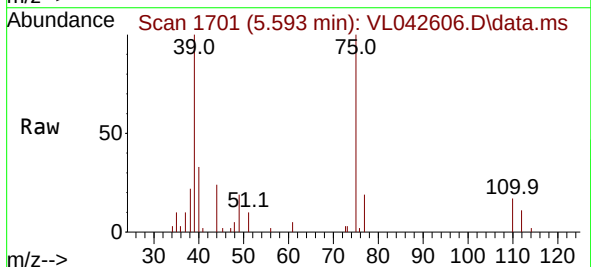
Manual Integrations
 APPROVED

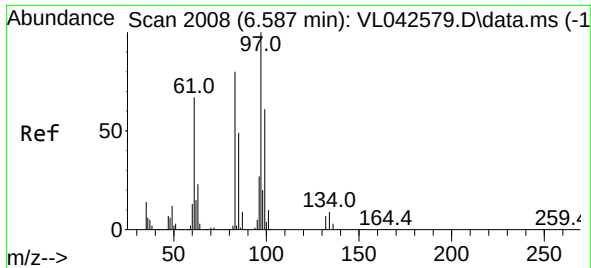
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.479 ppbv m
 RT: 5.593 min Scan# 1701
 Delta R.T. -0.016 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

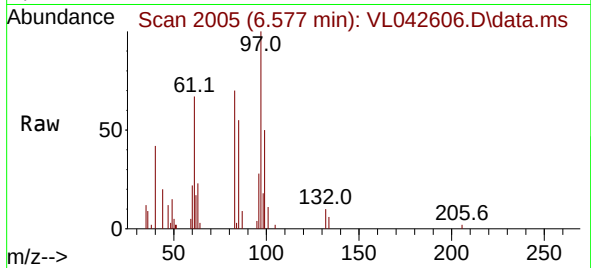
Tgt Ion: 75 Resp: 7412
 Ion Ratio Lower Upper
 75 100
 39 100.2 52.7 79.1#
 77 19.5 25.8 38.8#





#47
1,1,2-Trichloroethane
Concen: 0.539 ppbv m
RT: 6.577 min Scan# 2005
Delta R.T. -0.010 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

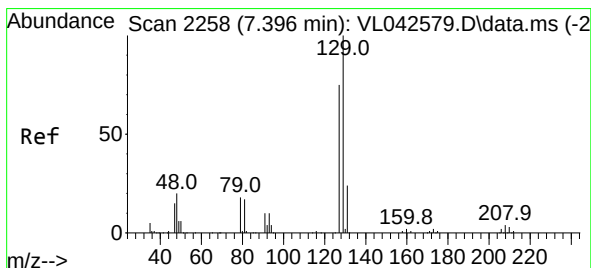
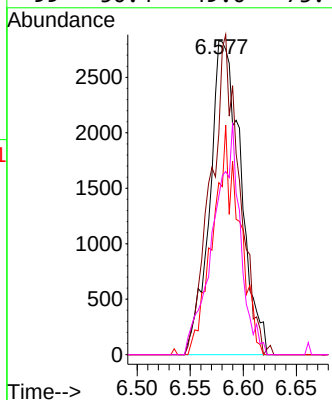
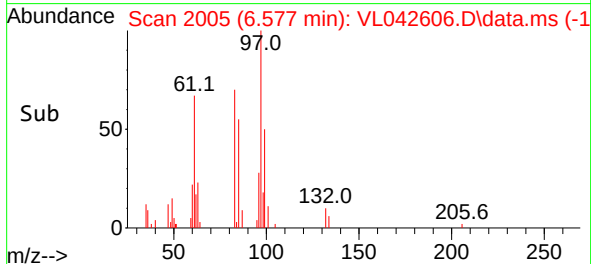
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 97 Resp: 5730
Ion Ratio Lower Upper
97 100
83 70.5 63.9 95.9
85 54.8 39.2 58.8
99 50.4 49.0 73.4

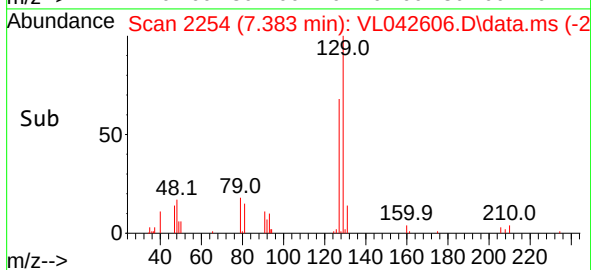
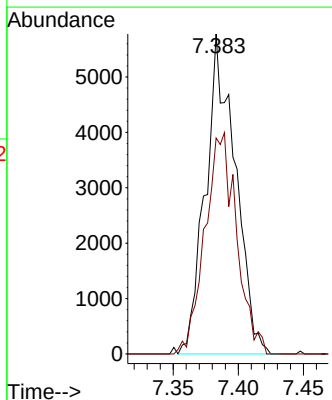
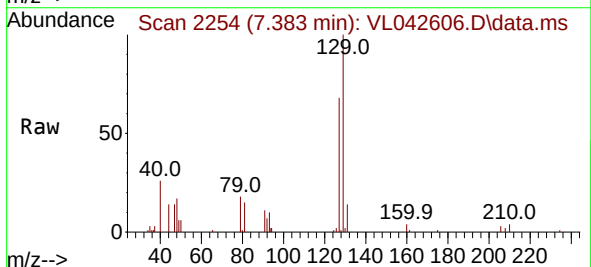
Manual Integrations
APPROVED

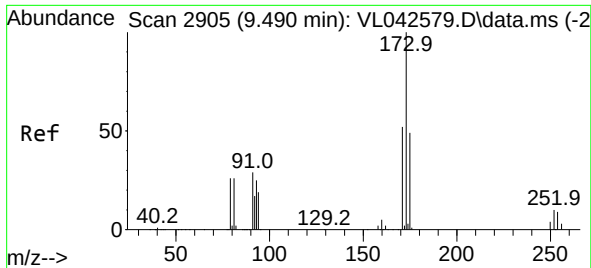
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#48
Dibromochloromethane
Concen: 0.538 ppbv m
RT: 7.383 min Scan# 2254
Delta R.T. -0.013 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

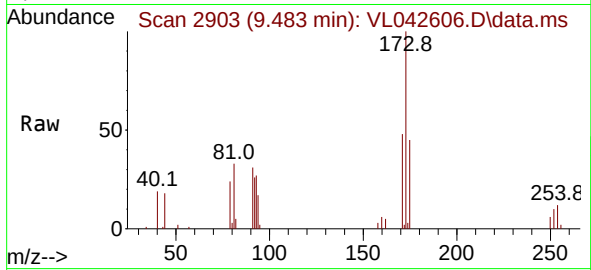
Tgt Ion:129 Resp: 9168
Ion Ratio Lower Upper
129 100
127 73.4 39.0 116.9





#49
Bromoform
Concen: 0.497 ppbv
RT: 9.483 min Scan# 2905
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

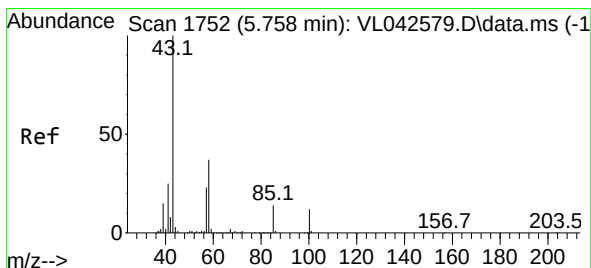
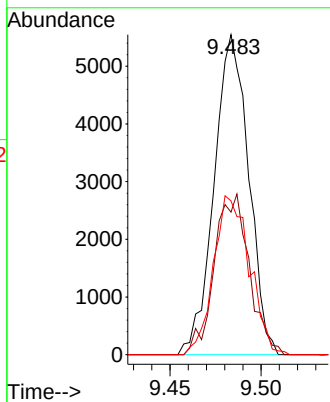
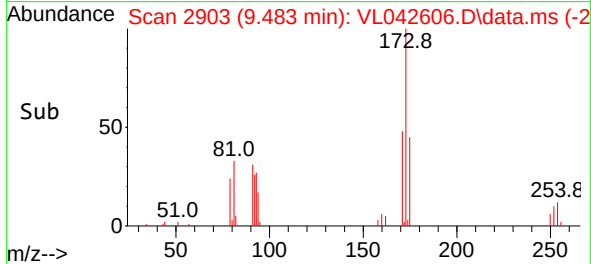
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion:173 Resp: 7309
Ion Ratio Lower Upper
173 100
175 50.6 38.7 58.1
171 51.9 41.2 61.8

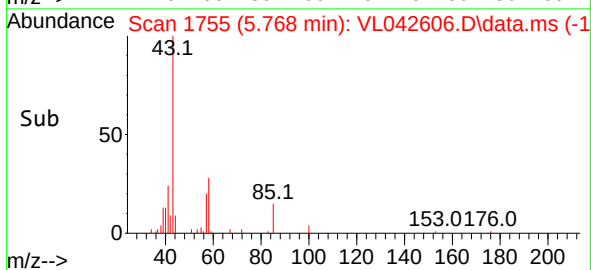
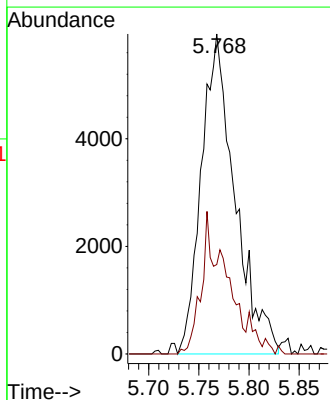
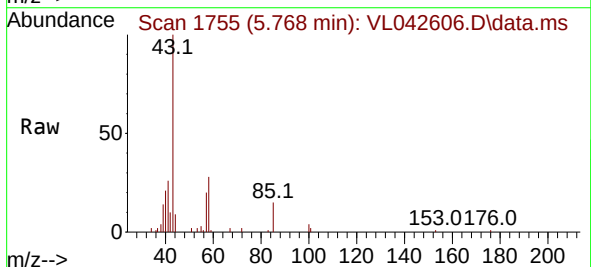
Manual Integrations
APPROVED

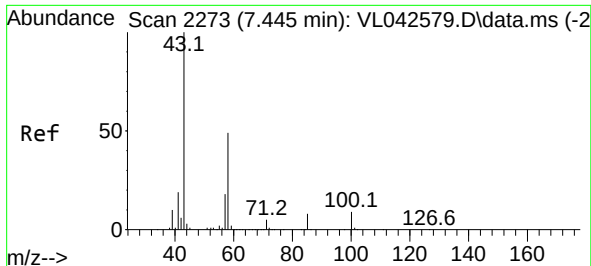
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#50
4-Methyl-2-Pentanone
Concen: 0.496 ppbv m
RT: 5.768 min Scan# 1755
Delta R.T. 0.010 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

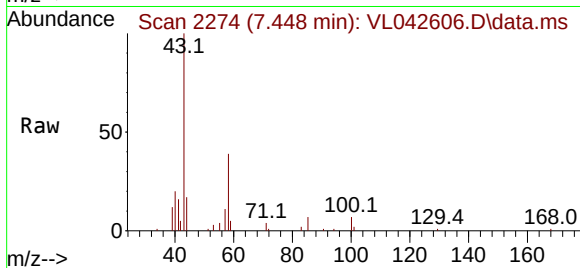
Tgt Ion: 43 Resp: 13842
Ion Ratio Lower Upper
43 100
58 35.7 28.3 42.5





#51
2-Hexanone
Concen: 0.431 ppbv
RT: 7.448 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

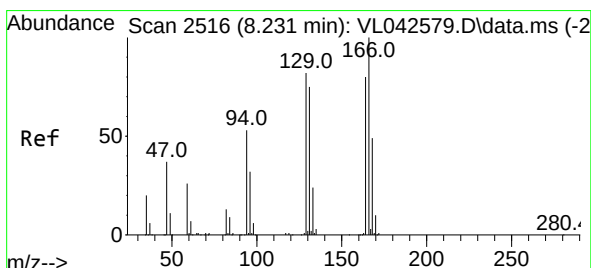
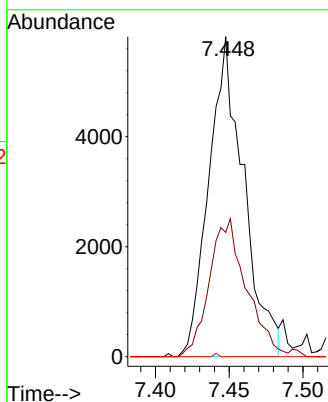
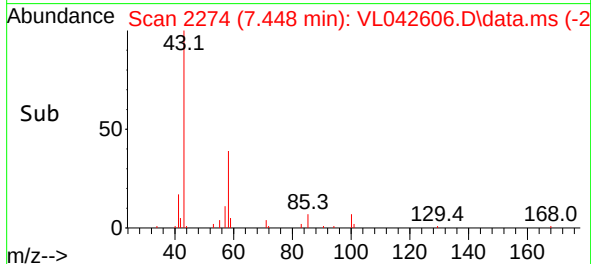
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 43 Resp: 9544
Ion Ratio Lower Upper
43 100
58 46.5 39.9 59.9
98 0.0 0.1 0.1

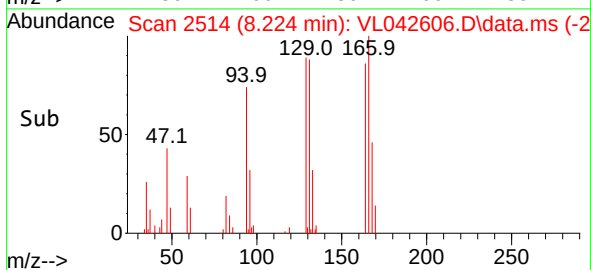
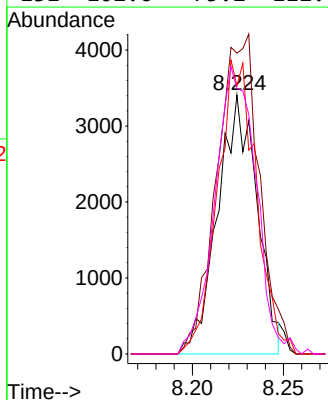
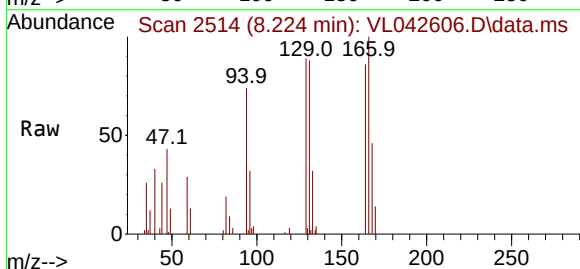
Manual Integrations
APPROVED

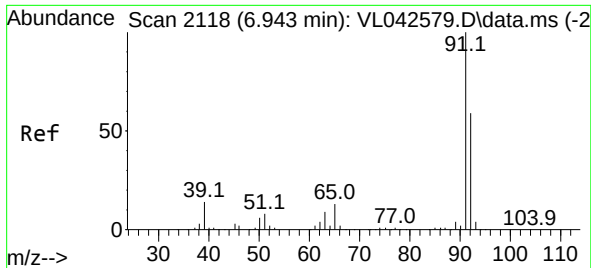
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#52
Tetrachloroethene
Concen: 0.493 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

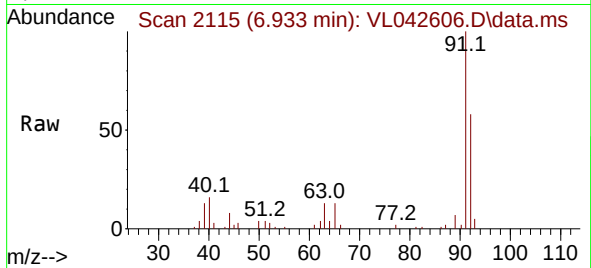
Tgt Ion:164 Resp: 5119
Ion Ratio Lower Upper
164 100
166 116.2 100.0 150.0
129 103.6 82.2 123.4
131 102.6 75.2 112.8





#53
Toluene
Concen: 0.484 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

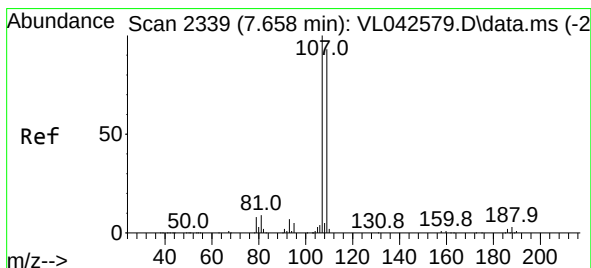
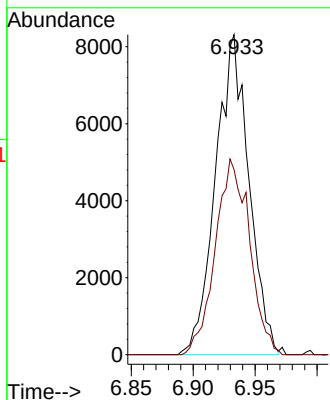
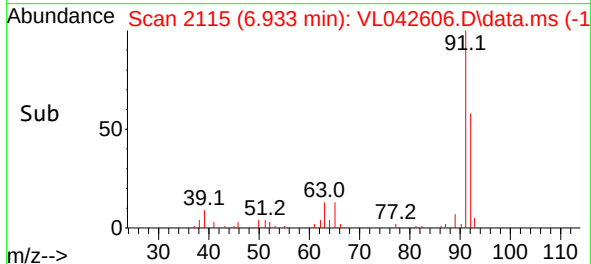
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



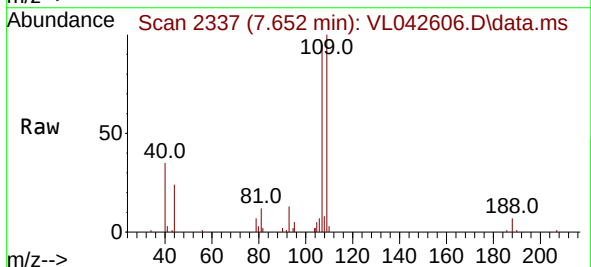
Tgt Ion: 91 Resp: 15538
Ion Ratio Lower Upper
91 100
92 62.9 48.2 72.4

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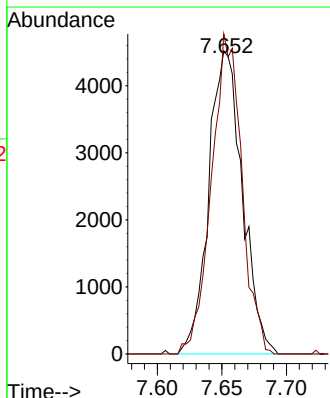
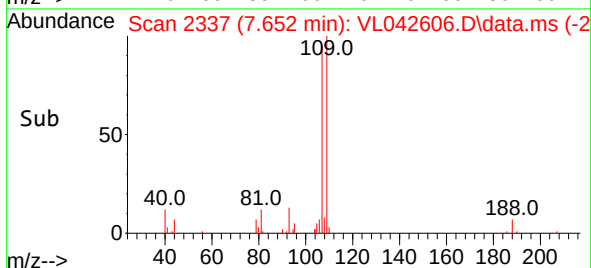
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

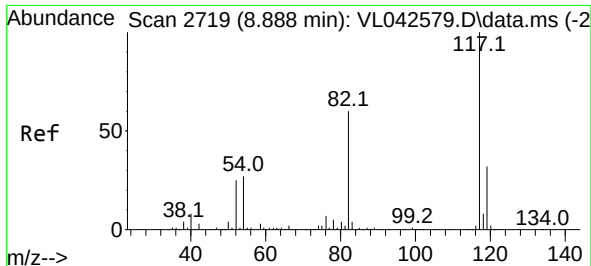


#54
1,2-Dibromoethane
Concen: 0.519 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



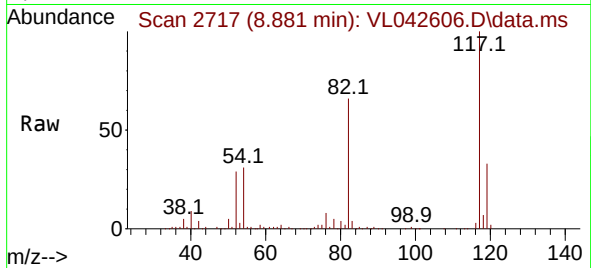
Tgt Ion:107 Resp: 8170
Ion Ratio Lower Upper
107 100
109 105.5 74.3 111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2719
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

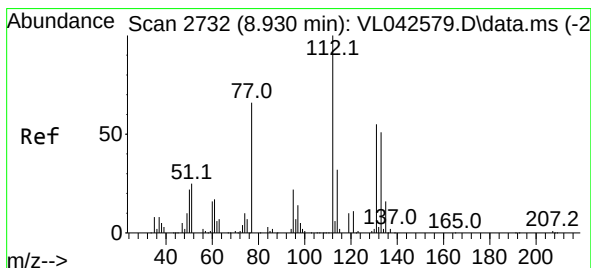
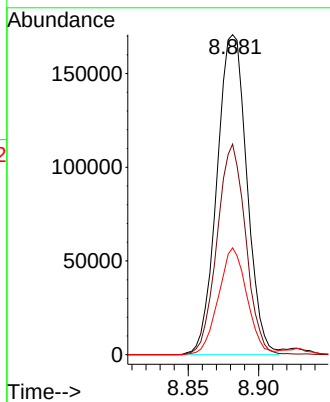
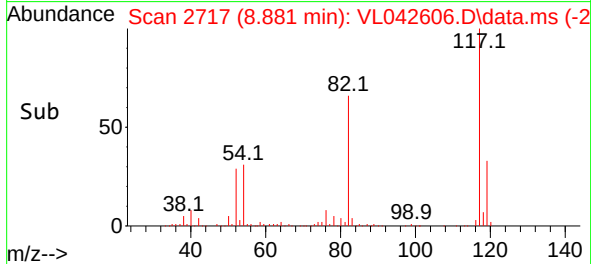
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion:117 Resp: 253010
Ion Ratio Lower Upper
117 100
82 63.0 51.2 76.8
119 33.5 26.3 39.5

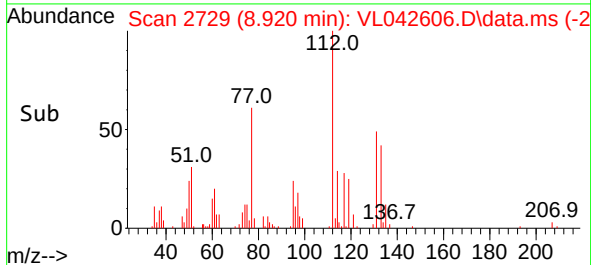
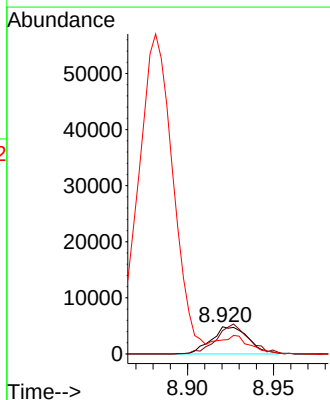
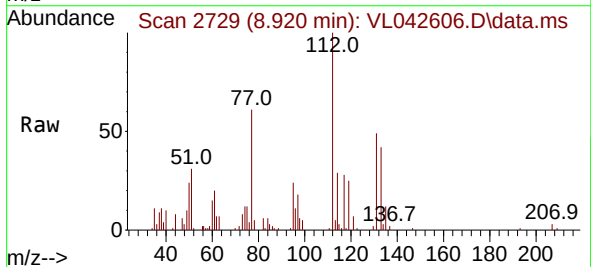
Manual Integrations
APPROVED

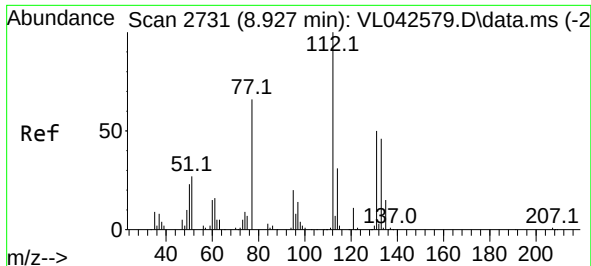
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.568 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.010 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion:131 Resp: 7220
Ion Ratio Lower Upper
131 100
133 97.3 75.0 112.6
119 1174.1 50.8 76.2#





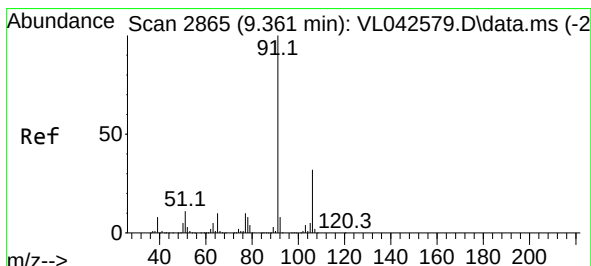
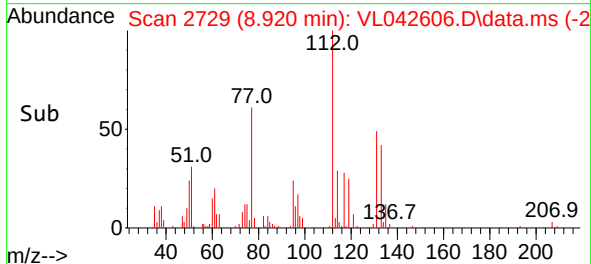
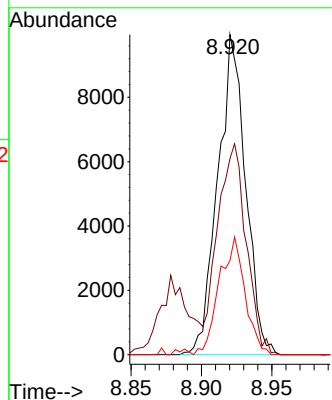
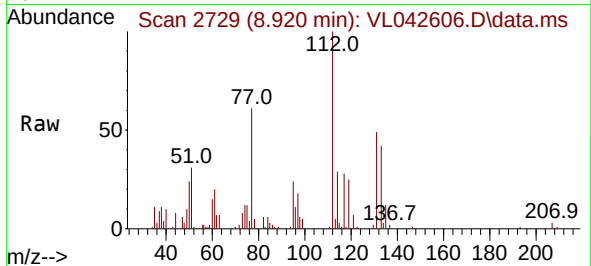
#57
Chlorobenzene
Concen: 0.557 ppbv
RT: 8.920 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

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

Tgt Ion:112 Resp: 1367
Ion Ratio Lower Upper
112 100
77 61.3 53.5 80.3
114 32.5 27.8 34.0

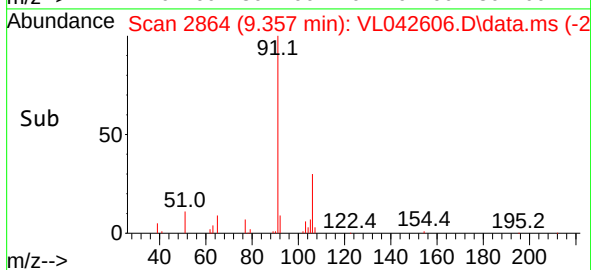
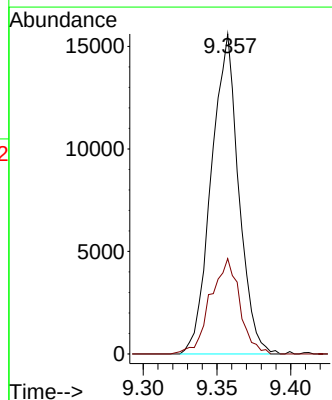
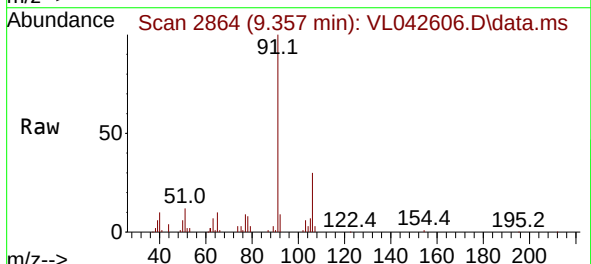
Manual Integrations
APPROVED

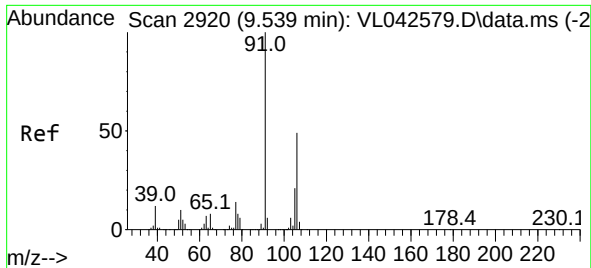
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#58
Ethyl Benzene
Concen: 0.470 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

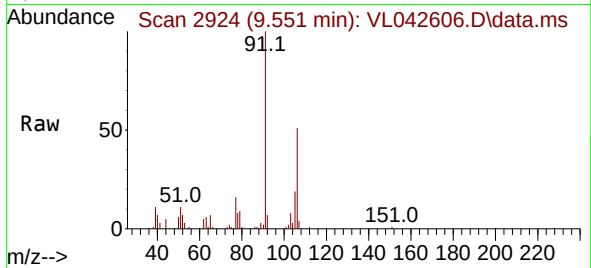
Tgt Ion: 91 Resp: 20163
Ion Ratio Lower Upper
91 100
106 29.8 25.9 38.9





#59
m/p-Xylene
Concen: 0.957 ppbv m
RT: 9.551 min Scan# 2920
Delta R.T. 0.013 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

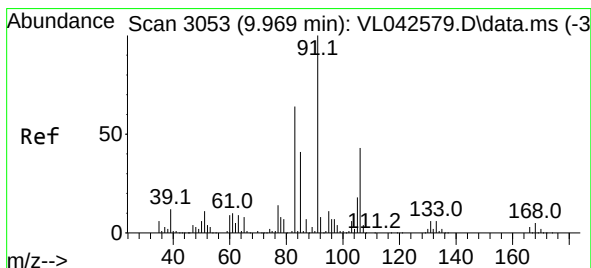
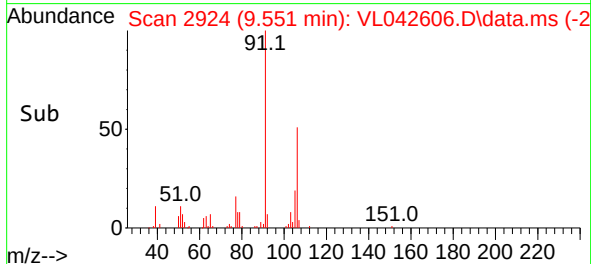
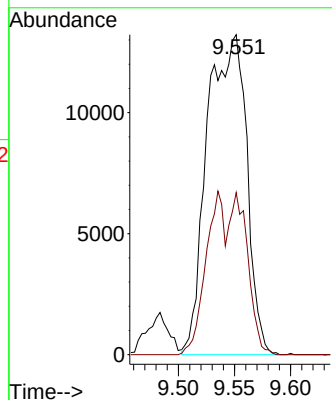
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



Tgt Ion: 91 Resp: 32309
Ion Ratio Lower Upper
91 100
106 49.0 38.8 58.2

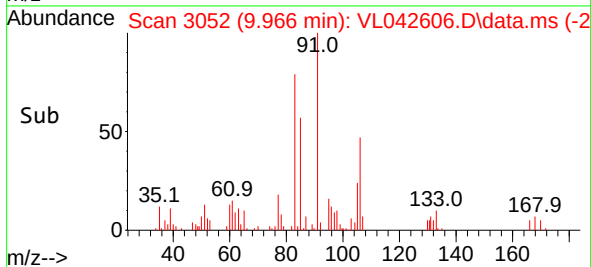
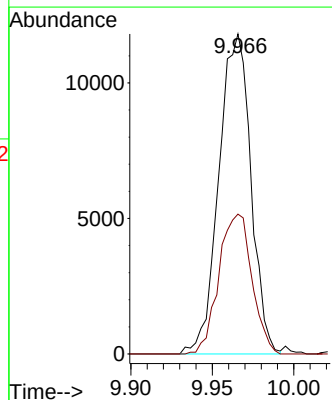
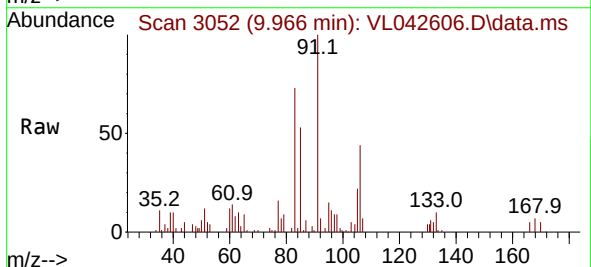
Manual Integrations
APPROVED

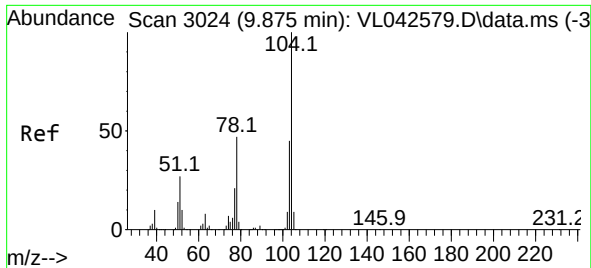
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#60
o-Xylene
Concen: 0.478 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

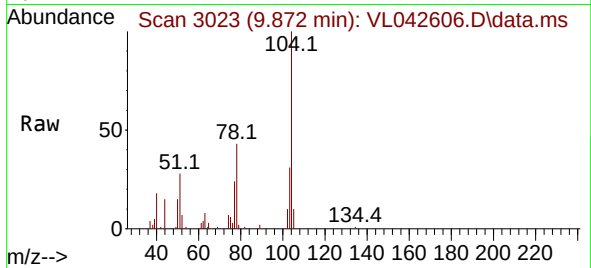
Tgt Ion: 91 Resp: 16108
Ion Ratio Lower Upper
91 100
106 45.2 22.9 68.5





#61
Styrene
Concen: 0.392 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

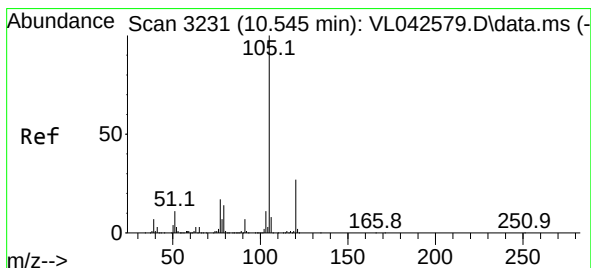
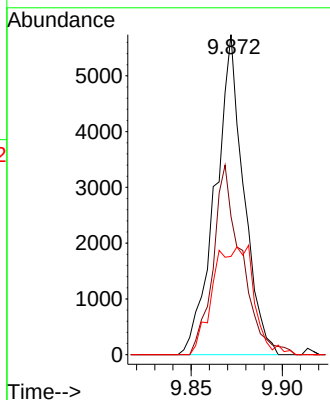
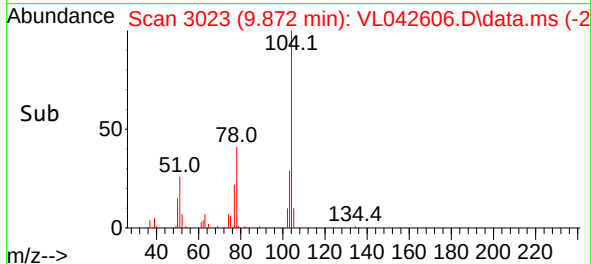
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025



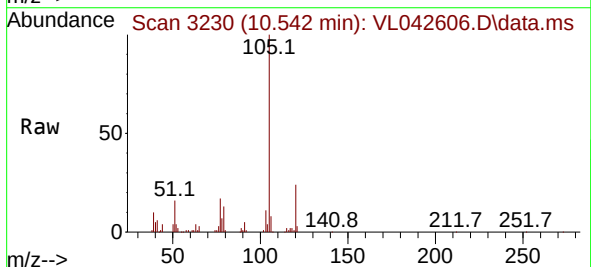
Tgt Ion:104 Resp: 6230
Ion Ratio Lower Upper
104 100
78 58.8 38.2 57.4
103 49.0 36.7 55.1

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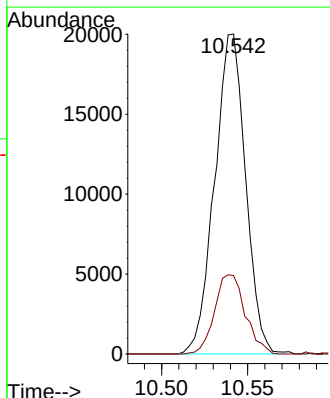
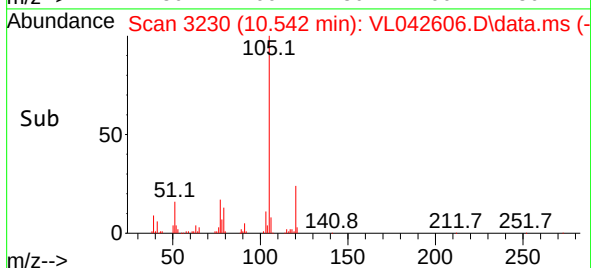
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

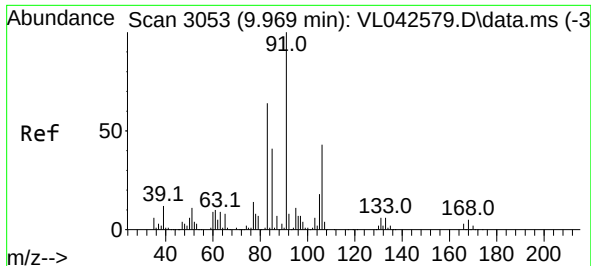


#62
Isopropylbenzene
Concen: 0.503 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30



Tgt Ion:105 Resp: 25034
Ion Ratio Lower Upper
105 100
120 24.5 20.9 31.3





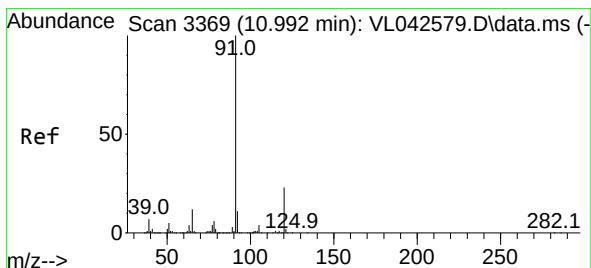
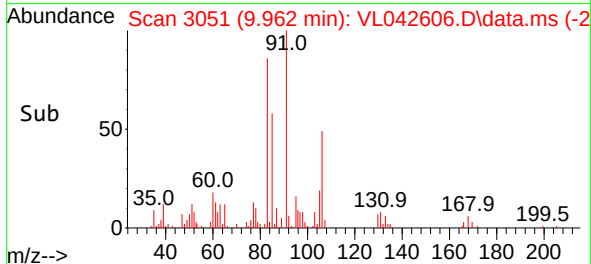
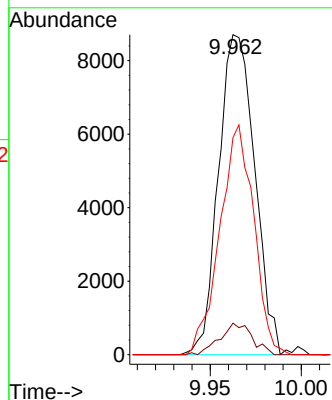
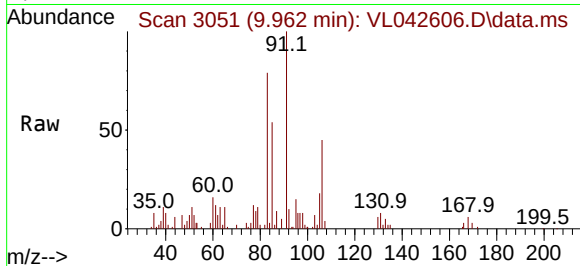
#63
1,1,2,2-Tetrachloroethane
Concen: 0.561 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

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

Tgt Ion: 83 Resp: 12020
Ion Ratio Lower Upper
83 100
131 8.8 4.8 14.4
85 67.4 32.5 97.4

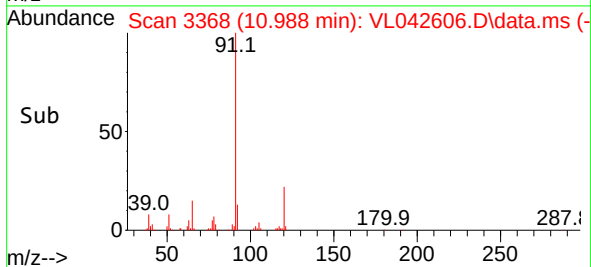
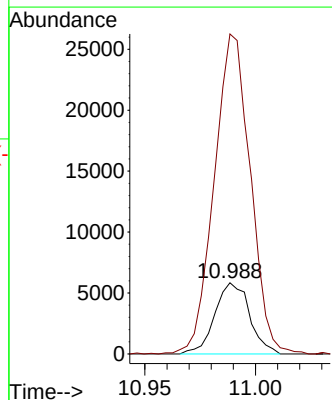
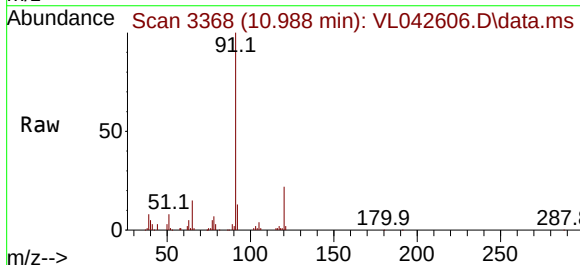
Manual Integrations
APPROVED

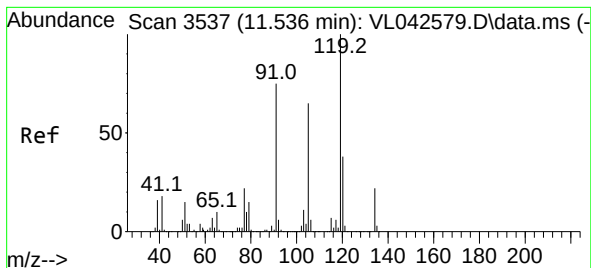
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#64
n-propylbenzene
Concen: 0.478 ppbv
RT: 10.988 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion:120 Resp: 6377
Ion Ratio Lower Upper
120 100
91 468.1 363.0 544.6





#65

tert-Butylbenzene

Concen: 0.481 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

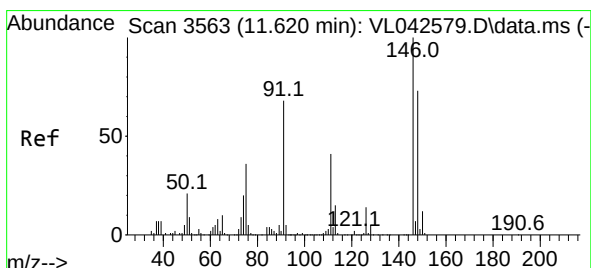
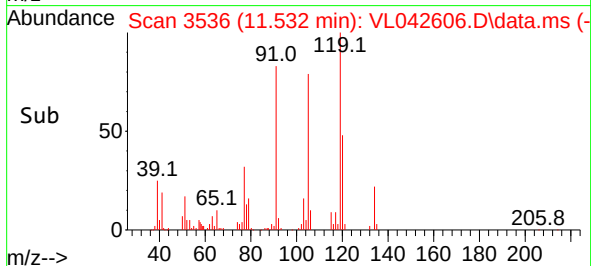
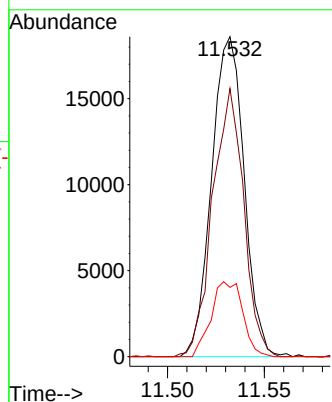
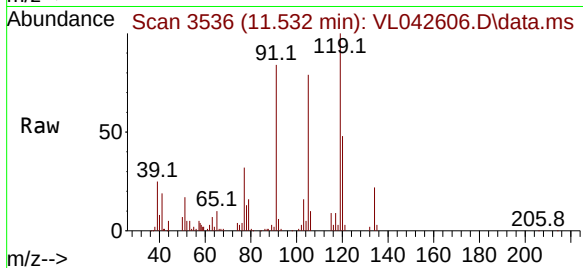
LOQ-AIR-02-QT2-2025

Tgt Ion:	119	Resp:	21719
Ion Ratio	Lower	Upper	
119	100		
91	80.1	61.1	91.7
134	22.8	17.4	26.2

Manual Integrations

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



#66

Benzyl Chloride

Concen: 0.370 ppbv

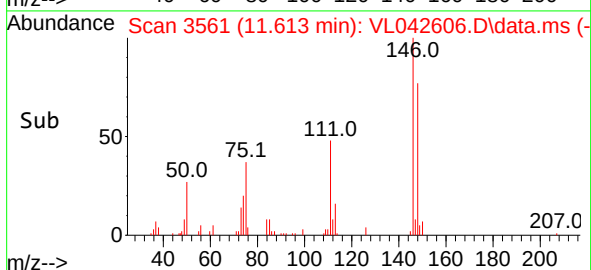
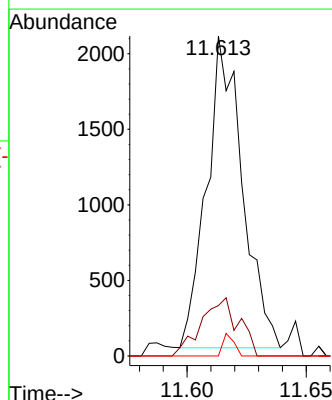
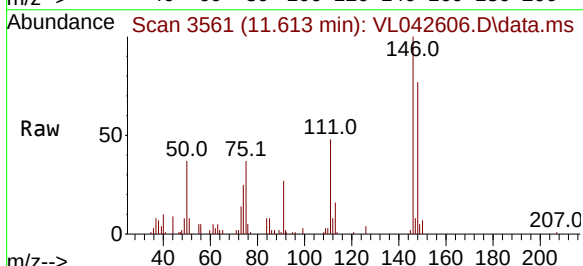
RT: 11.613 min Scan# 3561

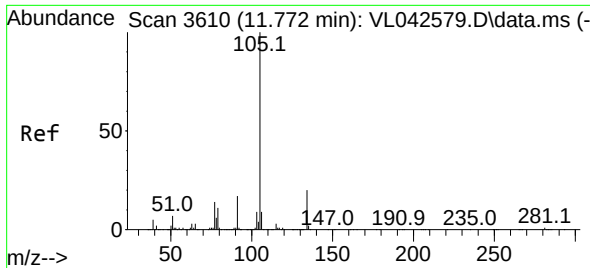
Delta R.T. -0.007 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

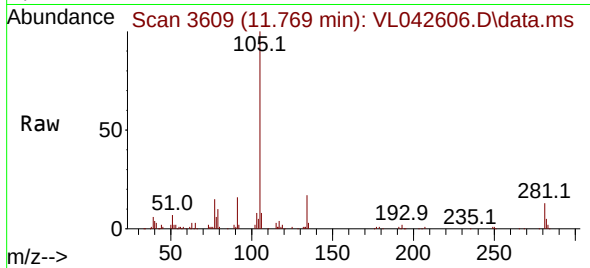
Tgt Ion:	91	Resp:	2151
Ion Ratio	Lower	Upper	
91	100		
126	19.5	15.1	22.7
128	2.2	5.0	7.6





#67
 sec-Butylbenzene
 Concen: 0.508 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

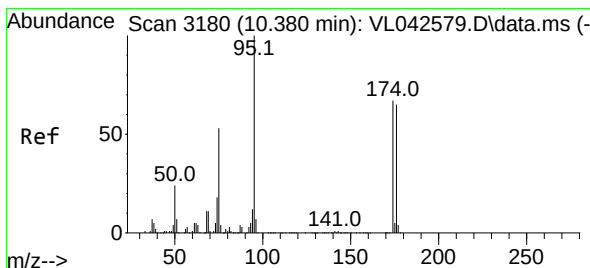
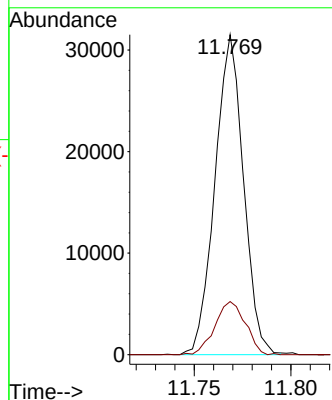
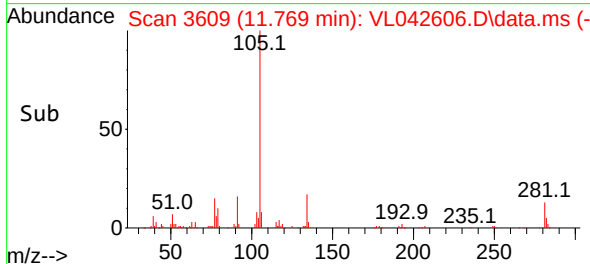
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



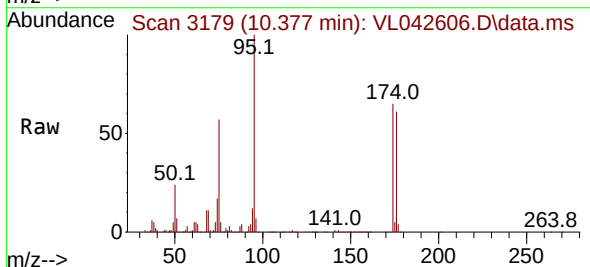
Tgt Ion:105 Resp: 32248
 Ion Ratio Lower Upper
 105 100
 134 17.8 15.8 23.6

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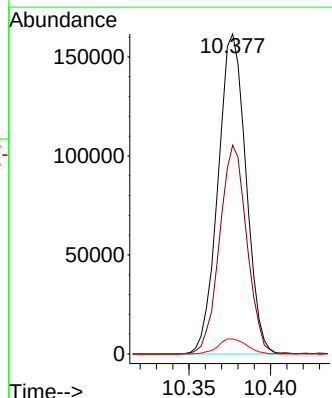
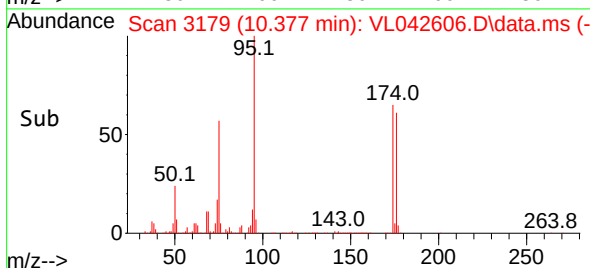
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

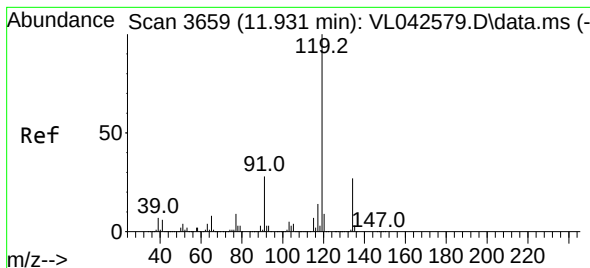


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.142 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30



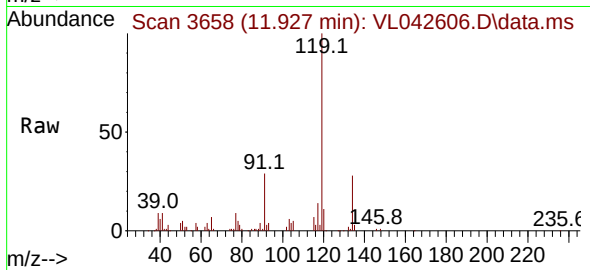
Tgt Ion: 95 Resp: 192349
 Ion Ratio Lower Upper
 95 100
 174 64.1 53.1 79.7
 175 4.9 4.2 6.2





#69
 p-Isopropyltoluene
 Concen: 0.464 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

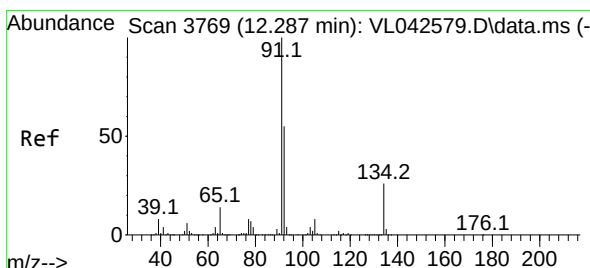
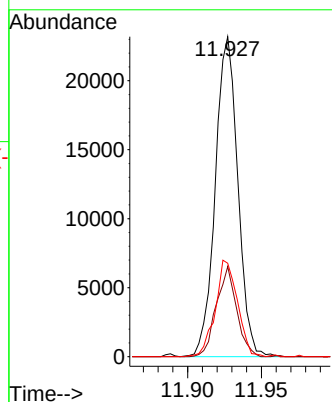
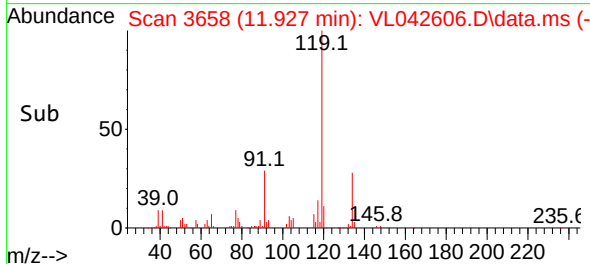
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion: 119 Resp: 24672
 Ion Ratio Lower Upper
 119 100
 134 25.5 21.1 31.7
 91 29.8 21.9 32.9

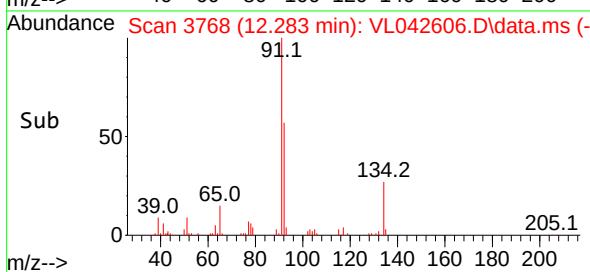
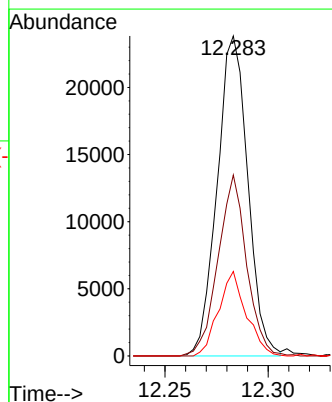
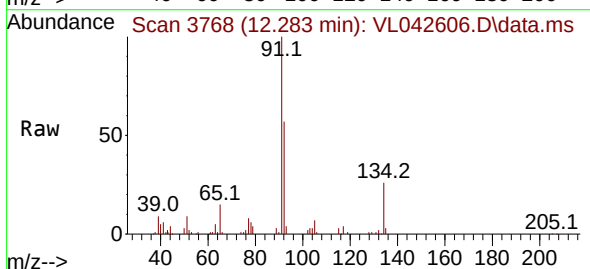
Manual Integrations
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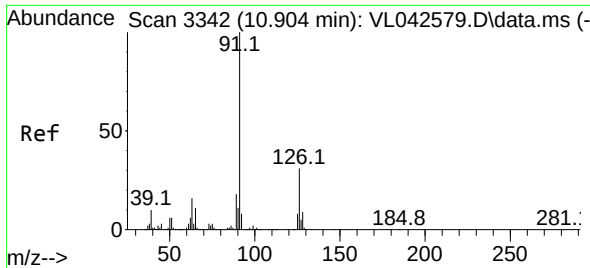
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#70
 n-Butylbenzene
 Concen: 0.468 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

Tgt Ion: 91 Resp: 24548
 Ion Ratio Lower Upper
 91 100
 92 52.9 44.4 66.6
 134 23.9 20.1 30.1





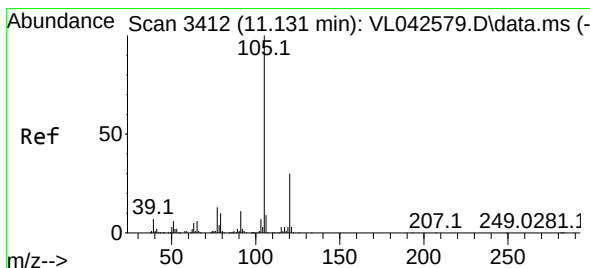
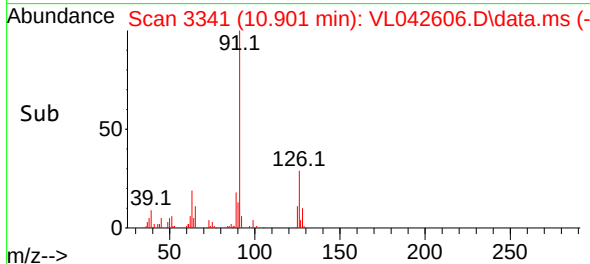
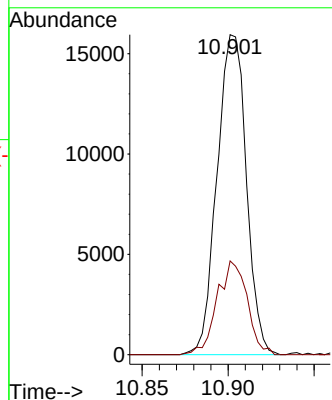
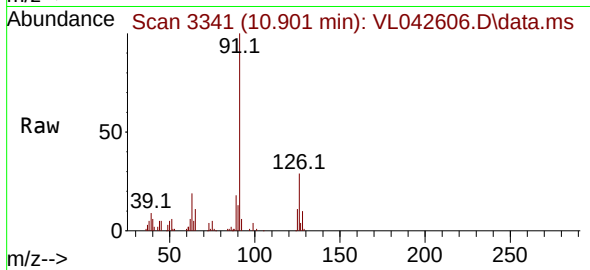
#71
2-Chlorotoluene
Concen: 0.498 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

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

Tgt Ion: 91 Resp: 1891
Ion Ratio Lower Upper
91 100
126 30.0 12.6 50.4

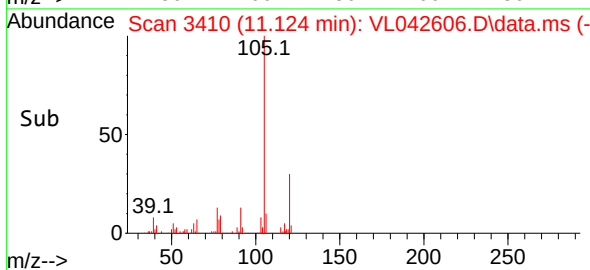
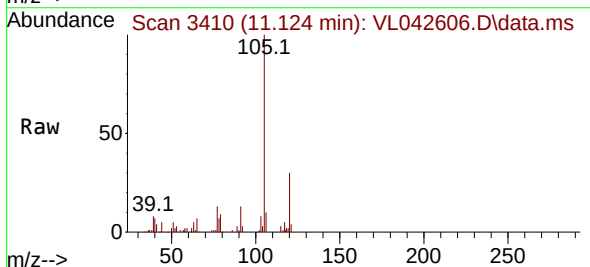
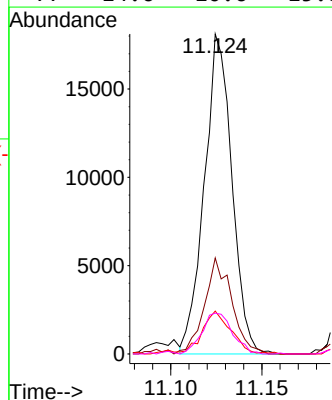
Manual Integrations
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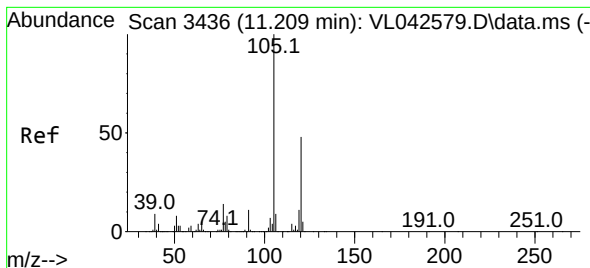
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#72
4-Ethyltoluene
Concen: 0.455 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion:105 Resp: 19093
Ion Ratio Lower Upper
105 100
120 30.6 24.6 36.8
91 14.8 9.6 14.4#
77 14.6 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.473 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.007 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

Tgt Ion:105 Resp: 1644

Ion Ratio Lower Upper

105 100

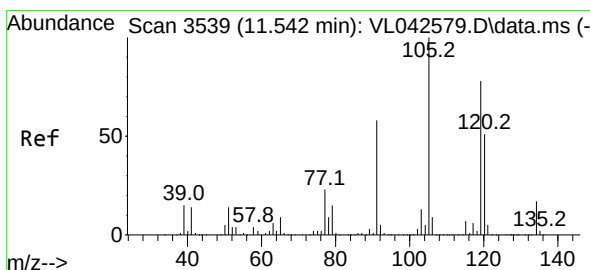
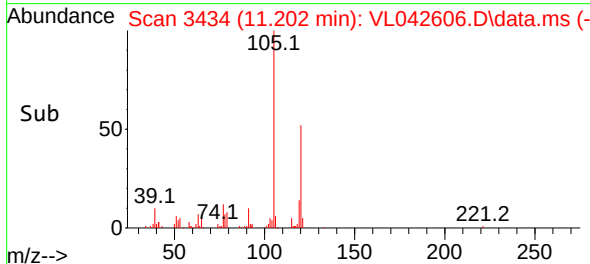
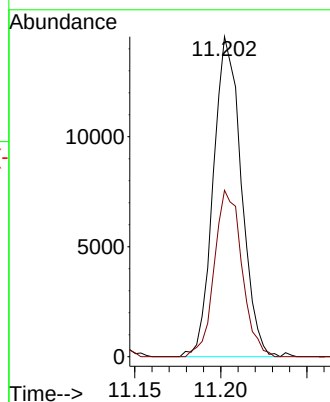
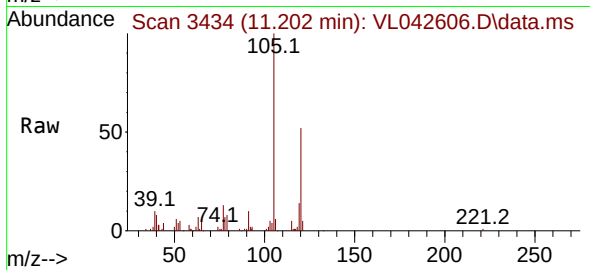
120 52.0 38.8 58.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.491 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. -0.007 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Tgt Ion:105 Resp: 18926

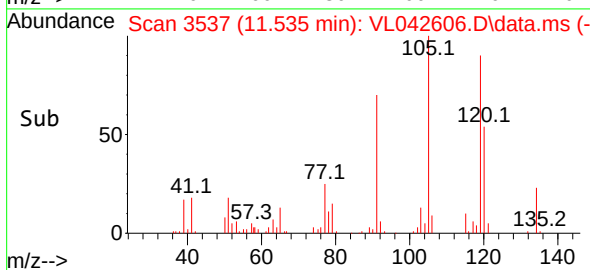
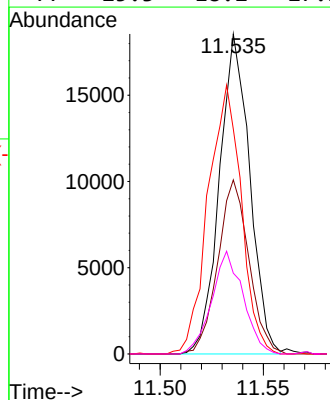
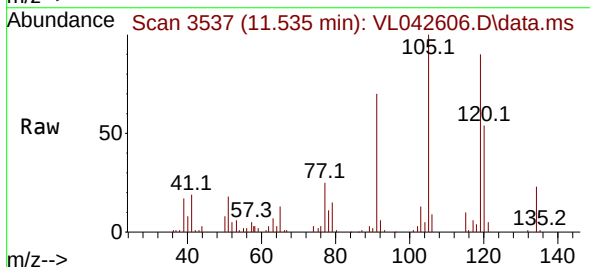
Ion Ratio Lower Upper

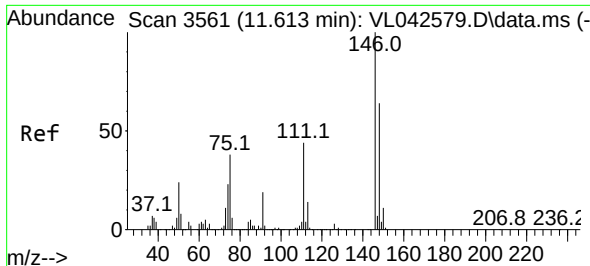
105 100

120 54.4 40.8 61.2

91 70.2 46.8 70.2#

77 25.3 18.2 27.2





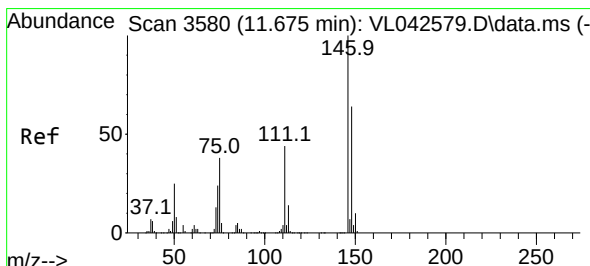
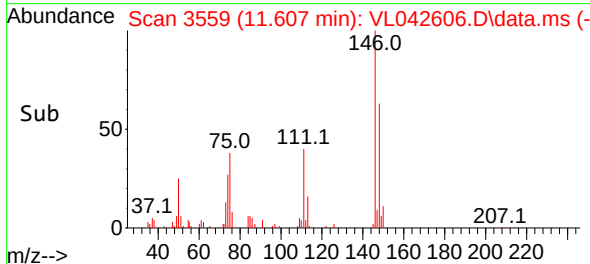
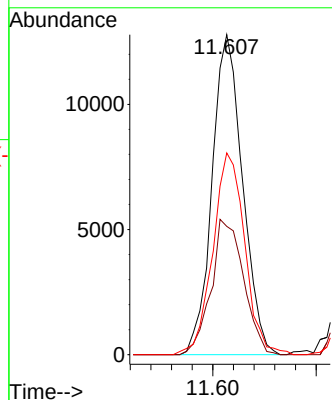
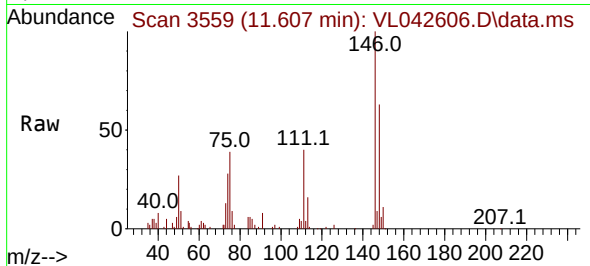
#75
1,3-Dichlorobenzene
Concen: 0.541 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.007 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

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

Tgt Ion:146 Resp: 13110
Ion Ratio Lower Upper
146 100
111 45.0 22.4 67.3
148 65.9 32.0 96.2

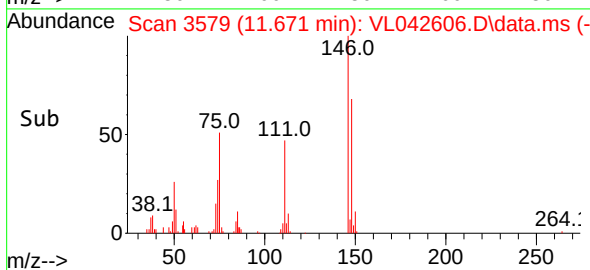
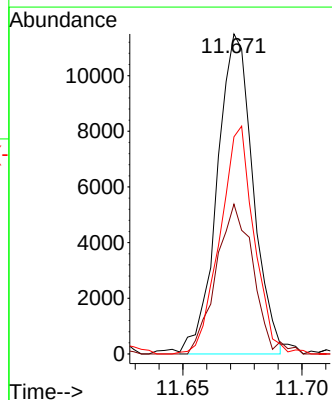
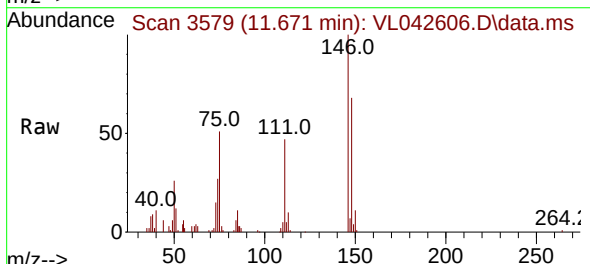
Manual Integrations
APPROVED

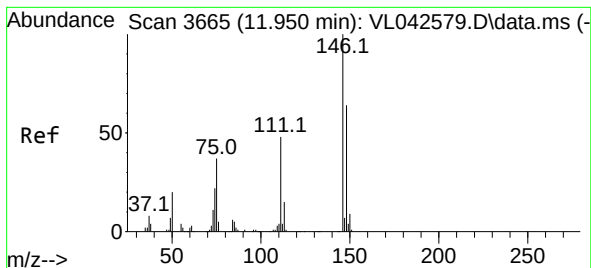
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#76
1,4-Dichlorobenzene
Concen: 0.497 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042606.D
Acq: 03 Jun 2025 12:30

Tgt Ion:146 Resp: 12007
Ion Ratio Lower Upper
146 100
111 48.5 21.6 64.8
148 67.7 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 0.571 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. -0.000 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

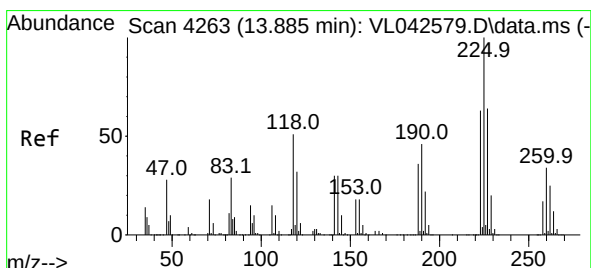
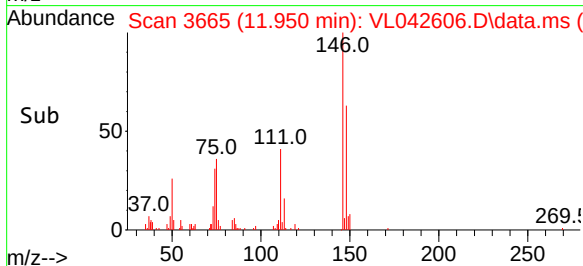
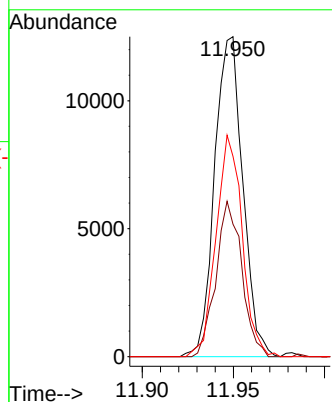
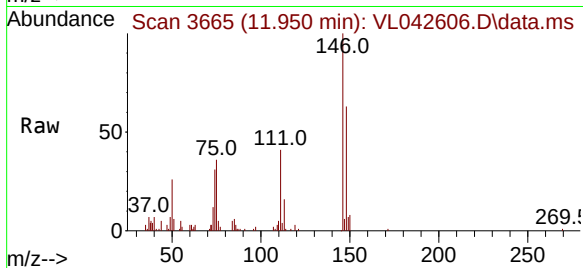
LOQ-AIR-02-QT2-2025

Tgt Ion:146	Resp:	1343
Ion Ratio	Lower	Upper
146	100	
111	44.9	23.1 69.3
148	64.3	32.1 96.3

Manual Integrations

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.593 ppbv

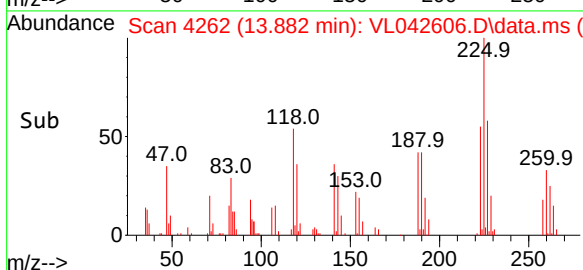
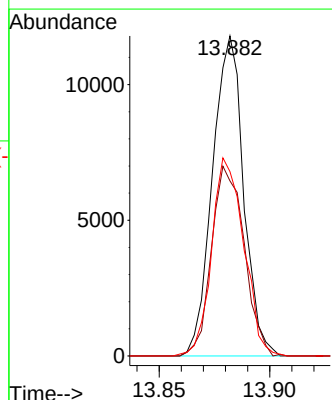
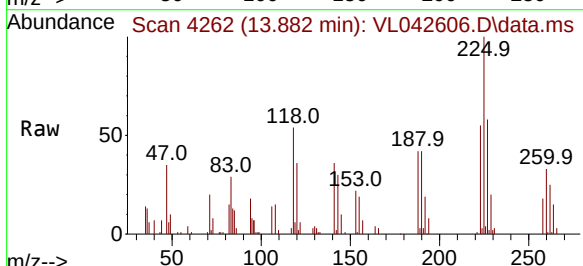
RT: 13.882 min Scan# 4262

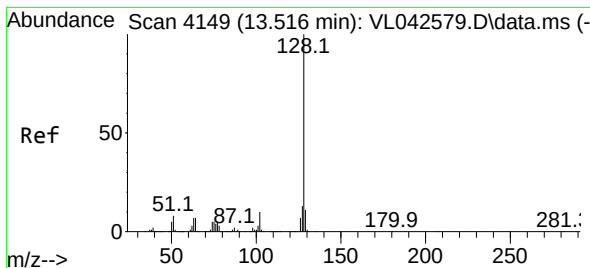
Delta R.T. -0.003 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Tgt Ion:225	Resp:	11543
Ion Ratio	Lower	Upper
225	100	
223	62.2	50.2 75.4
227	63.8	51.1 76.7





#79

Naphthalene

Concen: 0.394 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

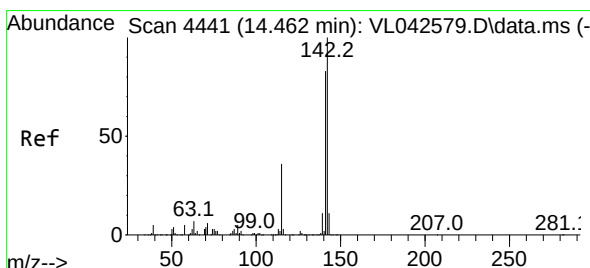
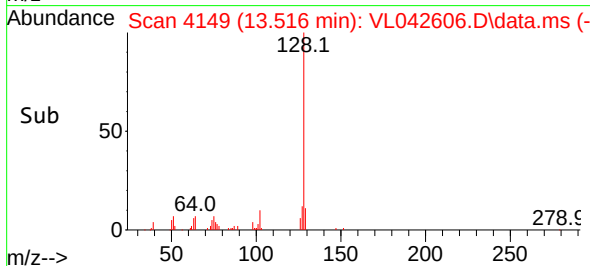
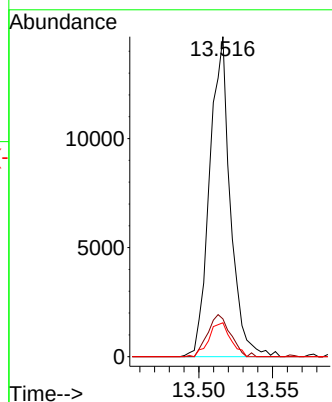
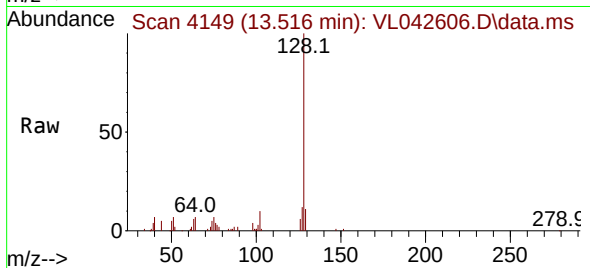
LOQ-AIR-02-QT2-2025

Tgt Ion:128	Resp:	14320
Ion Ratio	Lower	Upper
128	100	
127	11.8	10.2 15.4
129	10.6	8.8 13.2

Manual Integrations

APPROVED

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



#80

Naphthalene,2-methyl-

Concen: 0.268 ppbv

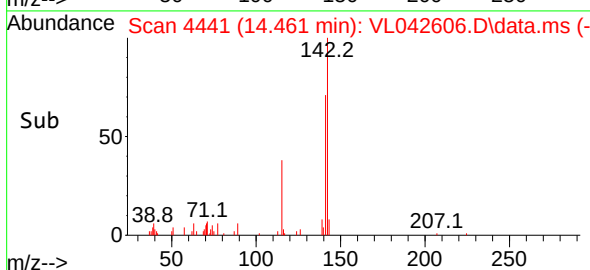
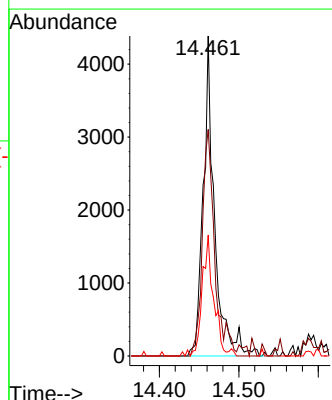
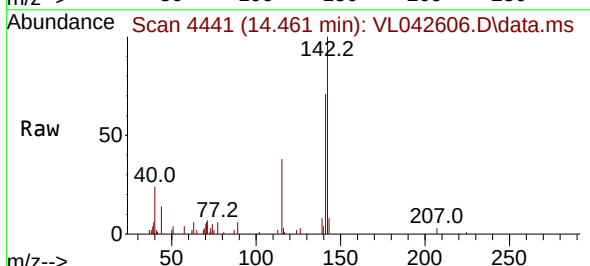
RT: 14.461 min Scan# 4441

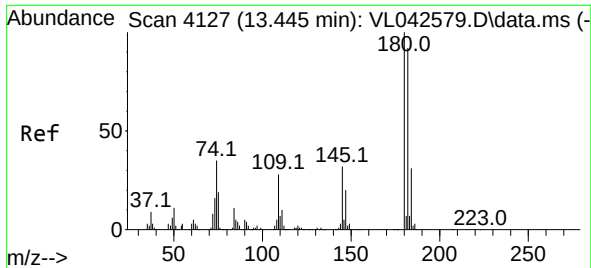
Delta R.T. -0.000 min

Lab File: VL042606.D

Acq: 03 Jun 2025 12:30

Tgt Ion:142	Resp:	4406
Ion Ratio	Lower	Upper
142	100	
141	79.9	66.2 99.4
115	38.4	28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.389 ppbv
 RT: 13.442 min Scan# 4126
 Delta R.T. -0.003 min
 Lab File: VL042606.D
 Acq: 03 Jun 2025 12:30

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

Tgt Ion:180 Resp: 7898
 Ion Ratio Lower Upper
 180 100
 182 97.8 75.0 112.4
 184 33.0 24.6 36.8

Manual Integrations
 APPROVED

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

