

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
 Data File : VL043129.D
 Acq On : 16 Oct 2025 13:49
 Operator : SY/MD
 Sample : Q2893-14 0.5 PPB
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Quant Time: Oct 17 01:28:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	86521	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	276491	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	234499	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.384 95 192699 10.572 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	8563	0.696	ppbv	97
3) Chlorodifluoromethane	1.480	51	7465	0.561	ppbv #	91
4) Chloromethane	1.538	50	2855	0.586	ppbv	98
5) Vinyl Chloride	1.583	62	2909	0.609	ppbv	96
6) Bromomethane	1.674	94	1752	0.668	ppbv	92
7) Chloroethane	1.709	64	1328	0.680	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	6670	0.671	ppbv	99
9) Propene	1.486	41	2708	0.459	ppbv	90
10) Heptane	4.995	43	6877m	0.405	ppbv	
11) Trichlorofluoromethane	1.881	101	8786	0.730	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	6884	0.711	ppbv	91
13) Ethanol	1.726	45	1592m	0.729	ppbv	
14) Bromoethene	1.787	108	2465	0.685	ppbv #	93
15) Acetone	1.842	43	9449	0.810	ppbv	99
16) 1,3-Butadiene	1.612	39	3797	0.683	ppbv	85
17) tert-Butyl alcohol	2.046	59	10380	0.648	ppbv #	93
18) 1,1-Dichloroethene	2.040	96	2874	0.681	ppbv	92
19) Isopropyl Alcohol	1.891	45	5259	0.724	ppbv #	36
20) Methylene Chloride	2.066	84	3796	0.823	ppbv	95
21) Allyl Chloride	2.101	41	5599	0.652	ppbv #	91
22) trans-1,2-Dichloroethene	2.347	96	3529	0.699	ppbv	84
23) Vinyl Acetate	2.470	43	9091	0.532	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	6604	0.677	ppbv	96
25) Ethyl Acetate	2.846	43	14766	0.511	ppbv	100
26) Hexane	2.836	57	6063	0.455	ppbv	84
27) Carbon Disulfide	2.156	76	7952	0.651	ppbv #	12
28) Methyl tert-Butyl Ether	2.447	73	4728	0.780	ppbv	97
29) Chloroform	2.855	83	11940	0.618	ppbv	91
30) Cyclohexane	3.868	84	5874	0.505	ppbv	91
31) cis-1,2-Dichloroethene	2.726	61	7249	0.570	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	12264	0.610	ppbv	98
34) 2-Butanone	2.564	43	10195	0.549	ppbv	96
35) Carbon Tetrachloride	3.774	117	12559	0.632	ppbv	98
36) Benzene	3.664	78	13796	0.530	ppbv	95
37) 1,2-Dichloroethane	3.227	62	9513	0.634	ppbv	98
38) Trichloroethene	4.564	130	5382m	0.495	ppbv	
39) 1,2-Dichloropropane	4.321	63	5358	0.563	ppbv #	84
40) 1,4-Dioxane	4.606	88	2177m	0.511	ppbv	
41) Tetrahydrofuran	3.066	42	4763m	0.458	ppbv	
42) Bromodichloromethane	4.499	83	12247	0.590	ppbv #	93
43) Methyl Methacrylate	4.894	69	6042	0.457	ppbv	93
44) 2,2,4-Trimethylpentane	4.652	57	20773	0.473	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	6228m	0.469	ppbv	

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Quant Time: Oct 17 01:28:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	7675m	0.484	ppbv	
47) 1,1,2-Trichloroethane	6.594	97	5940m	0.578	ppbv	
48) Dibromochloromethane	7.403	129	9713m	0.565	ppbv	
49) Bromoform	9.494	173	7207	0.516	ppbv	97
50) 4-Methyl-2-Pentanone	5.775	43	11136m	0.434	ppbv	
51) 2-Hexanone	7.451	43	8054m	0.419	ppbv	
52) Tetrachloroethene	8.228	164	4737m	0.504	ppbv	
53) Toluene	6.940	91	13908m	0.450	ppbv	
54) 1,2-Dibromoethane	7.662	107	8280	0.514	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.934	131	8771	0.593	ppbv #	1
57) Chlorobenzene	8.927	112	13025	0.594	ppbv	97
58) Ethyl Benzene	9.358	91	19790	0.492	ppbv	92
59) m/p-Xylene	9.558	91	32430m	1.010	ppbv	
60) o-Xylene	9.973	91	16236	0.512	ppbv	98
61) Styrene	9.879	104	6135	0.429	ppbv	98
62) Isopropylbenzene	10.546	105	30024	0.524	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.973	83	12033	0.567	ppbv	99
64) n-propylbenzene	10.999	120	7706	0.508	ppbv	92
65) tert-Butylbenzene	11.536	119	26966	0.533	ppbv	96
66) Benzyl Chloride	11.623	91	2193m	0.389	ppbv	
67) sec-Butylbenzene	11.775	105	39165	0.545	ppbv	97
69) p-Isopropyltoluene	11.934	119	31693	0.519	ppbv	98
70) n-Butylbenzene	12.290	91	29488	0.490	ppbv	98
71) 2-Chlorotoluene	10.908	91	22193	0.508	ppbv	99
72) 4-Ethyltoluene	11.135	105	19639	0.504	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.209	105	16421	0.511	ppbv	96
74) 1,2,4-Trimethylbenzene	11.542	105	20091	0.558	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	12829	0.615	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	11708	0.556	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	12055	0.597	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	9193	0.588	ppbv	93
79) Naphthalene	13.520	128	14690	0.391	ppbv	97
80) Naphthalene,2-methyl-	14.468	142	2922m	0.298	ppbv	
81) 1,2,4-Trichlorobenzene	13.446	180	6640m	0.425	ppbv	

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

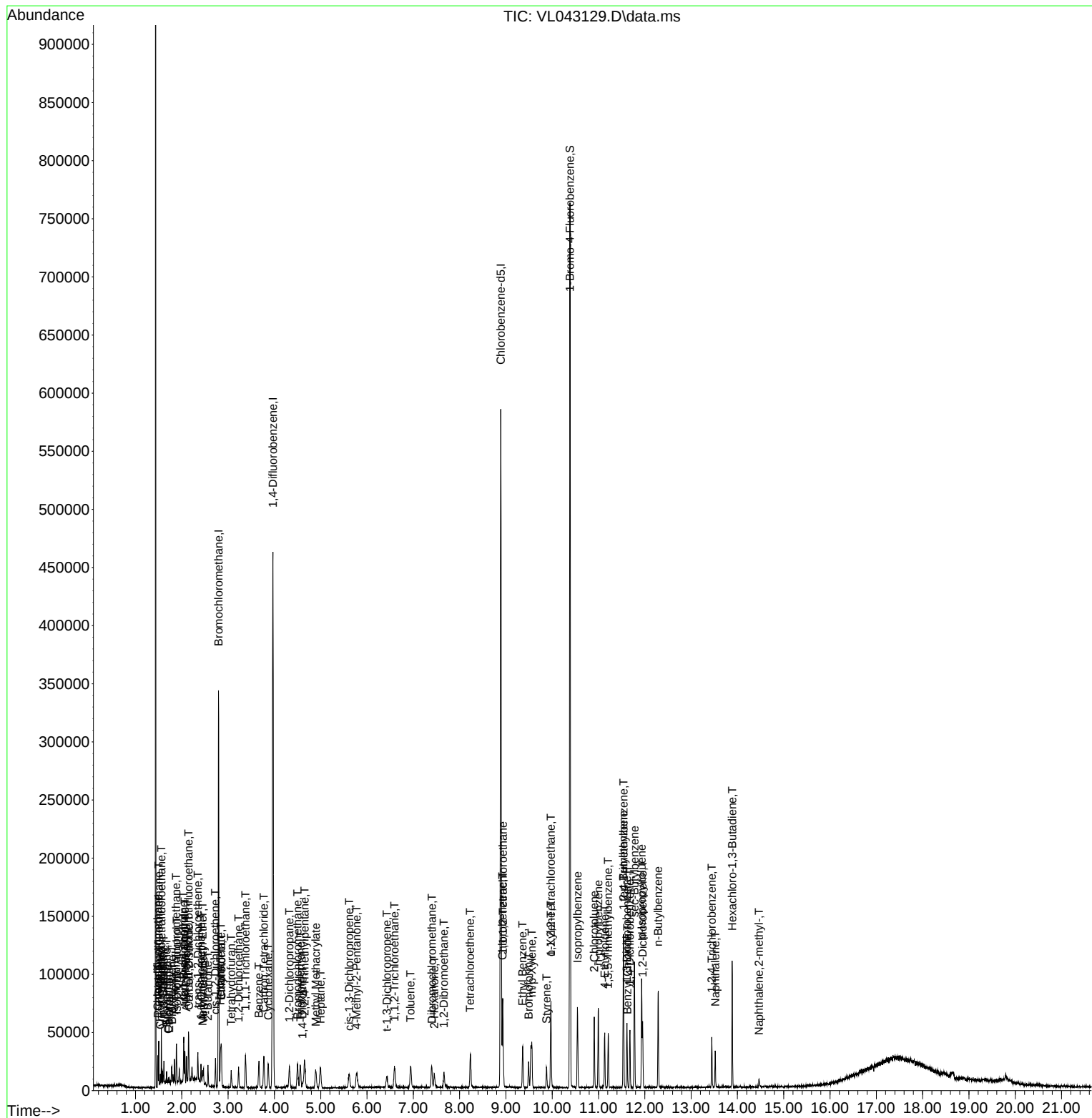
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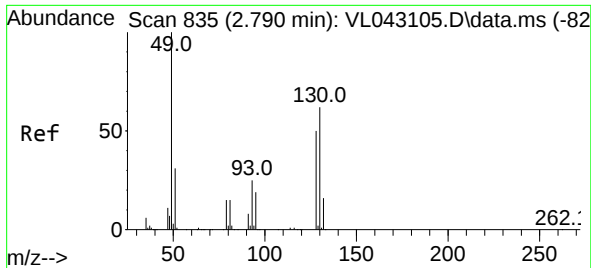
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

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APPROVED

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Supervised By :Mahesh Dadoda 10/17/2025

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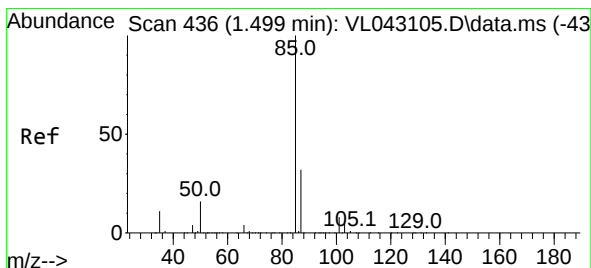
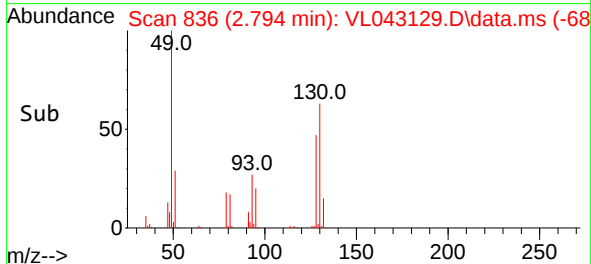
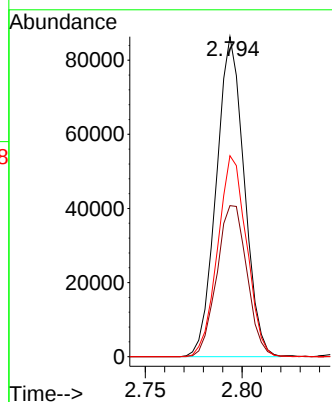
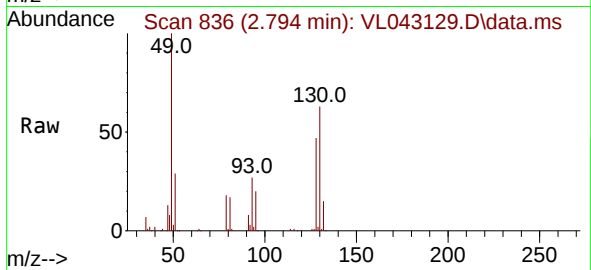
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 49 Resp: 8652
Ion Ratio Lower Upper
49 100
128 50.9 24.4 73.4
130 65.1 31.0 93.0

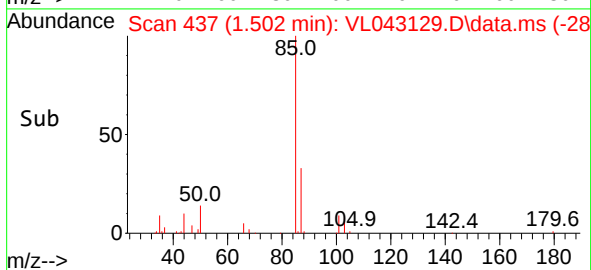
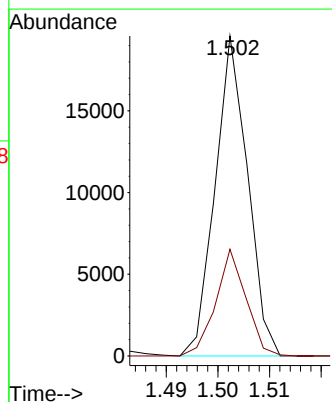
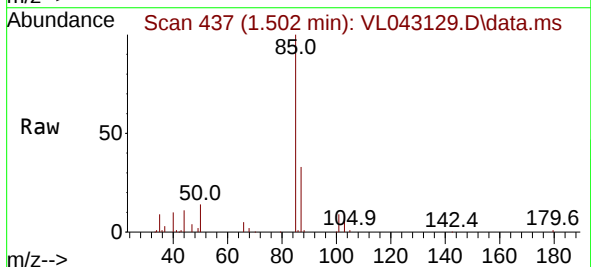
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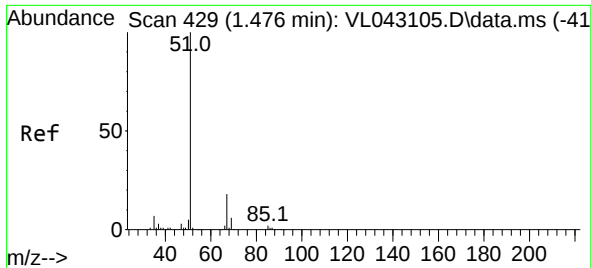
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#2
Dichlorodifluoromethane
Concen: 0.696 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

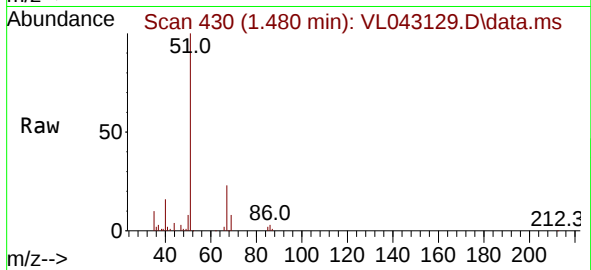
Tgt Ion: 85 Resp: 8563
Ion Ratio Lower Upper
85 100
87 33.4 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.561 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

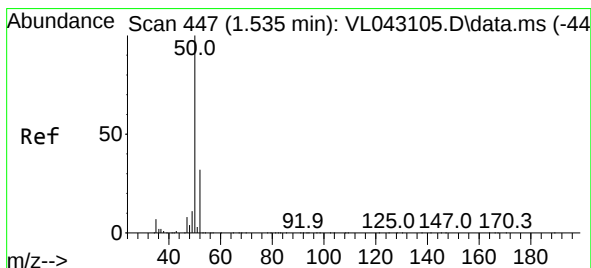
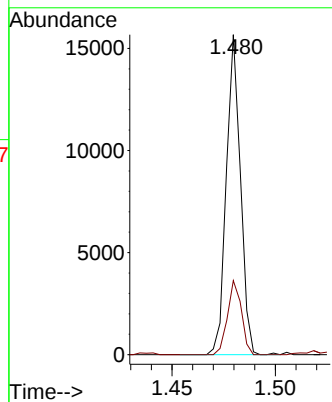
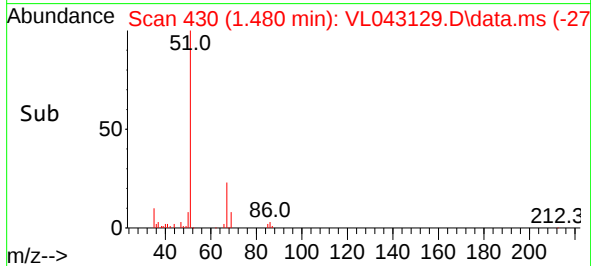
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 51 Resp: 746
Ion Ratio Lower Upper
51 100
67 22.8 15.1 22.7

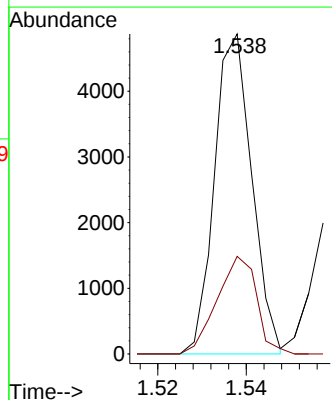
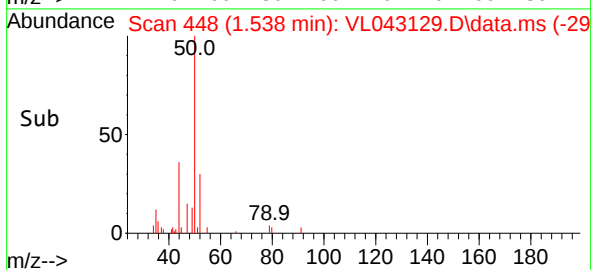
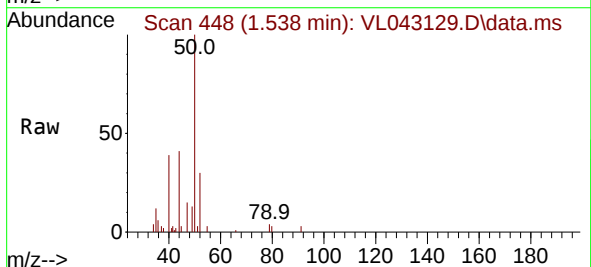
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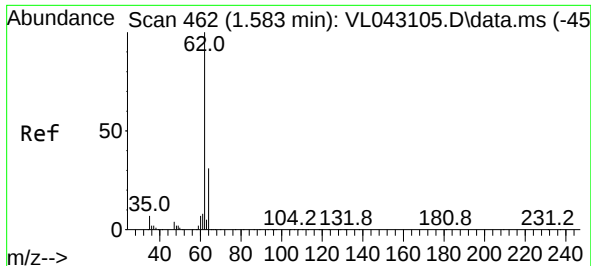
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#4
Chloromethane
Concen: 0.586 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

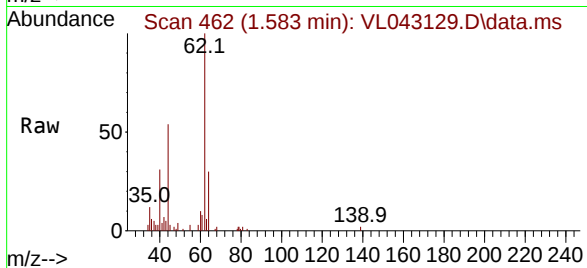
Tgt Ion: 50 Resp: 2855
Ion Ratio Lower Upper
50 100
52 30.5 25.2 37.8





#5
 Vinyl Chloride
 Concen: 0.609 ppbv
 RT: 1.583 min Scan# 409
 Delta R.T. 0.000 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

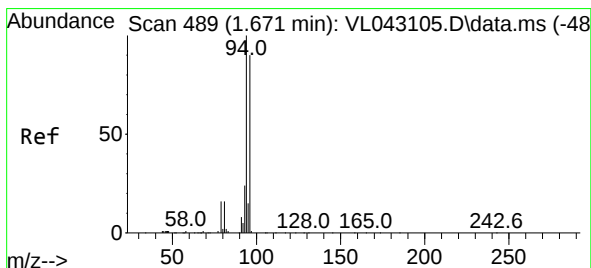
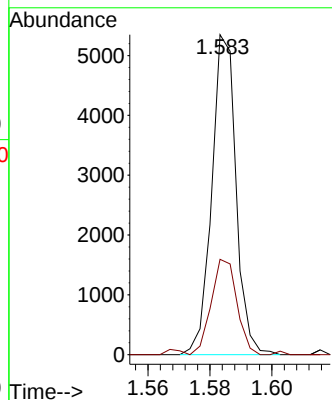
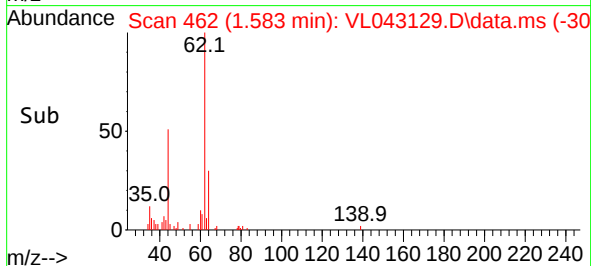
Instrument :
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 ClientSampleId :
 LOQ-AIR-02-QT3-2025



Tgt Ion: 62 Resp: 2909
 Ion Ratio Lower Upper
 62 100
 64 28.7 24.6 36.8

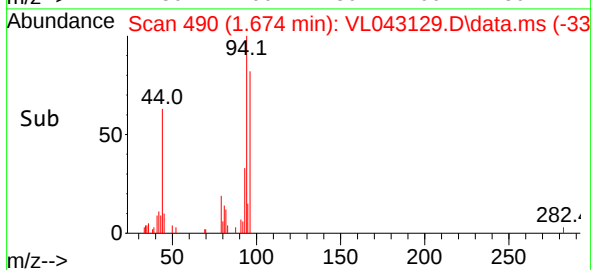
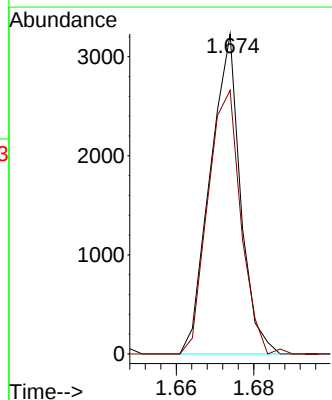
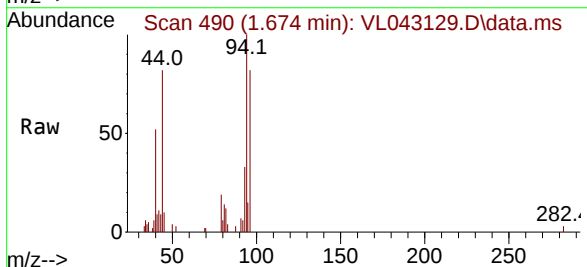
Manual Integrations
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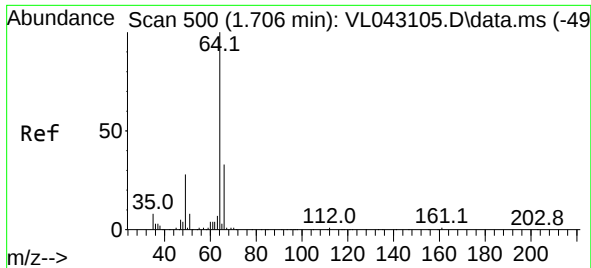
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#6
 Bromomethane
 Concen: 0.668 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

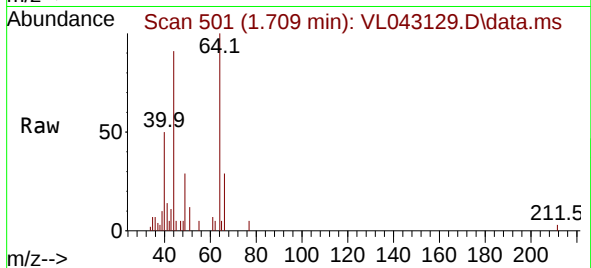
Tgt Ion: 94 Resp: 1752
 Ion Ratio Lower Upper
 94 100
 96 82.4 72.2 108.4





#7
Chloroethane
Concen: 0.680 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

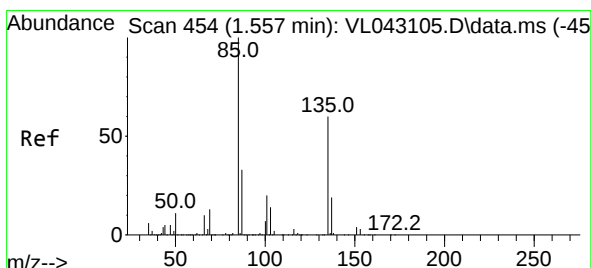
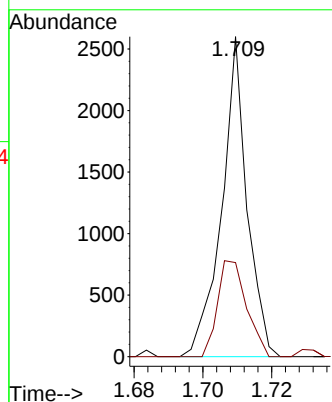
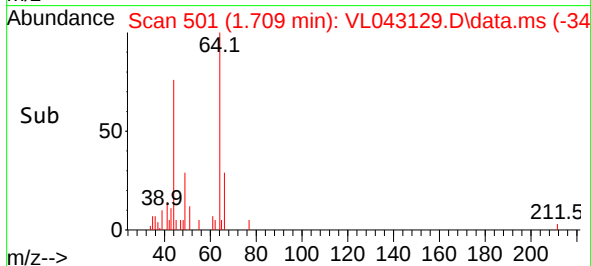
Instrument :
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ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 64 Resp: 1328
Ion Ratio Lower Upper
64 100
66 29.4 26.0 39.0

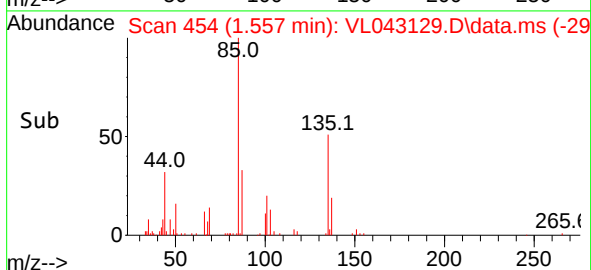
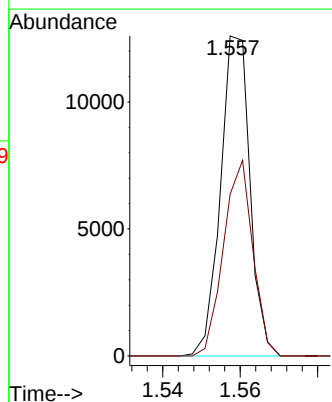
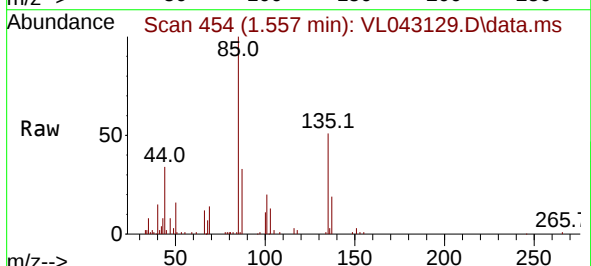
Manual Integrations
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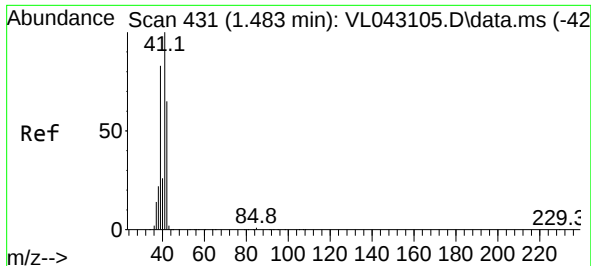
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#8
Dichlorotetrafluoroethane
Concen: 0.671 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

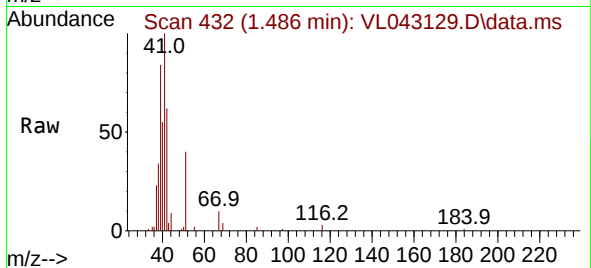
Tgt Ion: 85 Resp: 6670
Ion Ratio Lower Upper
85 100
135 60.7 48.2 72.4





#9
 Propene
 Concen: 0.459 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

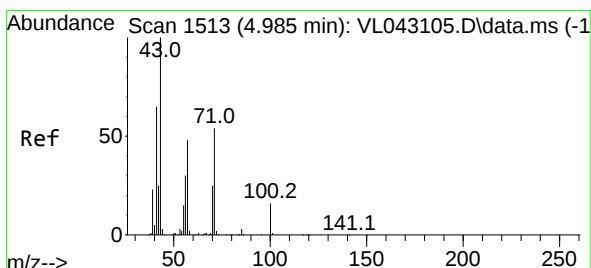
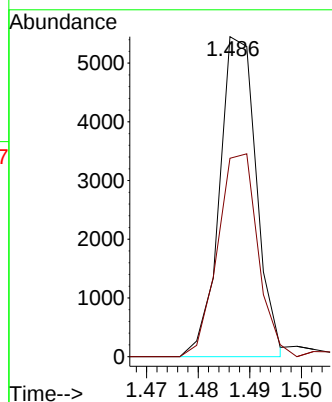
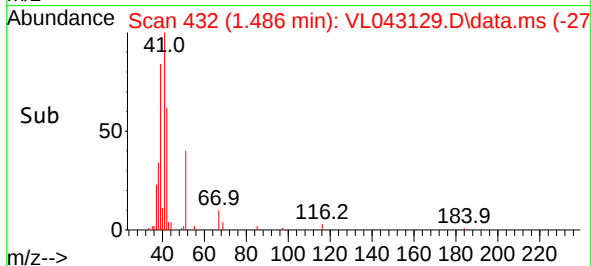
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Tgt Ion: 41 Resp: 2708
 Ion Ratio Lower Upper
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 42 77.1 55.1 82.7

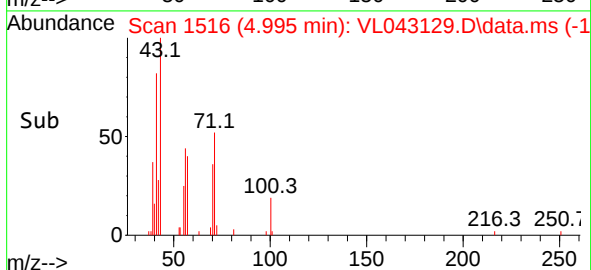
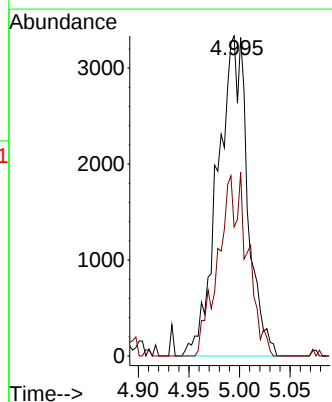
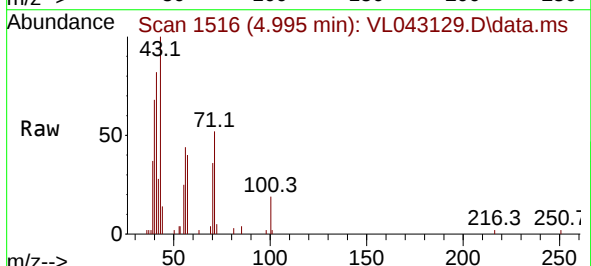
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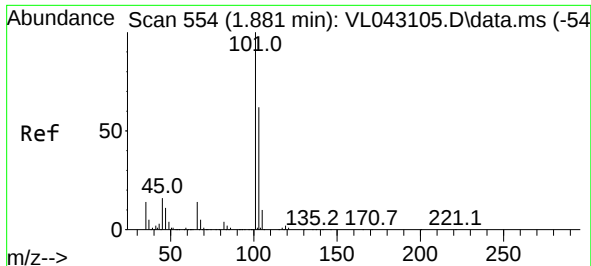
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#10
 Heptane
 Concen: 0.405 ppbv m
 RT: 4.995 min Scan# 1516
 Delta R.T. 0.010 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion: 43 Resp: 6877
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.8 61.2#





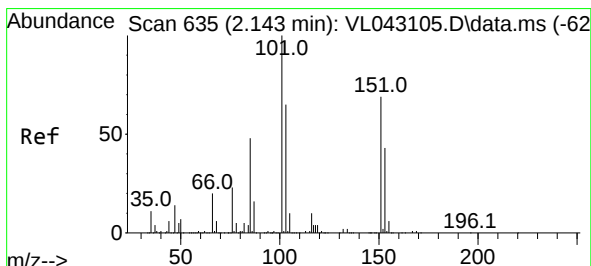
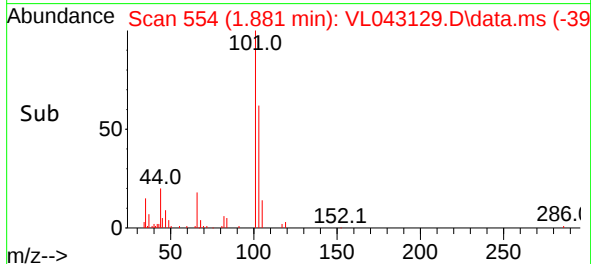
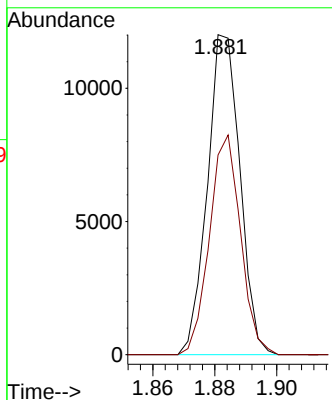
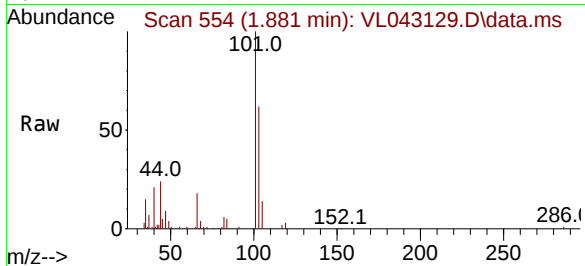
#11
Trichlorofluoromethane
Concen: 0.730 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion:101 Resp: 8780
Ion Ratio Lower Upper
101 100
103 62.4 49.3 73.9

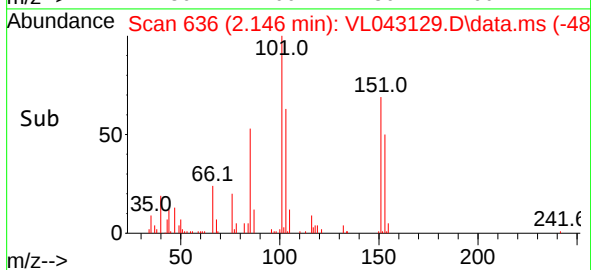
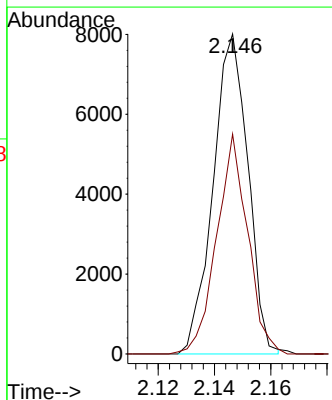
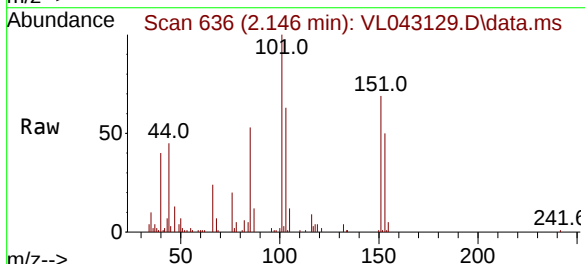
Manual Integrations
APPROVED

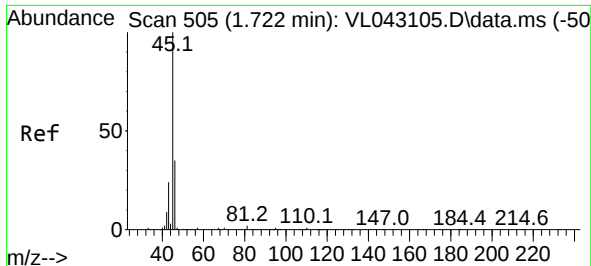
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.711 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

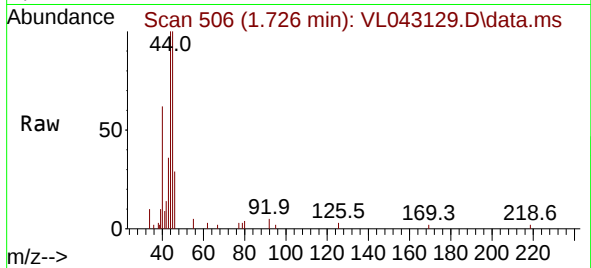
Tgt Ion:101 Resp: 6884
Ion Ratio Lower Upper
101 100
151 61.2 54.7 82.1





#13
Ethanol
Concen: 0.729 ppbv
RT: 1.726 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

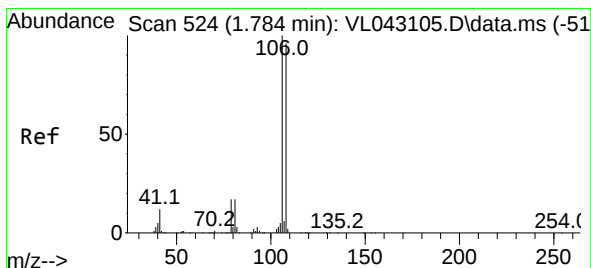
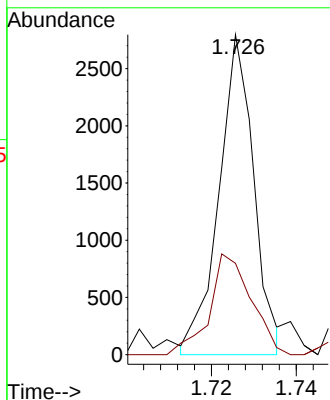
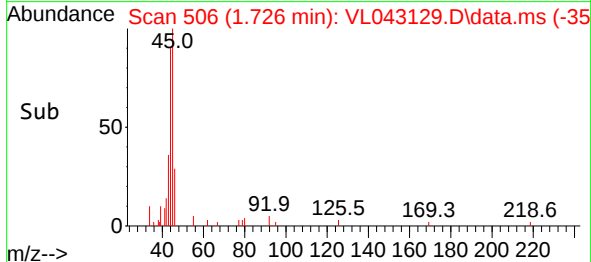
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



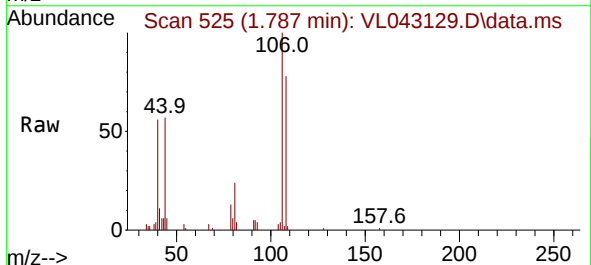
Tgt Ion: 45 Resp: 1592
Ion Ratio Lower Upper
45 100
46 43.5 14.7 58.9

Manual Integrations
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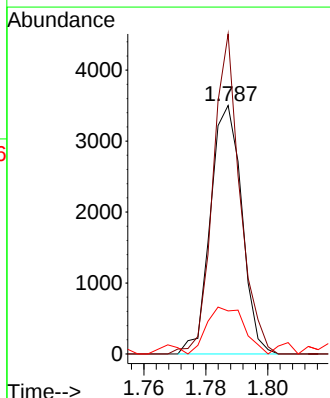
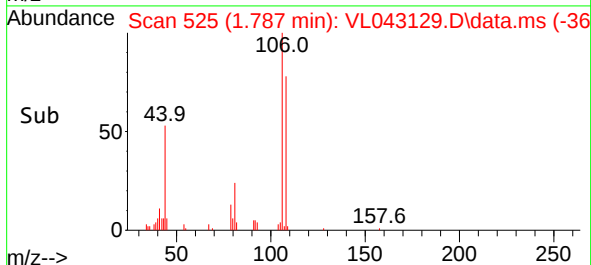
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

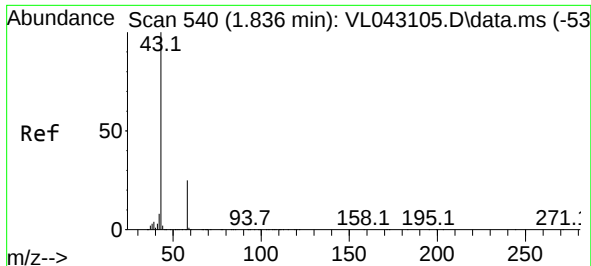


#14
Bromoethene
Concen: 0.685 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49



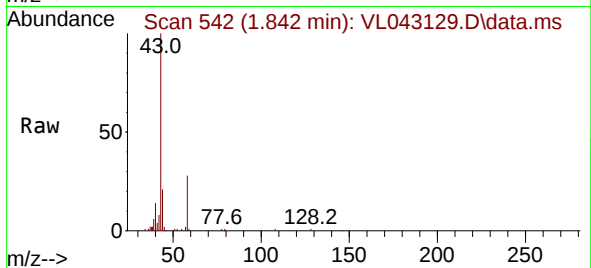
Tgt Ion:108 Resp: 2465
Ion Ratio Lower Upper
108 100
106 110.6 84.4 126.6
79 27.4 15.3 22.9#





#15
Acetone
Concen: 0.810 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

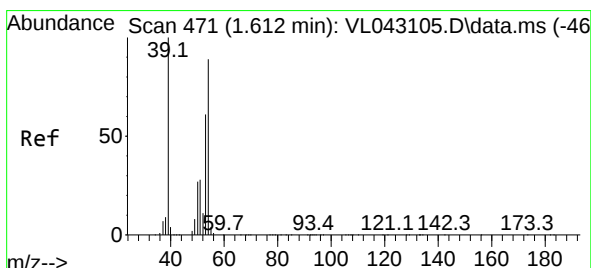
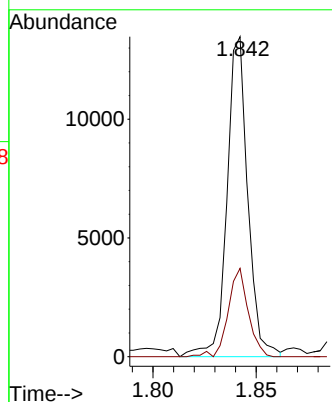
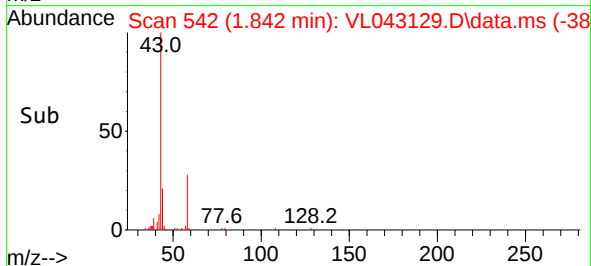
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 43 Resp: 9449
Ion Ratio Lower Upper
43 100
58 26.5 20.8 31.2

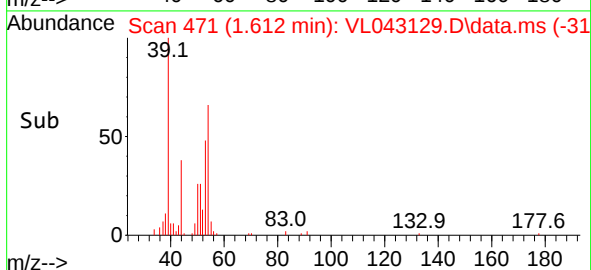
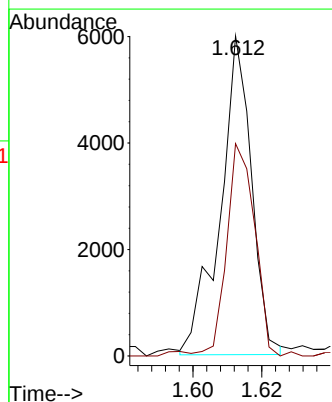
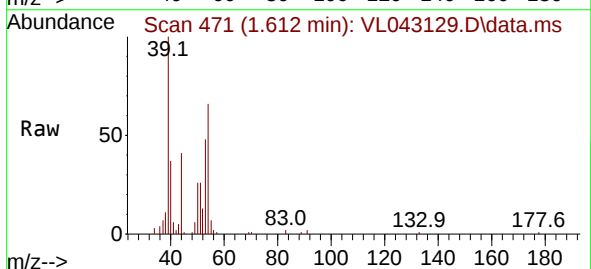
Manual Integrations
APPROVED

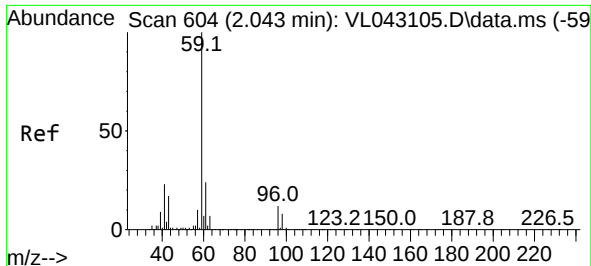
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#16
1,3-Butadiene
Concen: 0.683 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 39 Resp: 3797
Ion Ratio Lower Upper
39 100
54 61.4 59.0 88.4





#17

tert-Butyl alcohol

Concen: 0.648 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion: 59 Resp: 10380

Ion Ratio Lower Upper

59 100

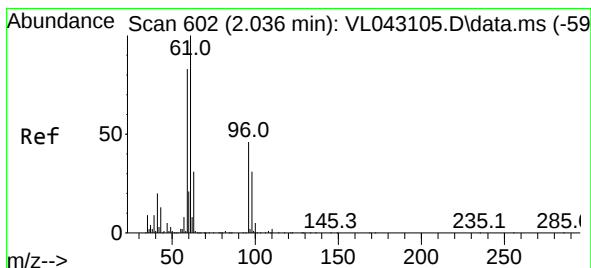
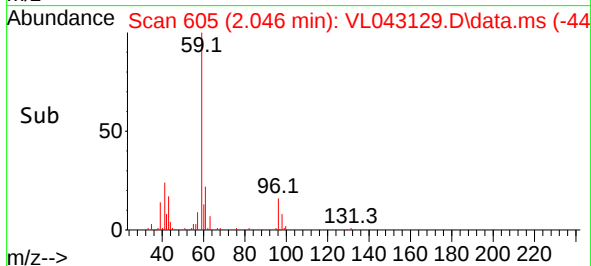
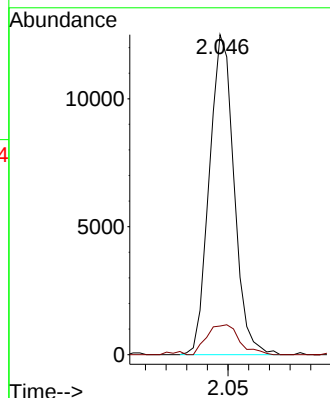
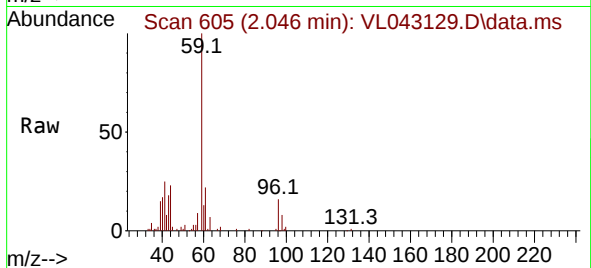
57 12.8 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#18

1,1-Dichloroethene

Concen: 0.681 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

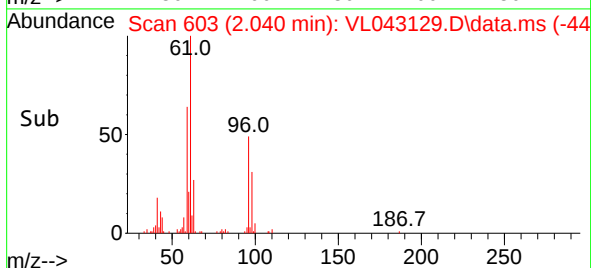
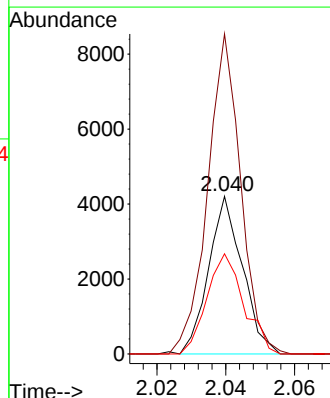
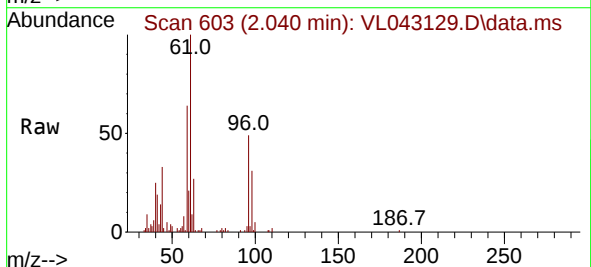
Tgt Ion: 96 Resp: 2874

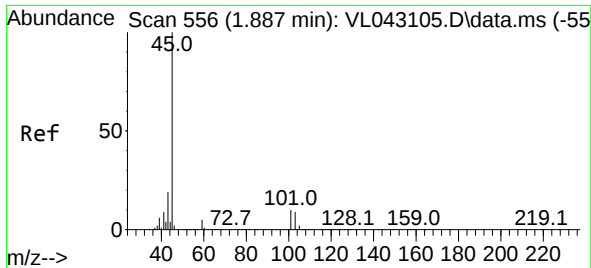
Ion Ratio Lower Upper

96 100

61 201.0 173.4 260.0

98 63.5 53.2 79.8





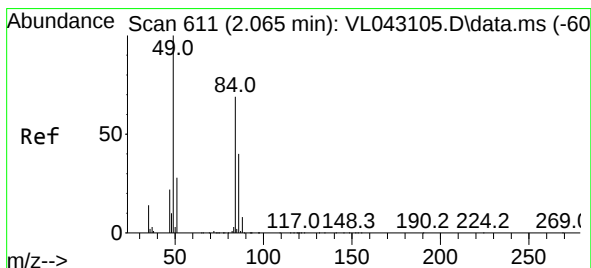
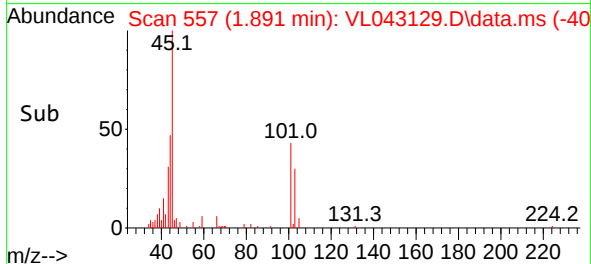
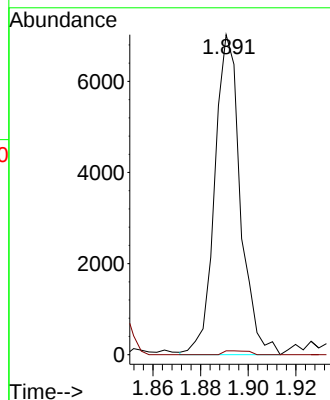
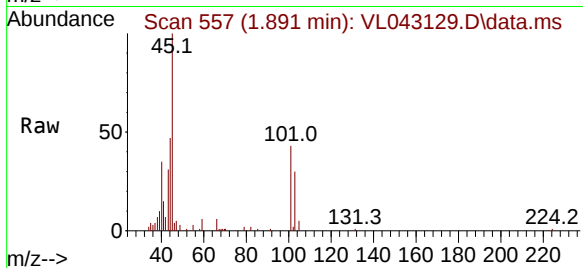
#19
Isopropyl Alcohol
Concen: 0.724 ppbv
RT: 1.891 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 45 Resp: 5259
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9

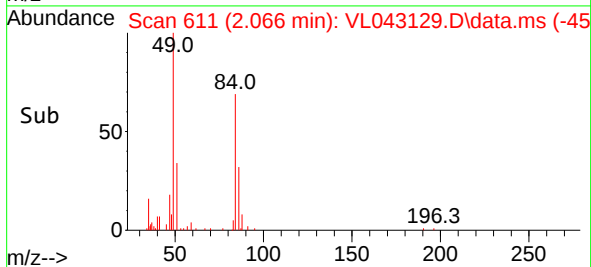
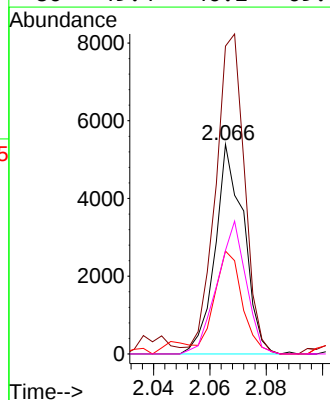
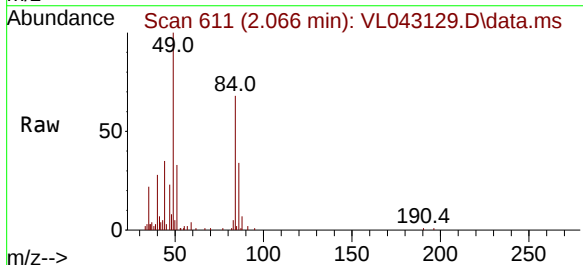
Manual Integrations
APPROVED

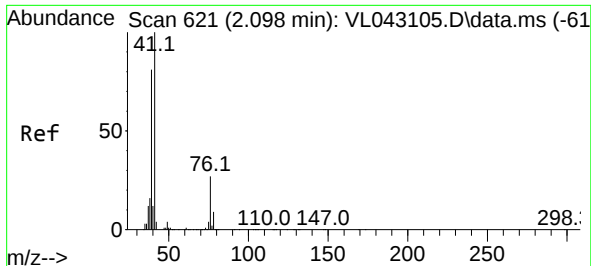
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#20
Methylene Chloride
Concen: 0.823 ppbv
RT: 2.066 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 84 Resp: 3796
Ion Ratio Lower Upper
84 100
49 146.9 116.6 175.0
51 49.1 34.8 52.2
86 49.4 46.2 69.4





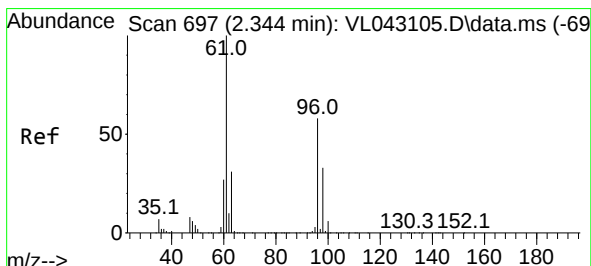
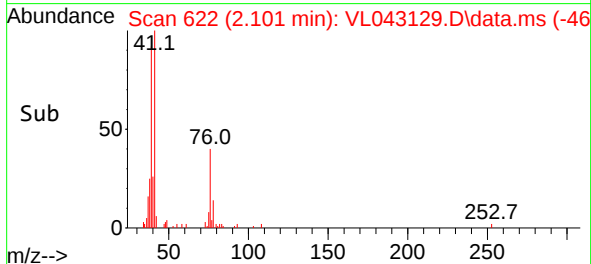
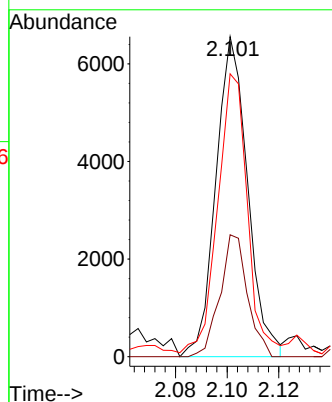
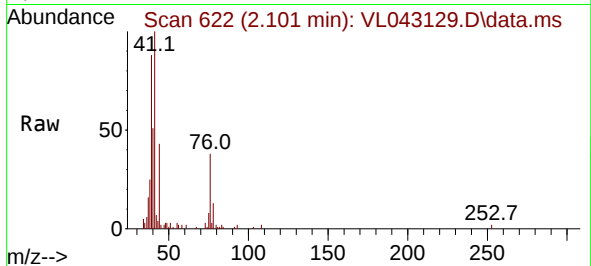
#21
 Allyl Chloride
 Concen: 0.652 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Tgt Ion: 41 Resp: 559
 Ion Ratio Lower Upper
 41 100
 76 33.2 21.5 32.3
 39 83.0 60.8 91.2

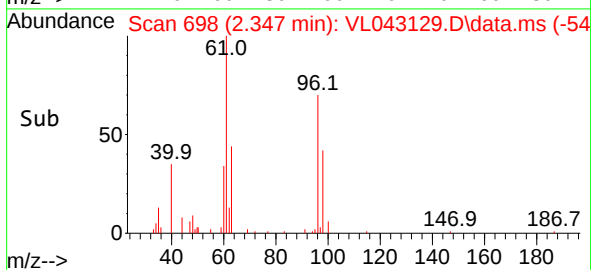
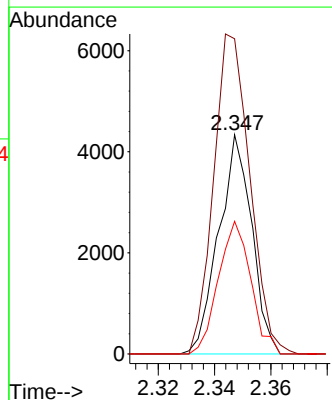
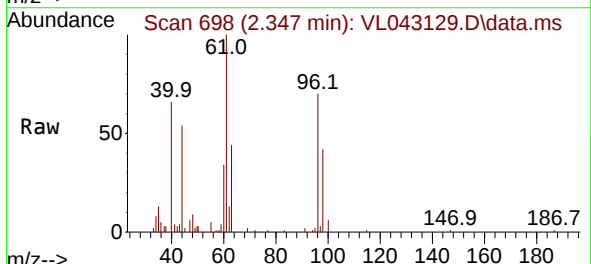
Manual Integrations
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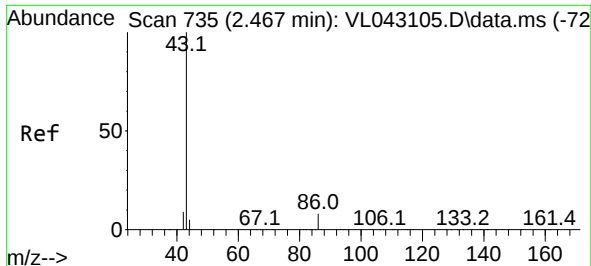
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.699 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

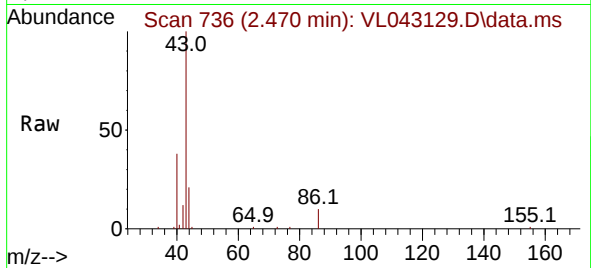
Tgt Ion: 96 Resp: 3529
 Ion Ratio Lower Upper
 96 100
 61 143.8 137.0 205.6
 98 60.5 45.5 68.3





#23
 Vinyl Acetate
 Concen: 0.532 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

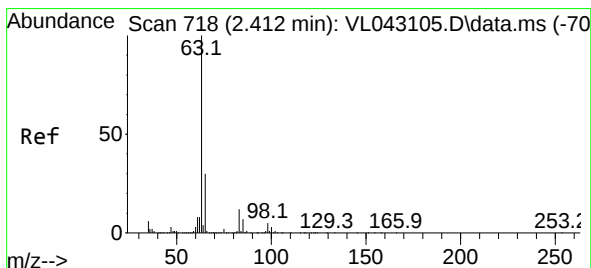
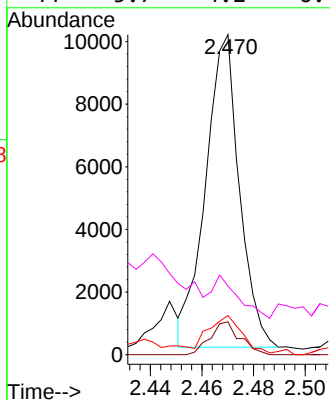
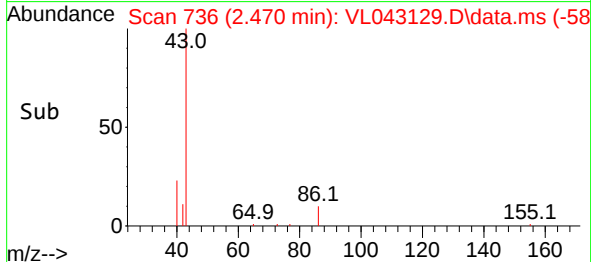


Tgt Ion: 43 Resp: 909

Ion	Ratio	Lower	Upper
43	100		
86	10.5	6.2	9.2
42	11.5	7.6	11.4
44	5.7	4.2	6.4

Manual Integrations
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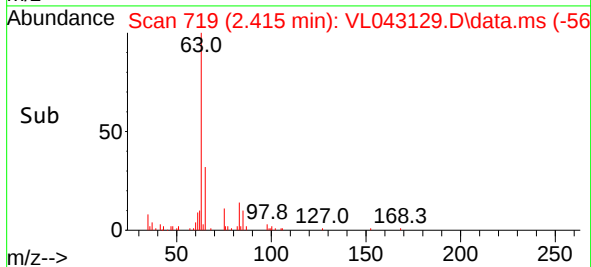
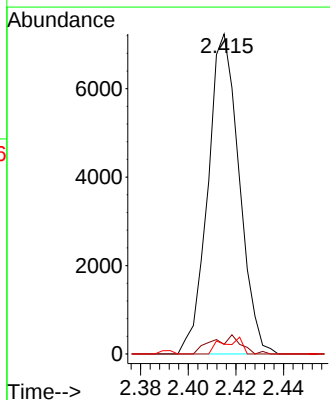
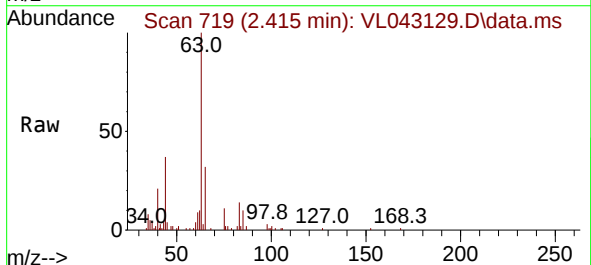
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

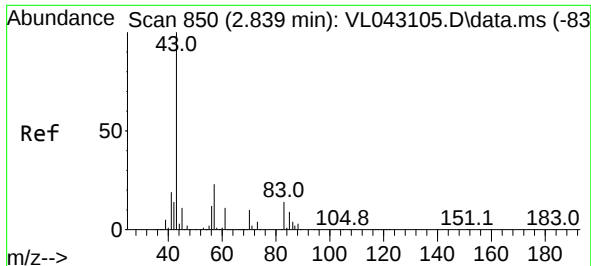


#24
 1,1-Dichloroethane
 Concen: 0.677 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion: 63 Resp: 6604

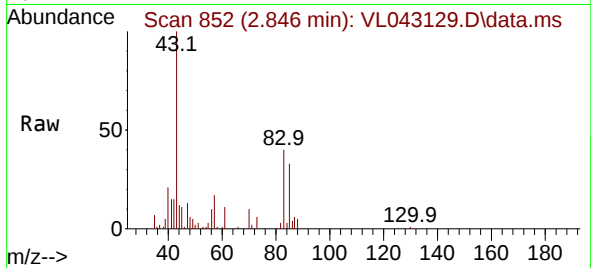
Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.6	7.8
100	3.0	1.5	4.4





#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.846 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

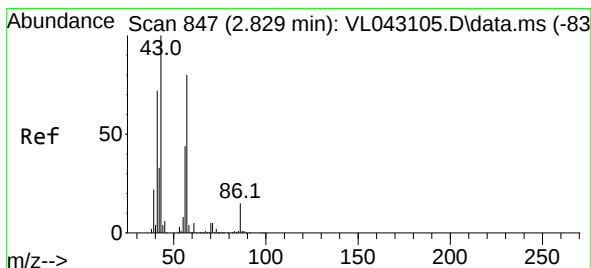
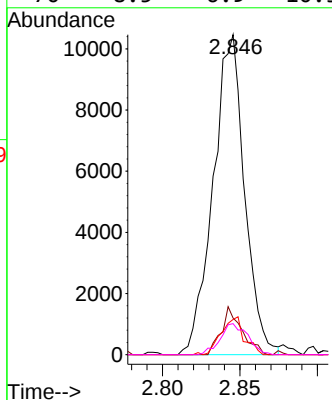
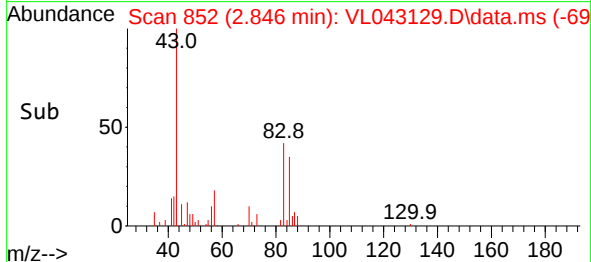
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
45 10.0 7.8 11.8
61 8.7 7.0 10.6
70 8.5 6.9 10.3

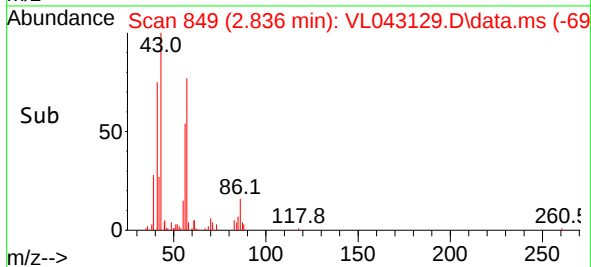
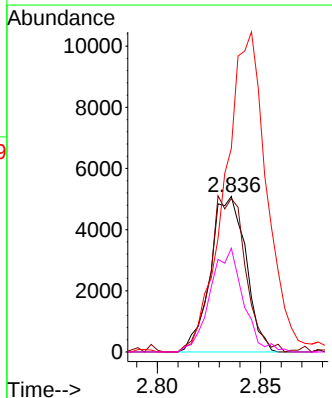
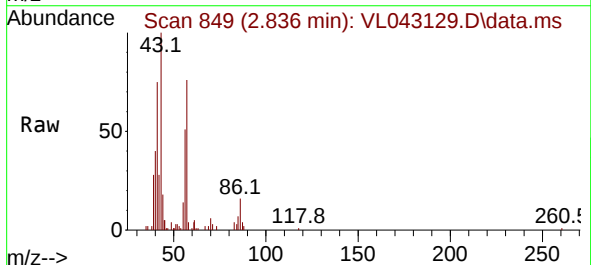
Manual Integrations
APPROVED

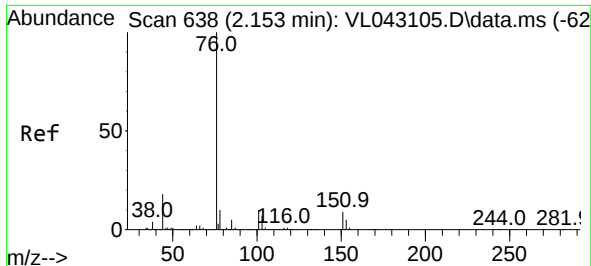
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#26
Hexane
Concen: 0.455 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

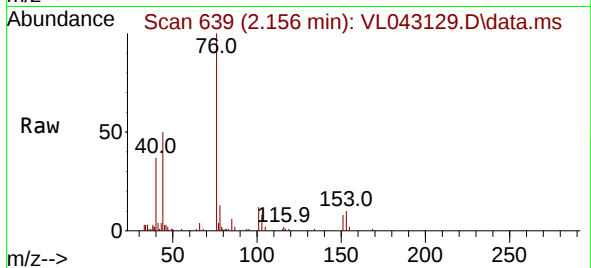
Tgt Ion: 57 Resp: 6063
Ion Ratio Lower Upper
57 100
41 104.9 71.4 107.0
43 250.5 178.5 267.7
56 62.3 42.2 63.4





#27
Carbon Disulfide
Concen: 0.651 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

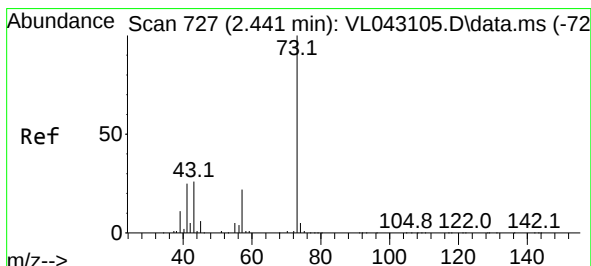
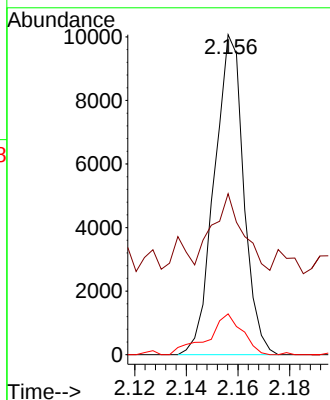
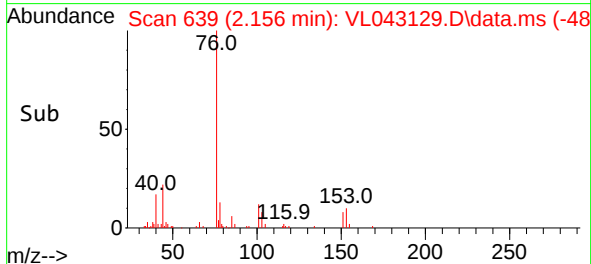
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 76 Resp: 7952
Ion Ratio Lower Upper
76 100
44 82.7 16.7 25.1
78 15.1 9.3 13.9

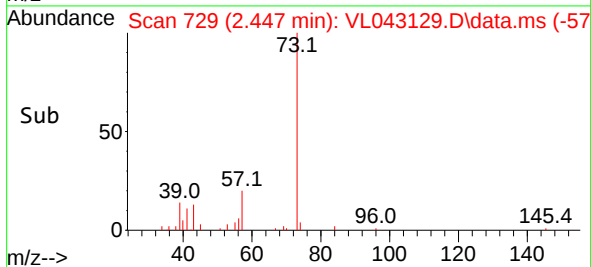
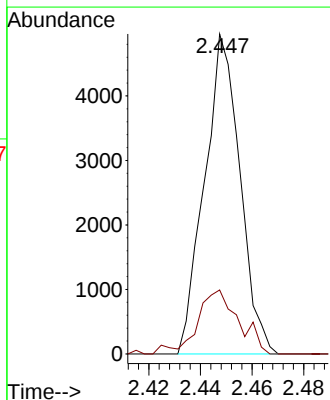
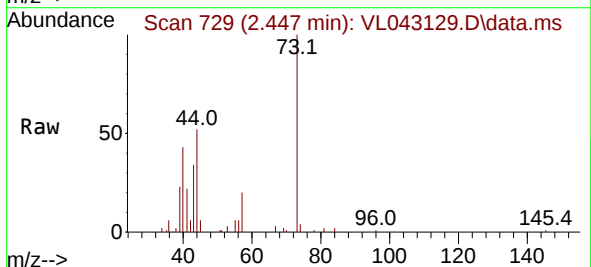
Manual Integrations
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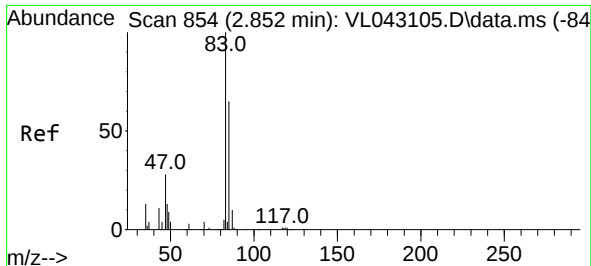
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#28
Methyl tert-Butyl Ether
Concen: 0.780 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 73 Resp: 4728
Ion Ratio Lower Upper
73 100
57 24.3 20.5 30.7





#29

Chloroform

Concen: 0.618 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion: 83 Resp: 11940

Ion Ratio Lower Upper

83 100

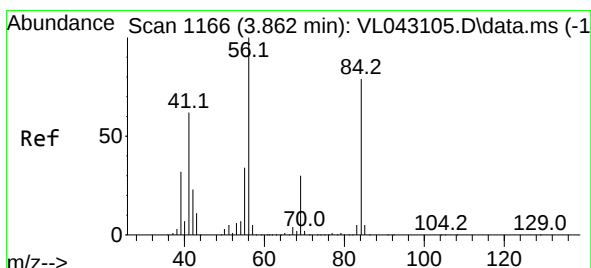
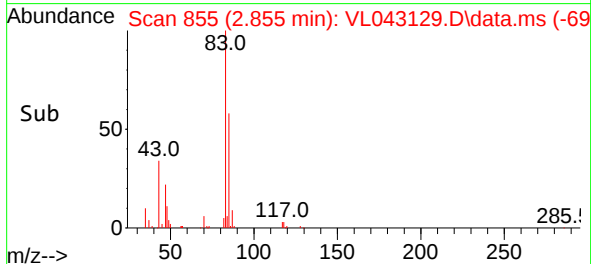
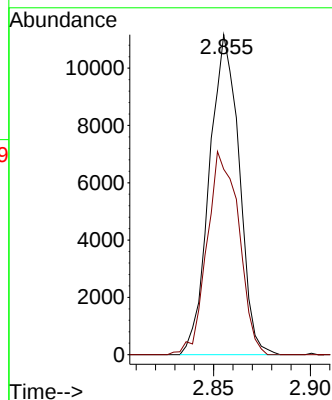
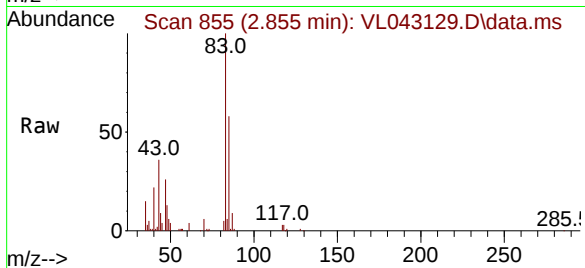
85 58.0 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#30

Cyclohexane

Concen: 0.505 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

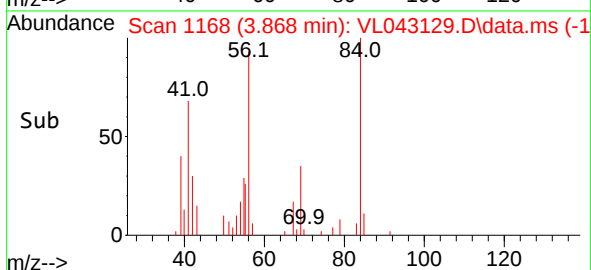
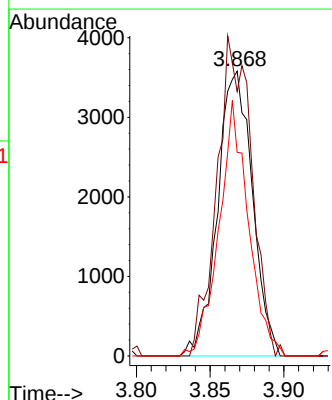
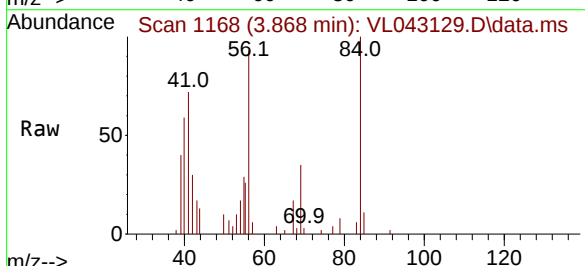
Tgt Ion: 84 Resp: 5874

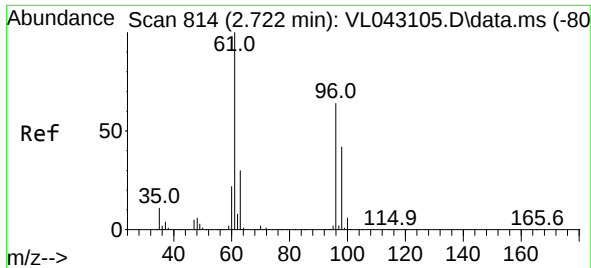
Ion Ratio Lower Upper

84 100

56 111.8 100.9 151.3

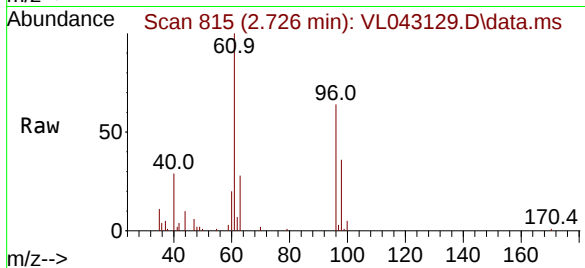
41 75.5 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.570 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

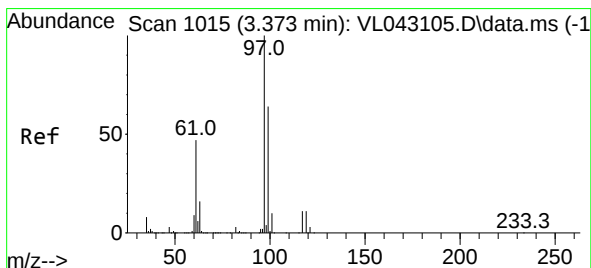
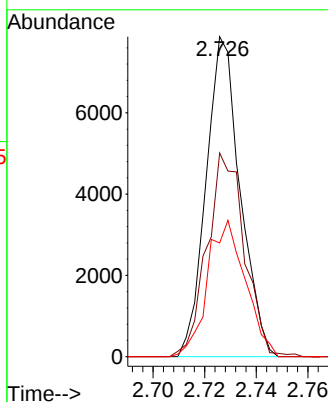
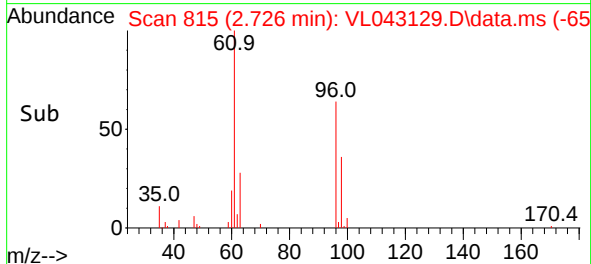
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025



Tgt Ion: 61 Resp: 7249
 Ion Ratio Lower Upper
 61 100
 96 62.6 51.0 76.6
 98 35.5 33.5 50.3

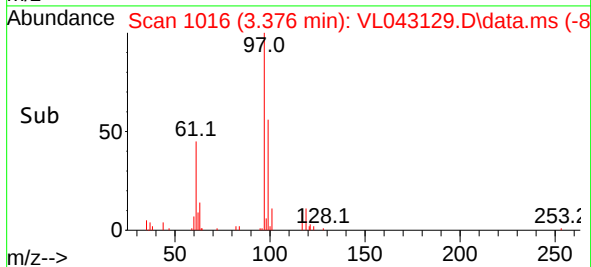
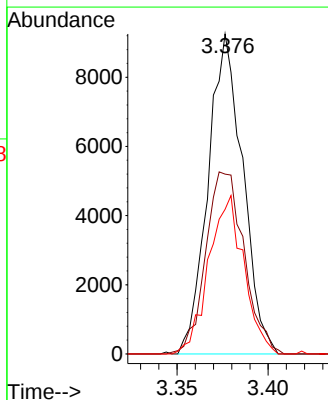
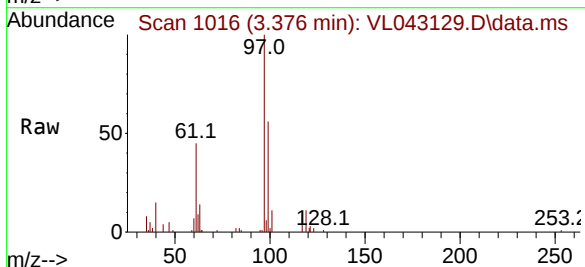
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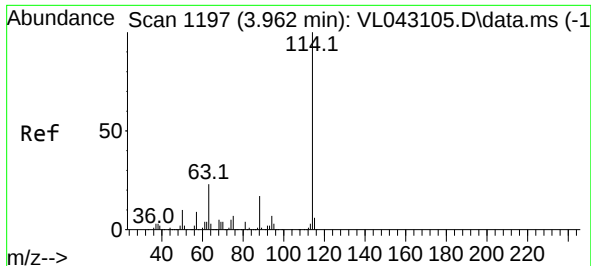
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.610 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

Tgt Ion: 97 Resp: 12264
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.3 76.9
 61 50.0 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. 0.007 min

Lab File: VL043129.D

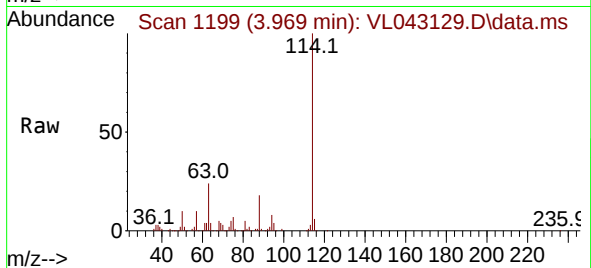
Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025



Tgt Ion:114 Resp: 27649

Ion Ratio Lower Upper

114 100

63 25.2 19.3 28.9

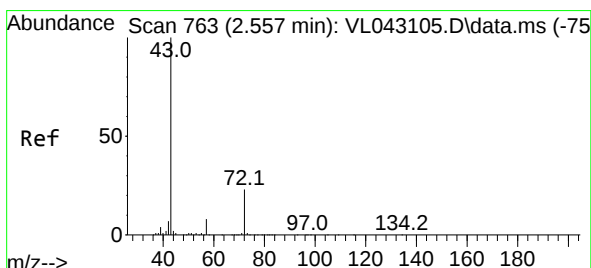
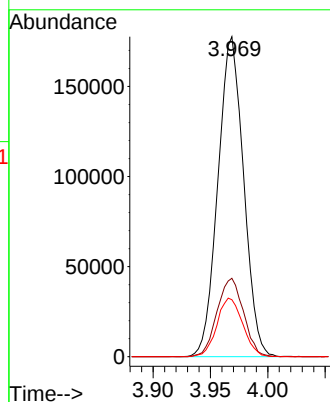
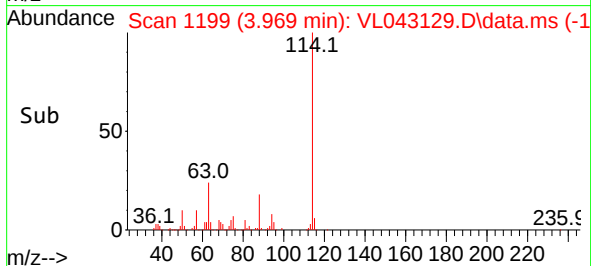
88 18.4 13.9 20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#34

2-Butanone

Concen: 0.549 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL043129.D

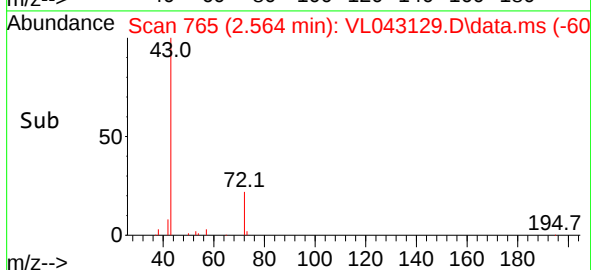
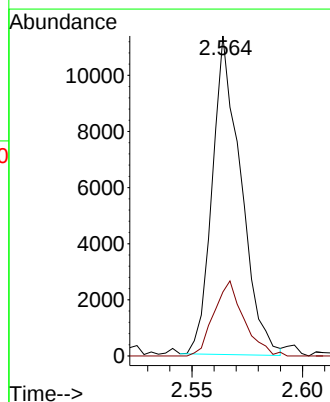
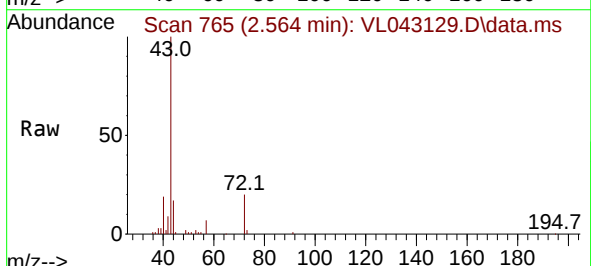
Acq: 16 Oct 2025 13:49

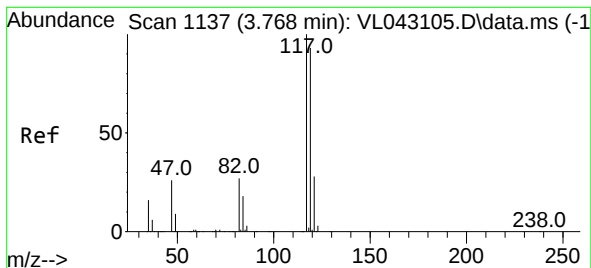
Tgt Ion: 43 Resp: 10195

Ion Ratio Lower Upper

43 100

72 24.8 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.632 ppbv

RT: 3.774 min Scan# 1139

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

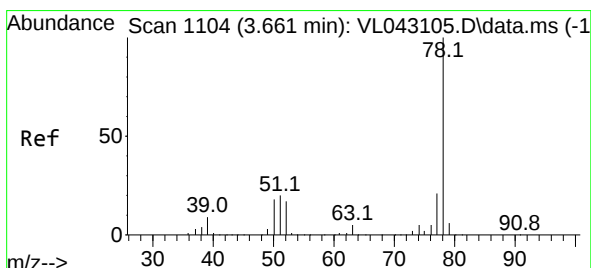
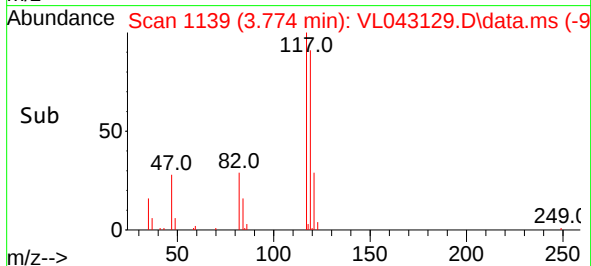
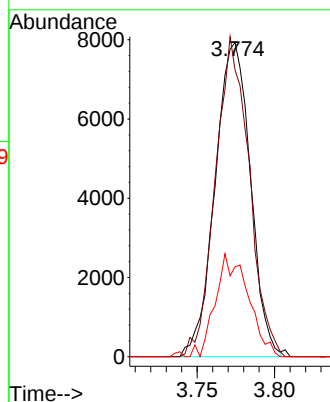
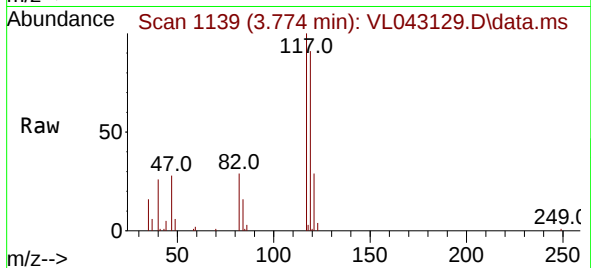
LOQ-AIR-02-QT3-2025

Tgt Ion:117	Resp:	1255
Ion Ratio	Lower	Upper
117	100	
119	91.2	74.1 111.1
121	28.6	22.2 33.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#36

Benzene

Concen: 0.530 ppbv

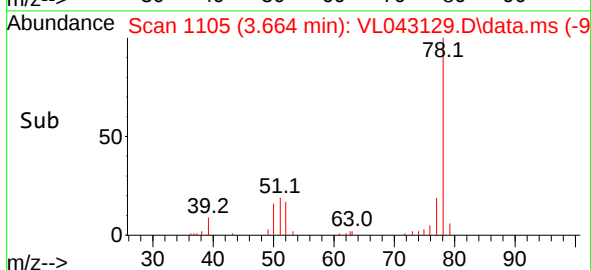
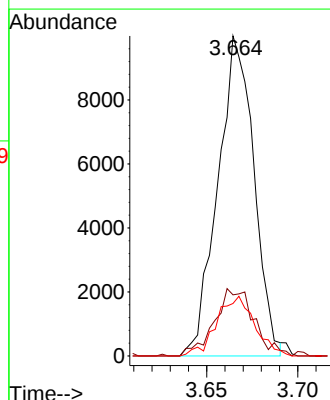
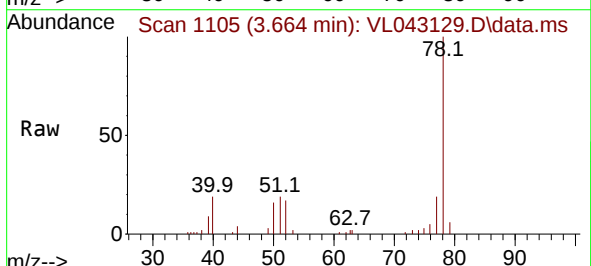
RT: 3.664 min Scan# 1105

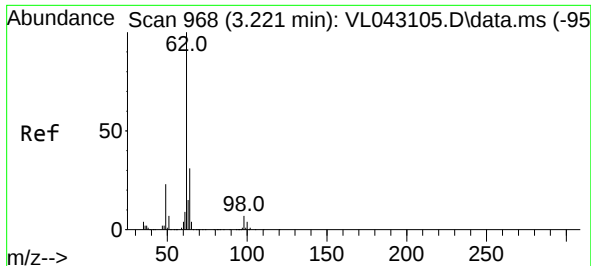
Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Tgt Ion: 78	Resp:	13796
Ion Ratio	Lower	Upper
78	100	
77	19.1	17.0 25.6
50	16.4	14.6 22.0





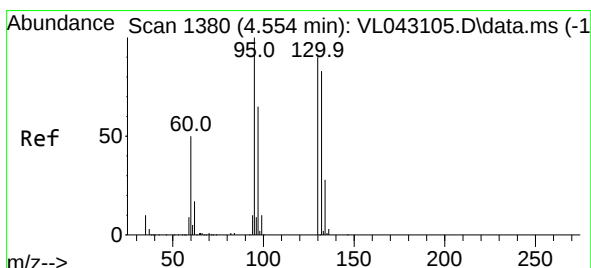
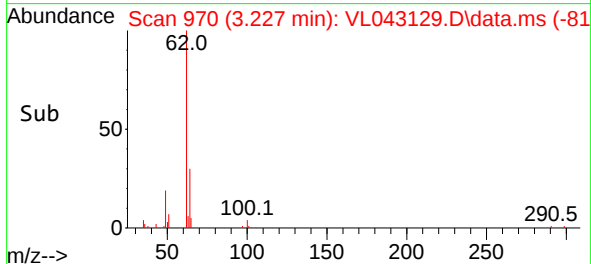
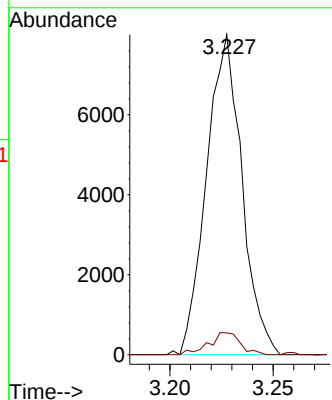
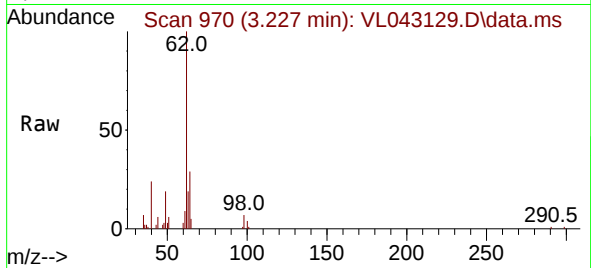
#37
1,2-Dichloroethane
Concen: 0.634 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 62 Resp: 951
Ion Ratio Lower Upper
62 100
98 6.4 5.8 8.6

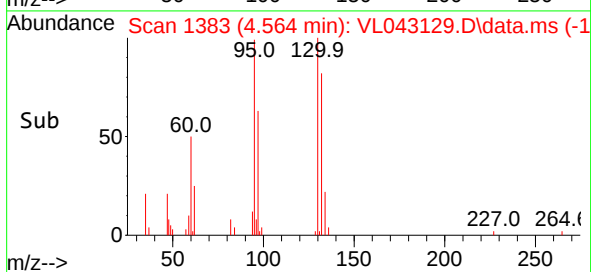
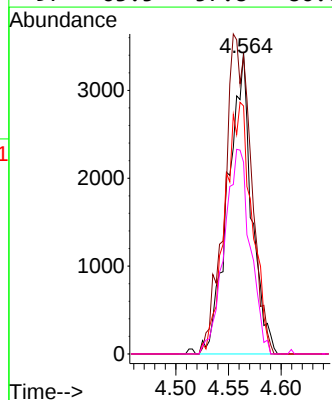
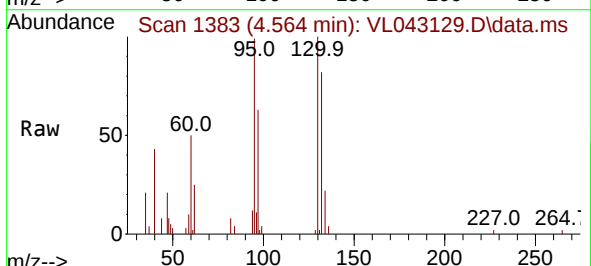
Manual Integrations
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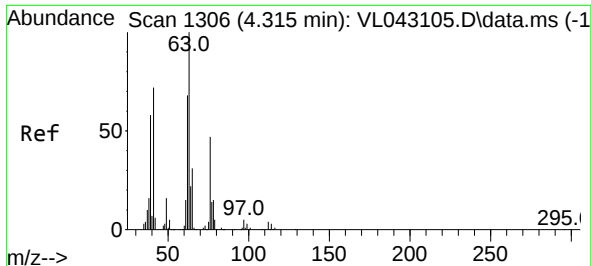
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#38
Trichloroethene
Concen: 0.495 ppbv m
RT: 4.564 min Scan# 1383
Delta R.T. 0.010 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:130 Resp: 5382
Ion Ratio Lower Upper
130 100
95 98.7 88.6 133.0
132 82.2 73.4 110.0
97 63.5 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.563 ppbv

RT: 4.321 min Scan# 1308

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

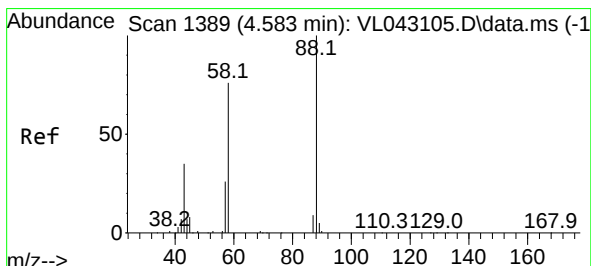
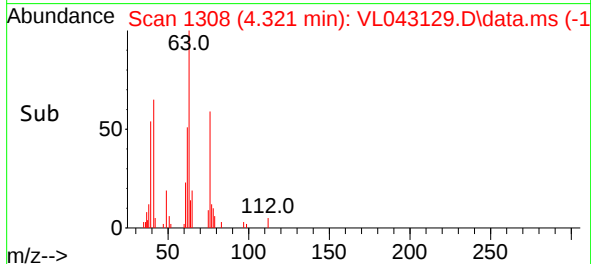
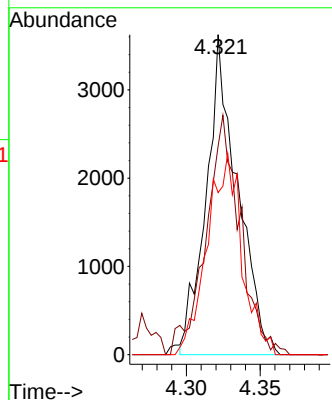
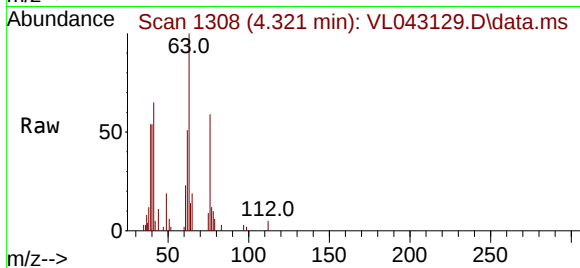
Tgt Ion: 63 Resp: 5358

Ion	Ratio	Lower	Upper
63	100		
41	63.3	58.0	87.0
62	50.7	54.7	82.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#40

1,4-Dioxane

Concen: 0.511 ppbv m

RT: 4.606 min Scan# 1396

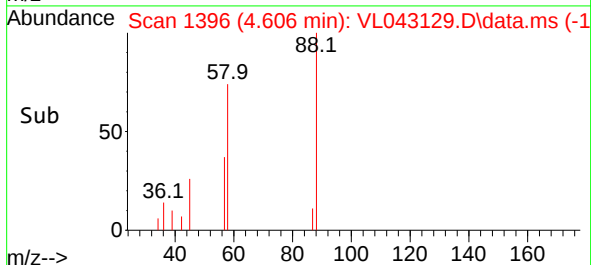
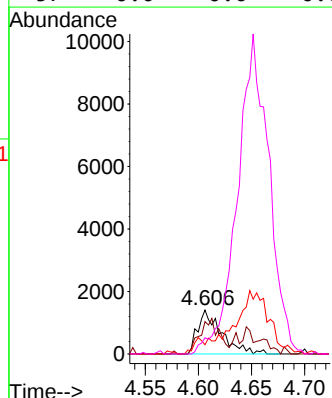
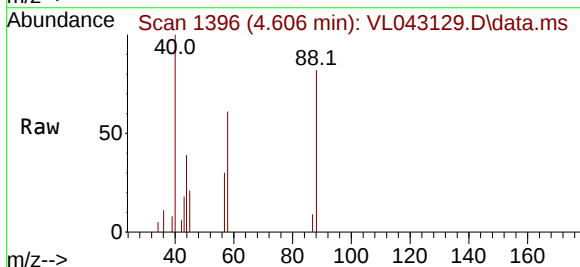
Delta R.T. 0.023 min

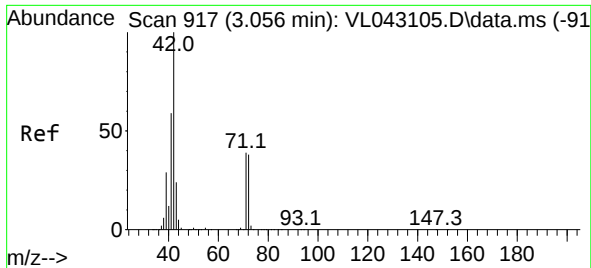
Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Tgt Ion: 88 Resp: 2177

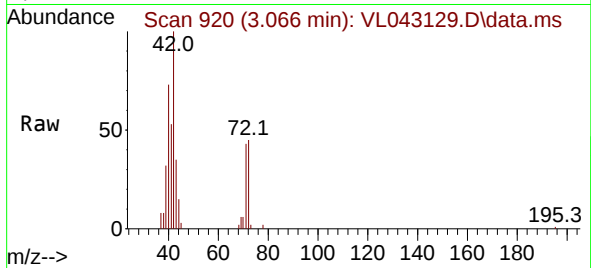
Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	0.0	24.0	36.0#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.458 ppbv m
RT: 3.066 min Scan# 917
Delta R.T. 0.010 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

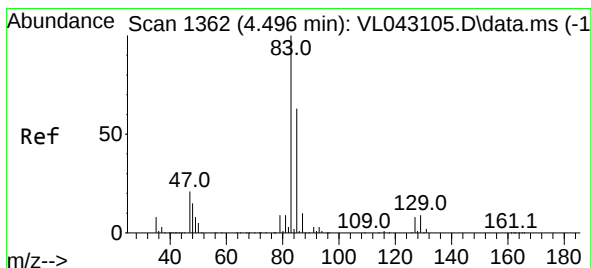
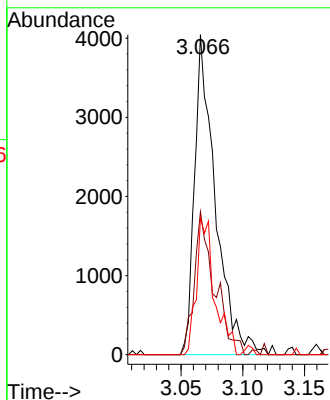
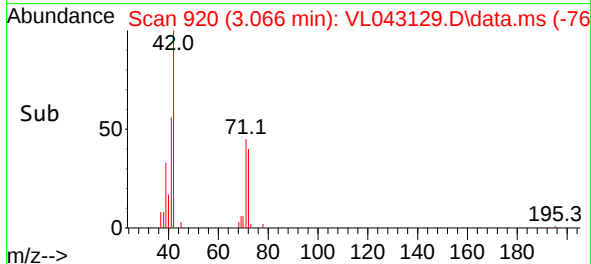
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 42 Resp: 476
Ion Ratio Lower Upper
42 100
72 43.7 31.3 46.9
71 38.1 30.4 45.6

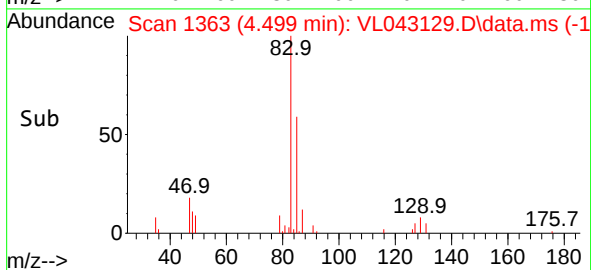
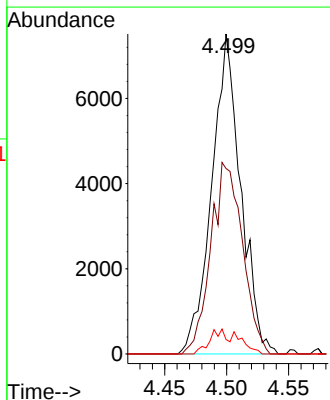
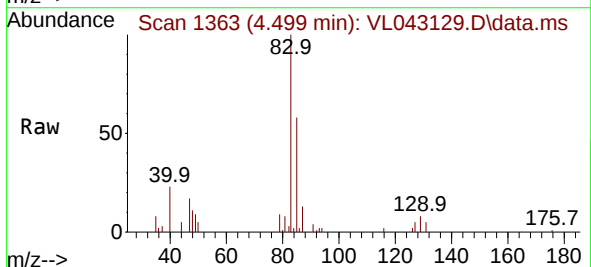
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#42
Bromodichloromethane
Concen: 0.590 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 83 Resp: 12247
Ion Ratio Lower Upper
83 100
85 58.0 50.6 75.8
127 4.5 6.3 9.5





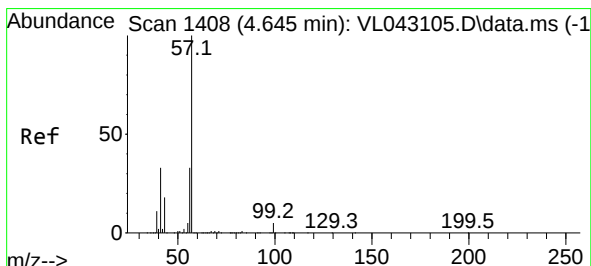
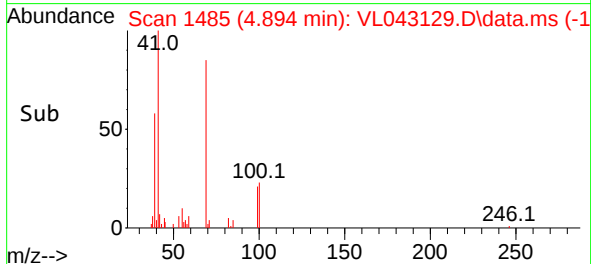
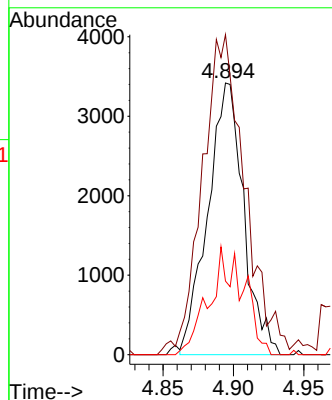
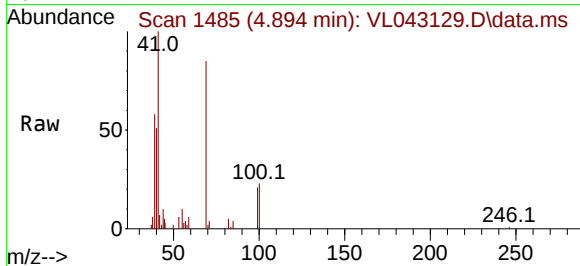
#43
Methyl Methacrylate
Concen: 0.457 ppbv
RT: 4.894 min Scan# 1485
Delta R.T. 0.013 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 69 Resp: 604
Ion Ratio Lower Upper
69 100
41 140.8 120.5 180.7
100 38.1 29.0 43.4

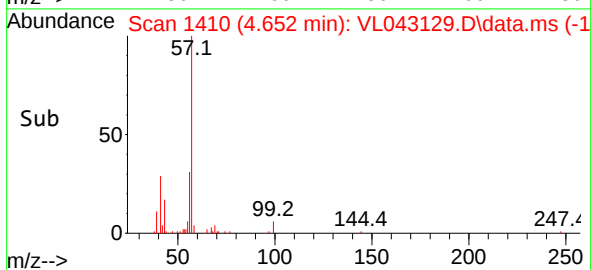
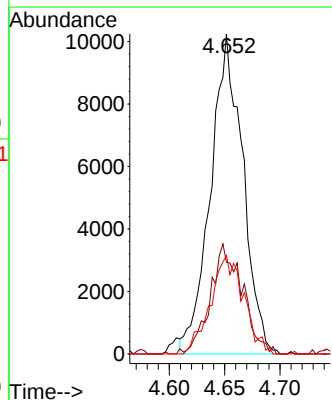
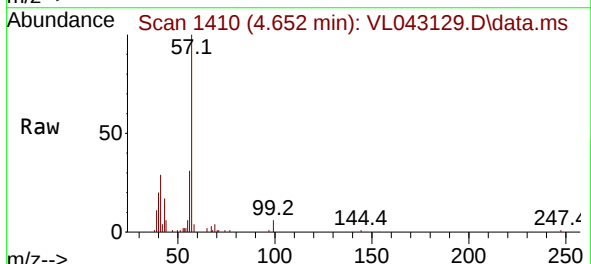
Manual Integrations
APPROVED

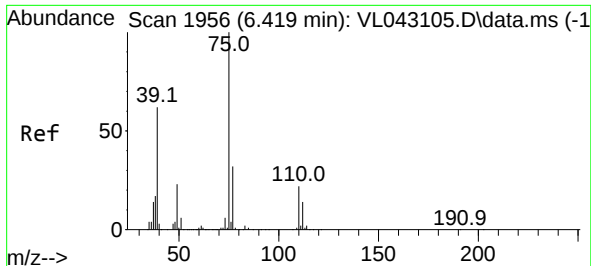
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#44
2,2,4-Trimethylpentane
Concen: 0.473 ppbv
RT: 4.652 min Scan# 1410
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion: 57 Resp: 20773
Ion Ratio Lower Upper
57 100
41 34.2 26.3 39.5
56 31.7 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.469 ppbv m

RT: 6.428 min Scan# 1959

Delta R.T. 0.010 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion: 75 Resp: 6228

Ion Ratio Lower Upper

75 100

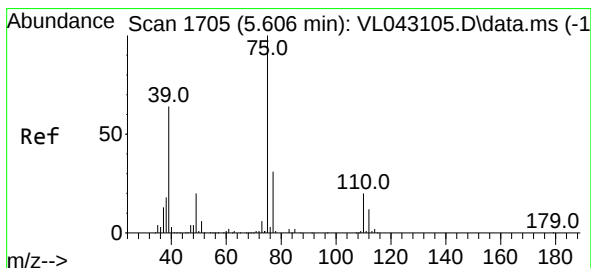
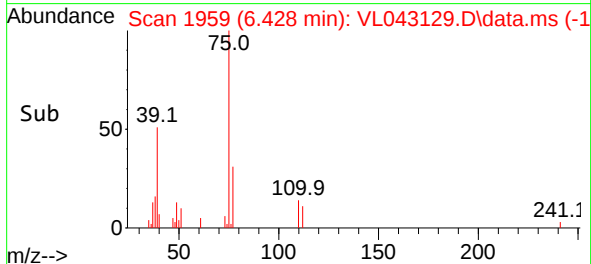
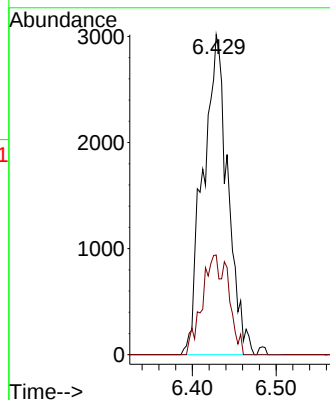
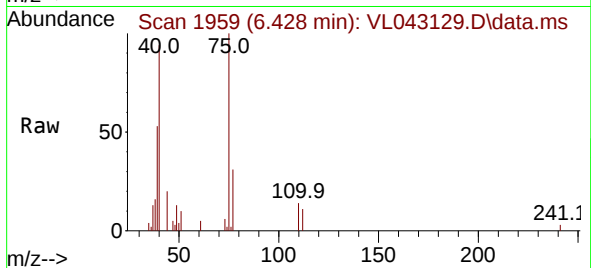
77 31.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#46

cis-1,3-Dichloropropene

Concen: 0.484 ppbv m

RT: 5.613 min Scan# 1707

Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

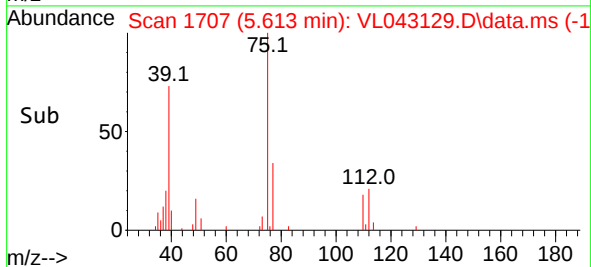
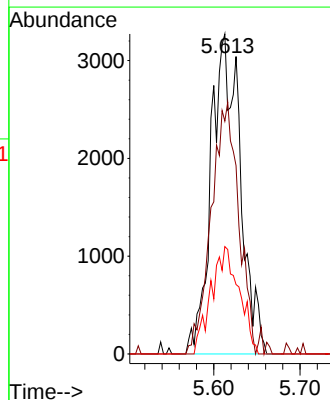
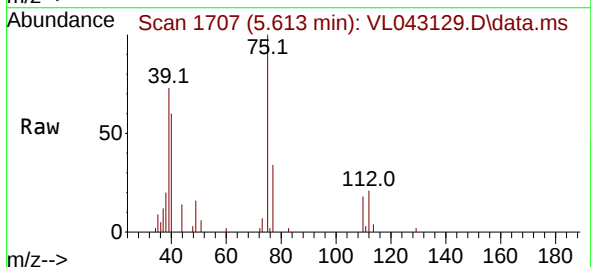
Tgt Ion: 75 Resp: 7675

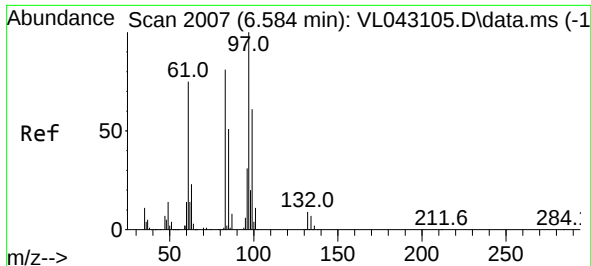
Ion Ratio Lower Upper

75 100

39 72.7 51.0 76.6

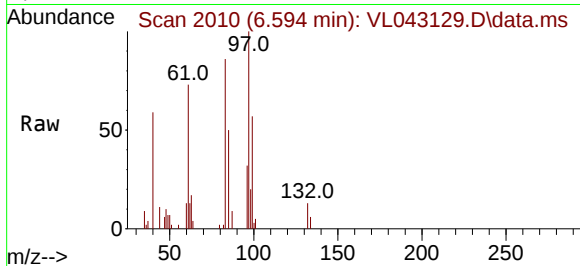
77 33.6 25.0 37.4





#47
1,1,2-Trichloroethane
Concen: 0.578 ppbv m
RT: 6.594 min Scan# 2007
Delta R.T. 0.010 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

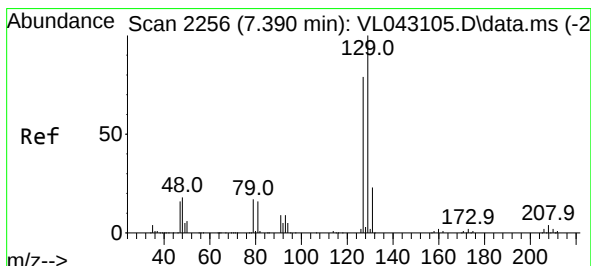
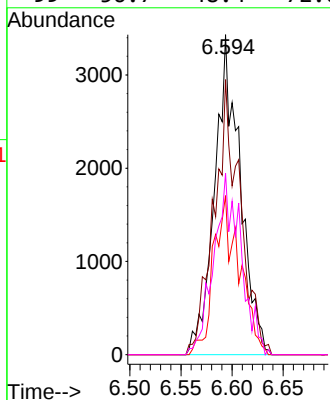
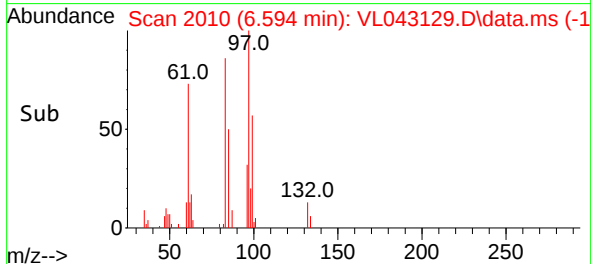
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	64.6	96.8
85	49.7	40.6	60.8
99	56.7	48.4	72.6

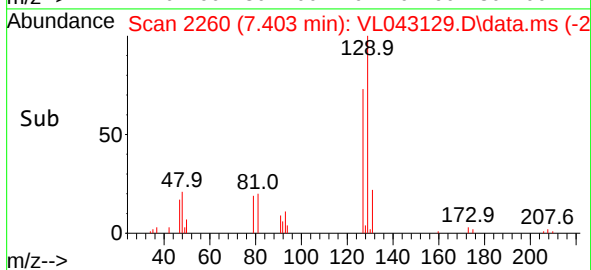
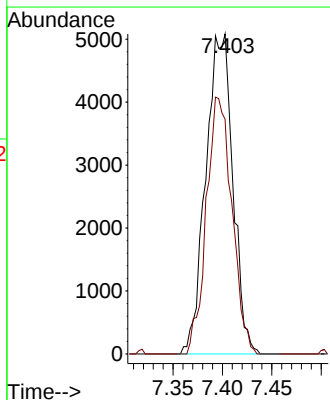
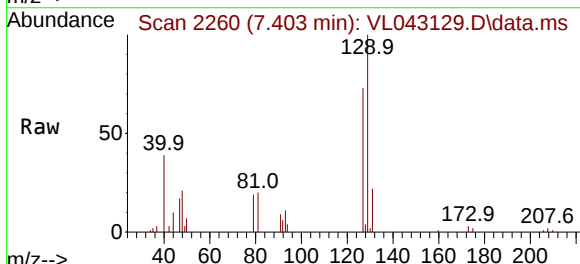
Manual Integrations
APPROVED

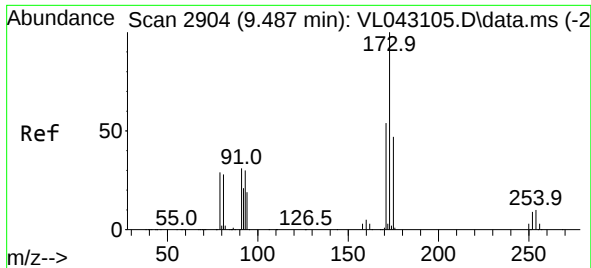
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#48
Dibromochloromethane
Concen: 0.565 ppbv m
RT: 7.403 min Scan# 2260
Delta R.T. 0.013 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#





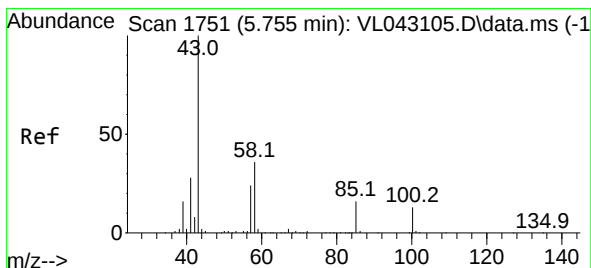
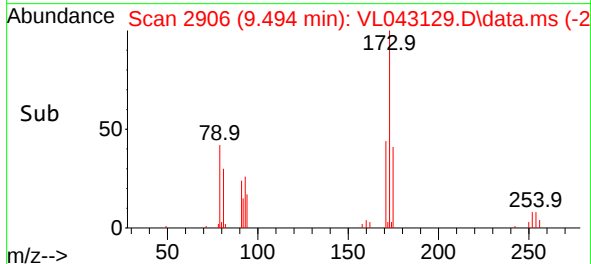
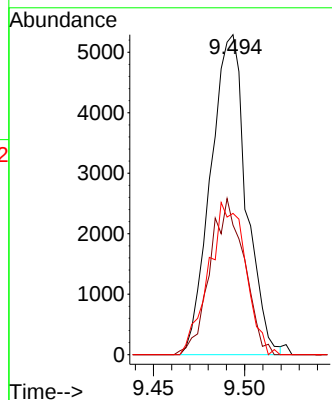
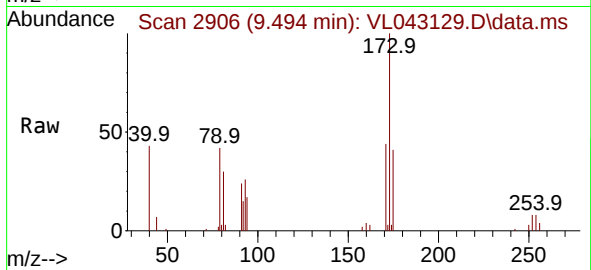
#49
Bromoform
Concen: 0.516 ppbv
RT: 9.494 min Scan# 2904
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion:173 Resp: 720
Ion Ratio Lower Upper
173 100
175 46.9 38.8 58.2
171 48.9 41.7 62.5

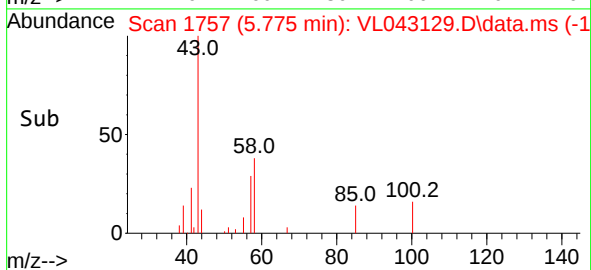
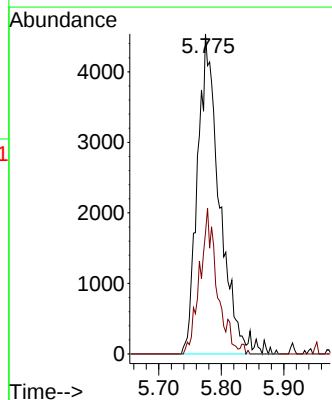
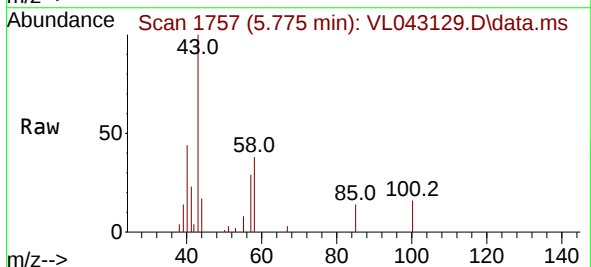
Manual Integrations
APPROVED

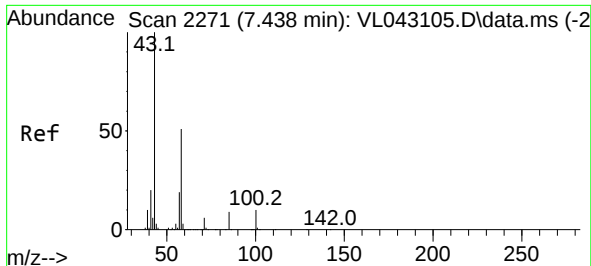
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#50
4-Methyl-2-Pentanone
Concen: 0.434 ppbv m
RT: 5.775 min Scan# 1757
Delta R.T. 0.020 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

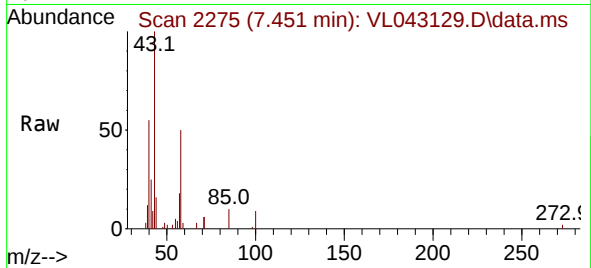
Tgt Ion: 43 Resp: 11136
Ion Ratio Lower Upper
43 100
58 36.2 29.1 43.7





#51
2-Hexanone
Concen: 0.419 ppbv m
RT: 7.451 min Scan# 2115
Delta R.T. 0.013 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

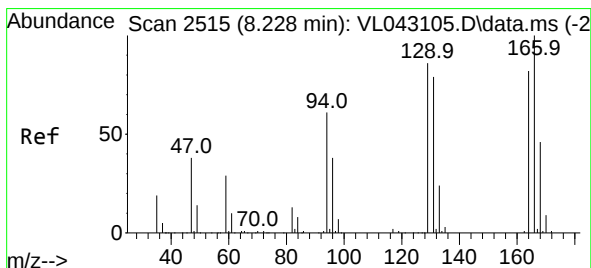
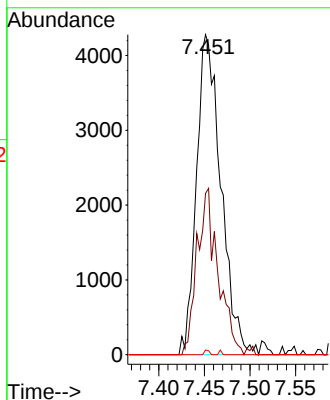
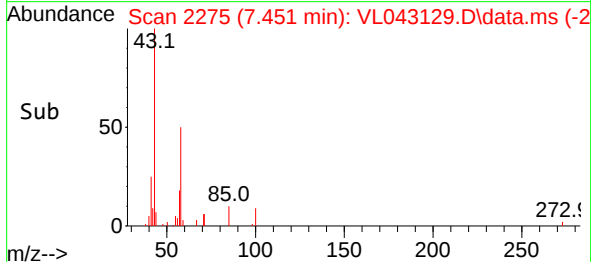
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 43 Resp: 8054
Ion Ratio Lower Upper
43 100
58 45.0 40.4 60.6
98 0.4 0.1 0.1

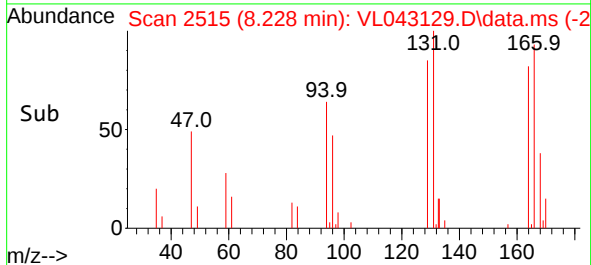
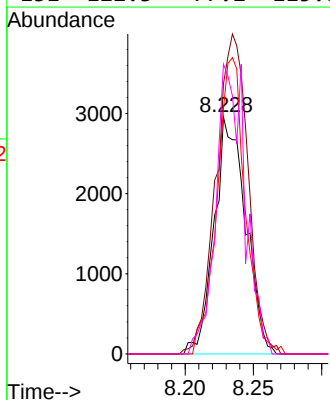
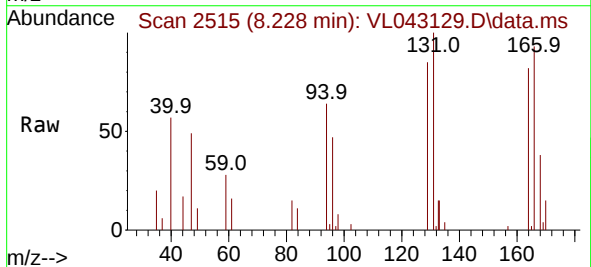
Manual Integrations
APPROVED

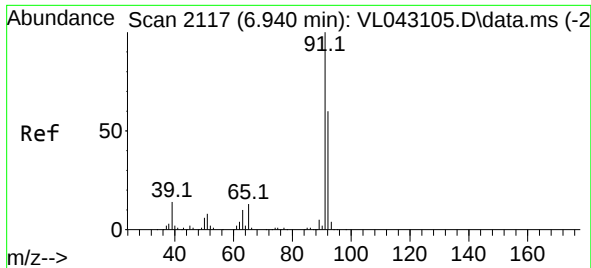
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#52
Tetrachloroethene
Concen: 0.504 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

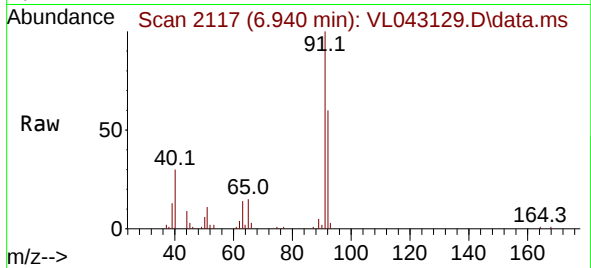
Tgt Ion:164 Resp: 4737
Ion Ratio Lower Upper
164 100
166 114.0 97.6 146.4
129 103.6 84.5 126.7
131 122.3 77.2 115.8





#53
Toluene
Concen: 0.450 ppbv m
RT: 6.940 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

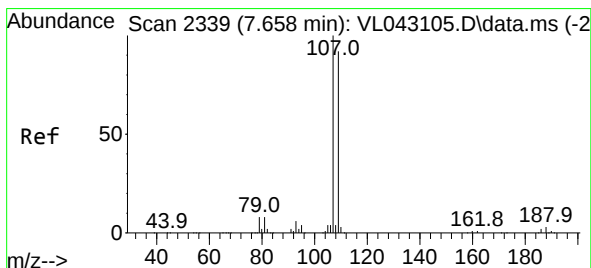
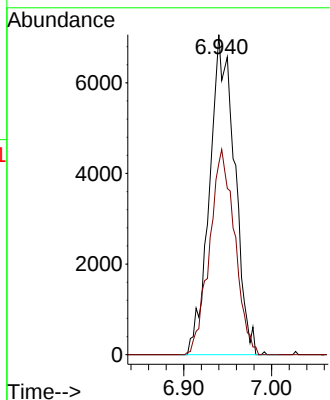
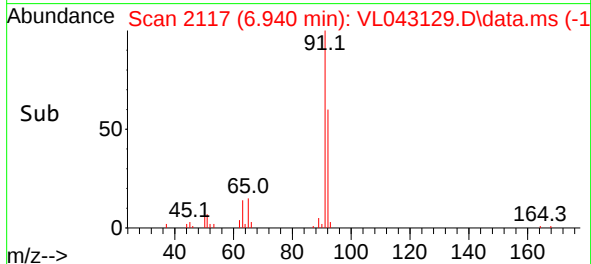
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



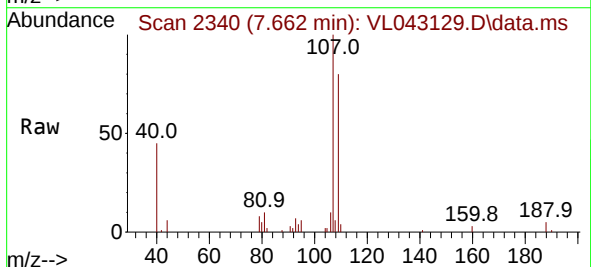
Tgt Ion: 91 Resp: 13908
Ion Ratio Lower Upper
91 100
92 3.9 48.8 73.2

Manual Integrations
APPROVED

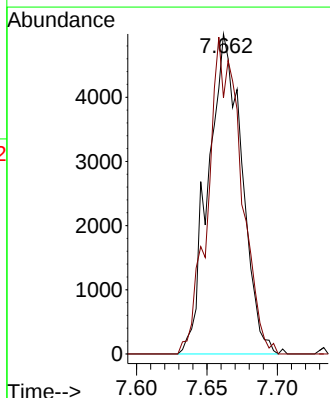
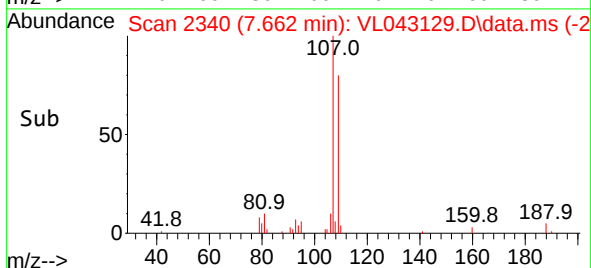
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

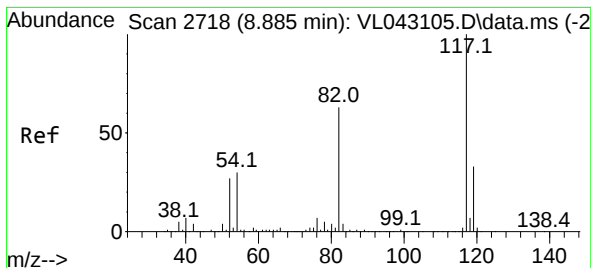


#54
1,2-Dibromoethane
Concen: 0.514 ppbv
RT: 7.662 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49



Tgt Ion:107 Resp: 8280
Ion Ratio Lower Upper
107 100
109 80.1 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2718

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

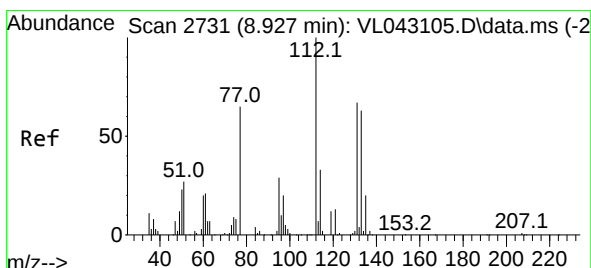
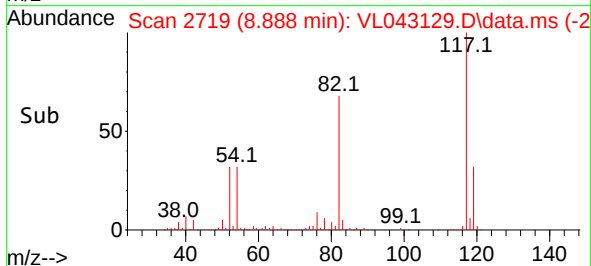
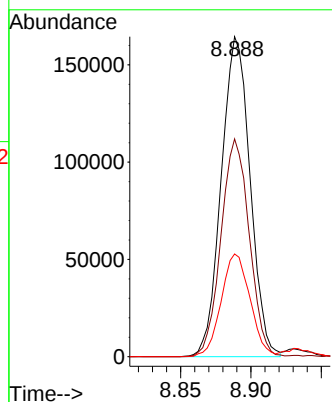
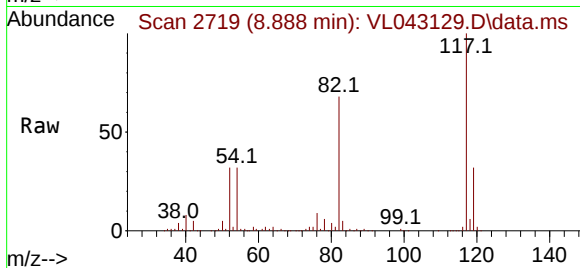
LOQ-AIR-02-QT3-2025

Tgt Ion:	117	Resp:	23449
Ion Ratio	Lower	Upper	
117	100		
82	67.1	53.8	80.8
119	34.4	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.593 ppbv

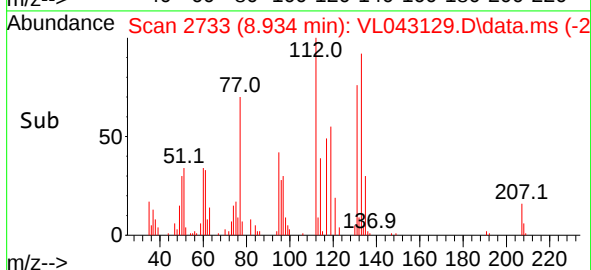
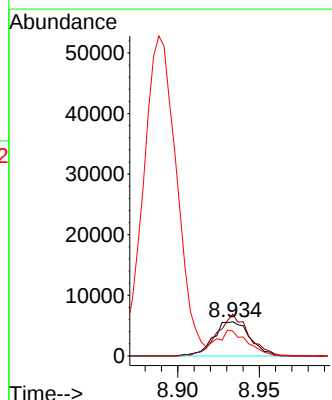
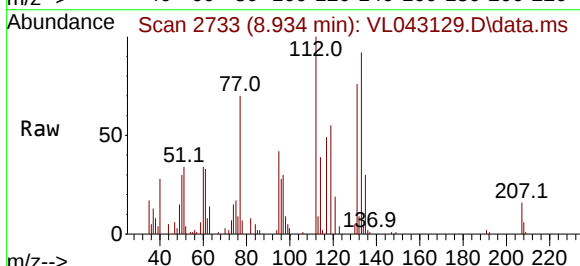
RT: 8.934 min Scan# 2733

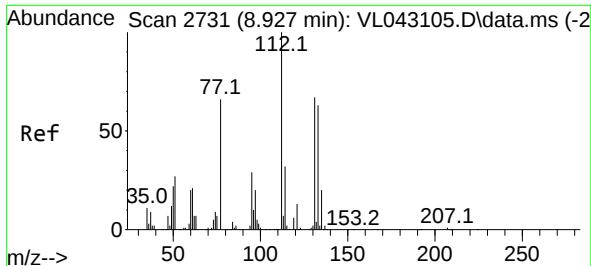
Delta R.T. 0.007 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Tgt Ion:	131	Resp:	8771
Ion Ratio	Lower	Upper	
131	100		
133	105.3	75.7	113.5
119	920.2	50.6	76.0





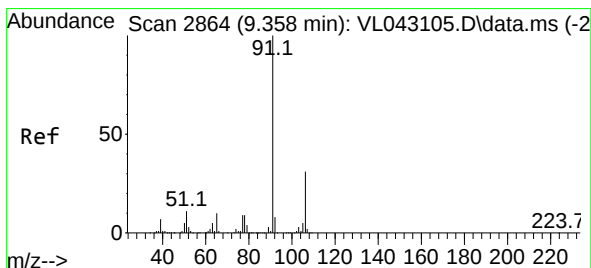
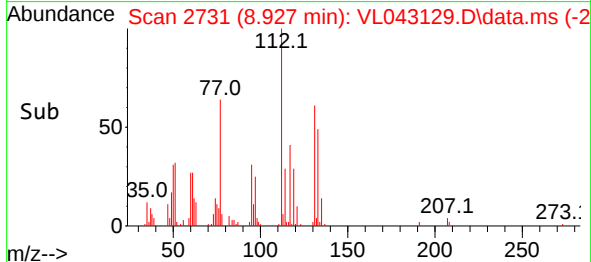
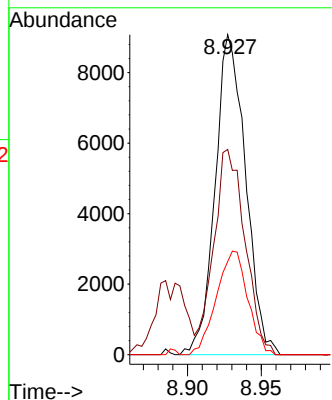
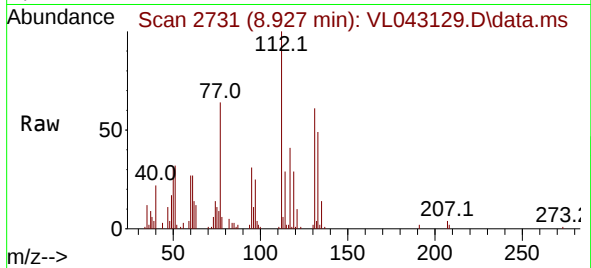
#57
Chlorobenzene
Concen: 0.594 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.2	53.3	79.9
114	31.4	29.3	35.8

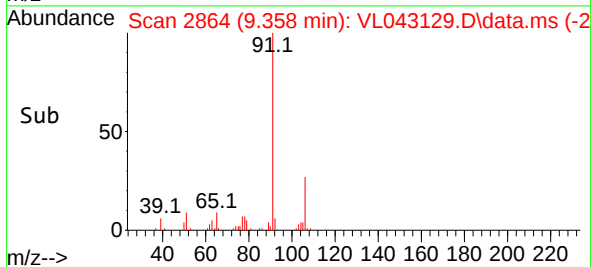
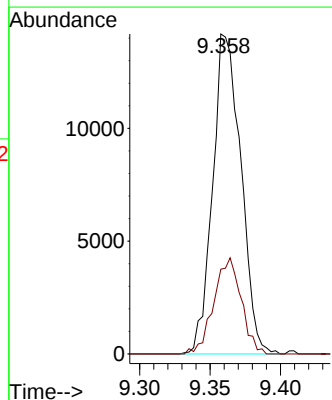
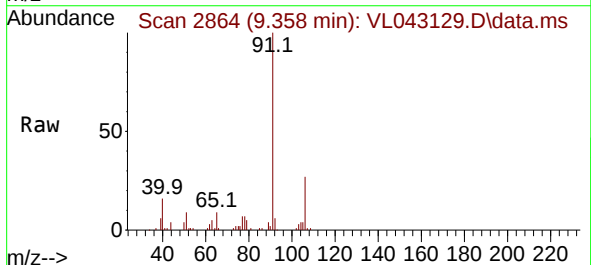
Manual Integrations
APPROVED

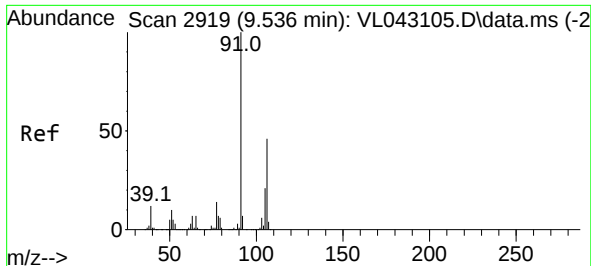
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#58
Ethyl Benzene
Concen: 0.492 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.5	24.8	37.2





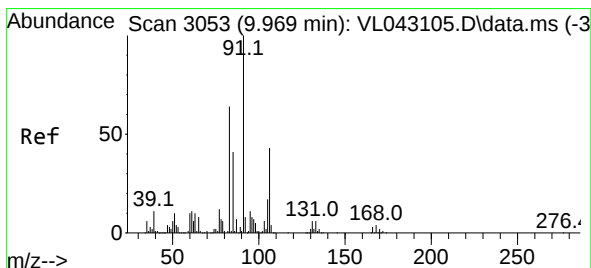
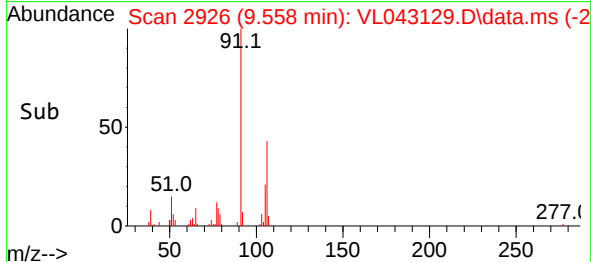
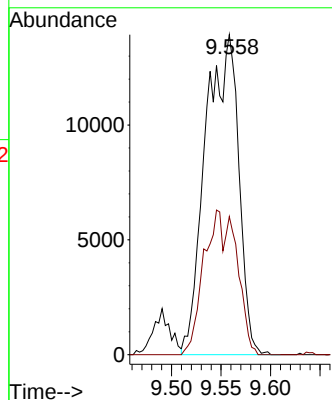
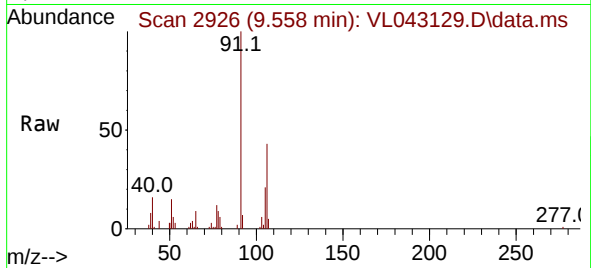
#59
m/p-Xylene
Concen: 1.010 ppbv m
RT: 9.558 min Scan# 2919
Delta R.T. 0.023 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 32430
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

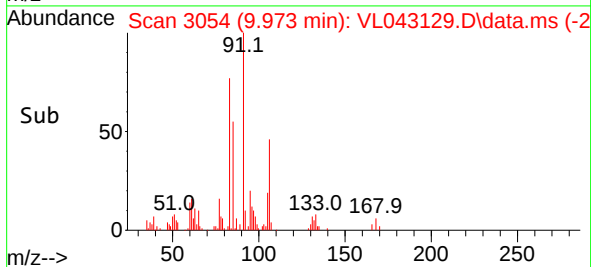
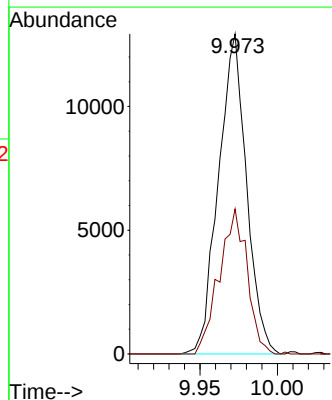
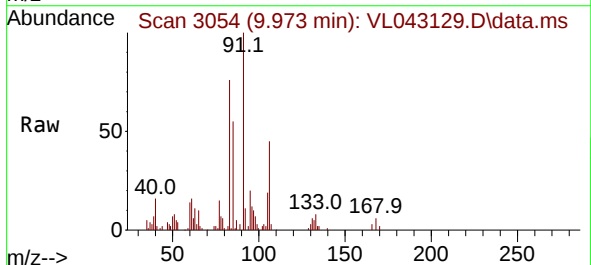
Manual Integrations
APPROVED

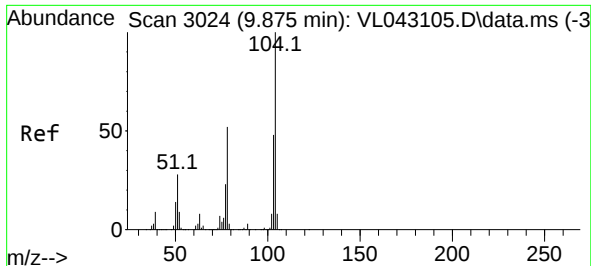
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#60
o-Xylene
Concen: 0.512 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

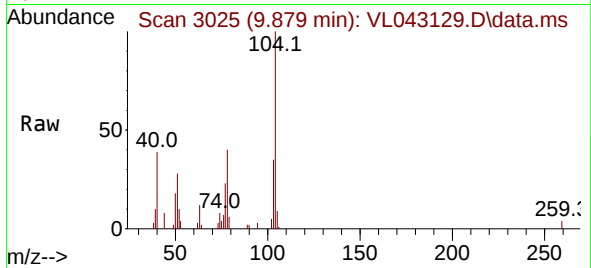
Tgt Ion: 91 Resp: 16236
Ion Ratio Lower Upper
91 100
106 45.2 21.9 65.8





#61
Styrene
Concen: 0.429 ppbv
RT: 9.879 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

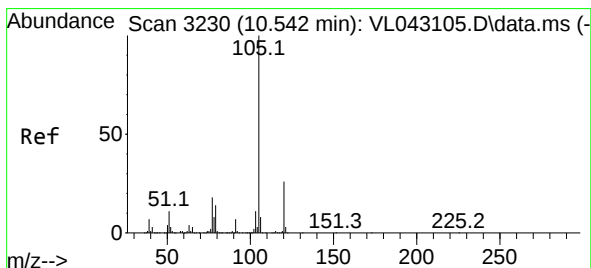
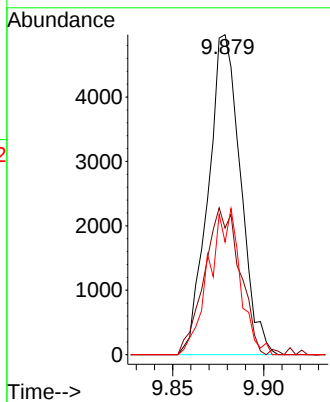
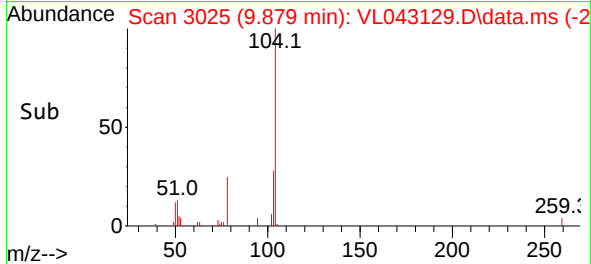
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



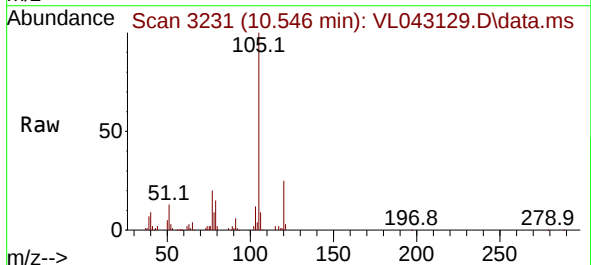
Tgt Ion:104 Resp: 613
Ion Ratio Lower Upper
104 100
78 51.4 40.2 60.2
103 44.2 36.9 55.3

Manual Integrations
APPROVED

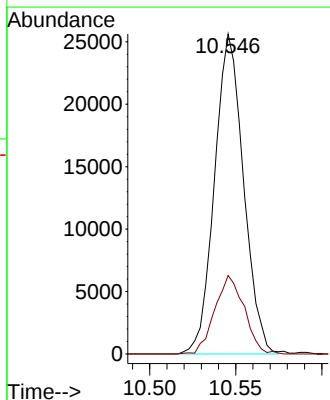
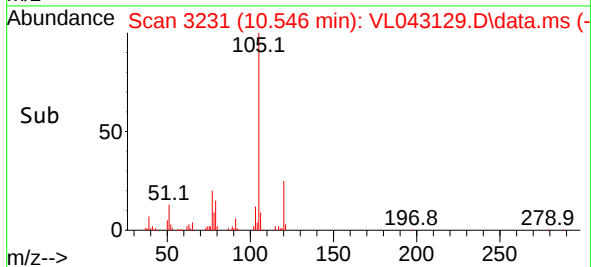
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

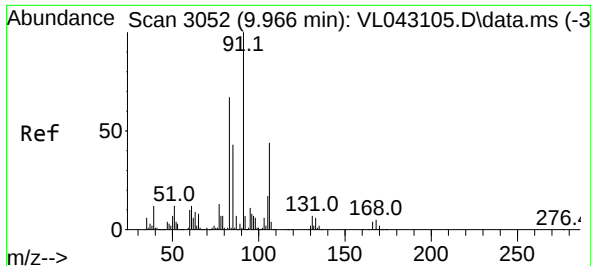


#62
Isopropylbenzene
Concen: 0.524 ppbv
RT: 10.546 min Scan# 3231
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49



Tgt Ion:105 Resp: 30024
Ion Ratio Lower Upper
105 100
120 24.8 20.2 30.4





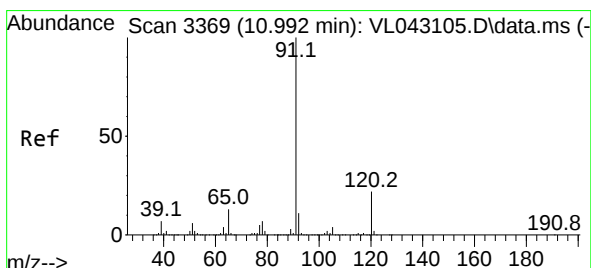
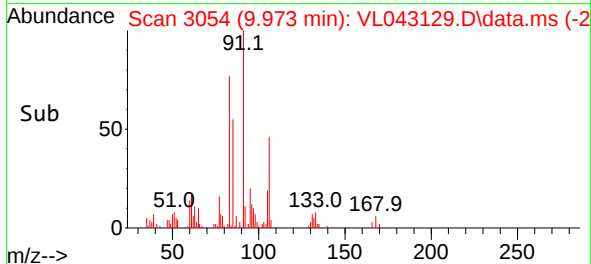
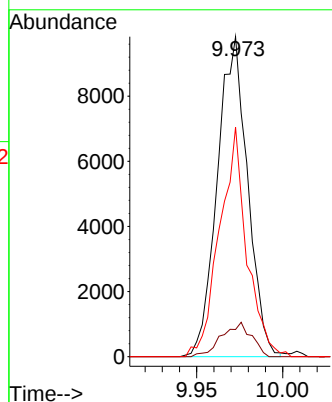
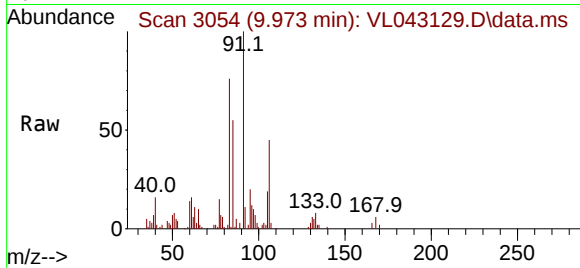
#63
1,1,2,2-Tetrachloroethane
Concen: 0.567 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 83 Resp: 1203
Ion Ratio Lower Upper
83 100
131 10.5 4.8 14.3
85 64.5 32.0 96.0

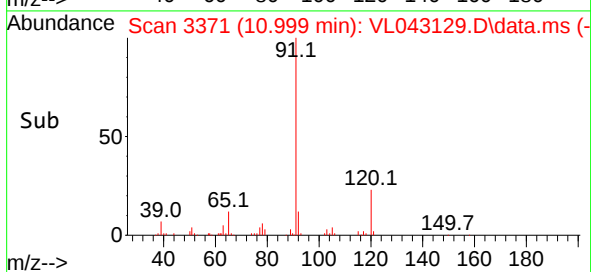
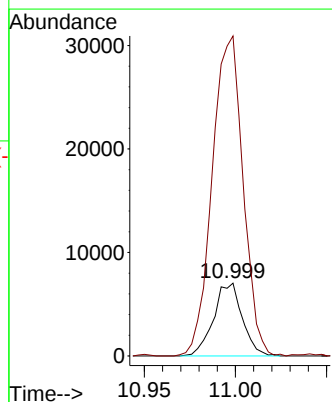
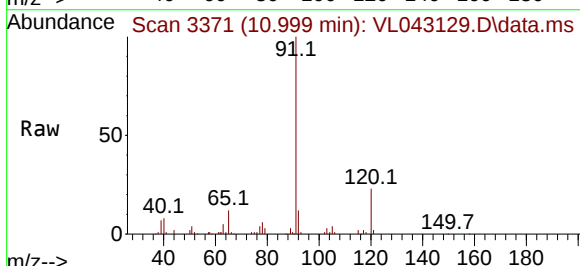
Manual Integrations
APPROVED

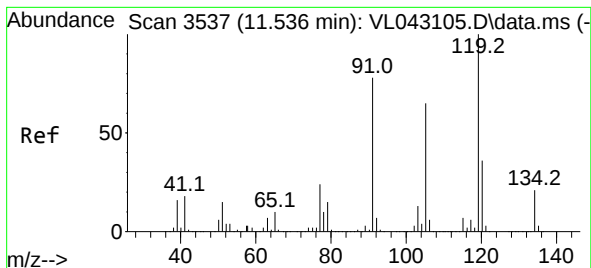
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#64
n-propylbenzene
Concen: 0.508 ppbv
RT: 10.999 min Scan# 3371
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

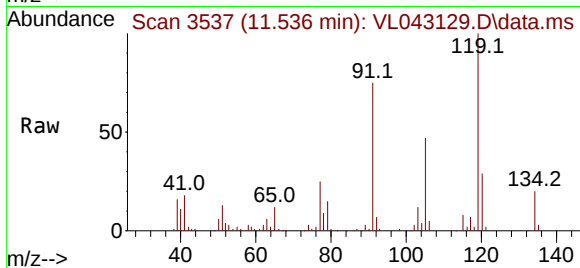
Tgt Ion:120 Resp: 7706
Ion Ratio Lower Upper
120 100
91 473.7 361.6 542.4





#65
tert-Butylbenzene
Concen: 0.533 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

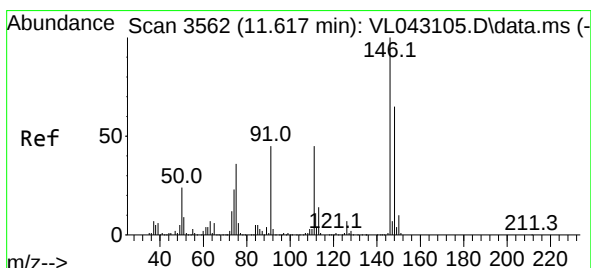
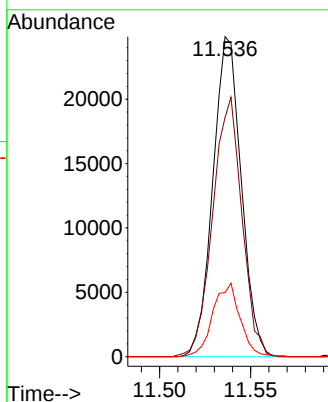
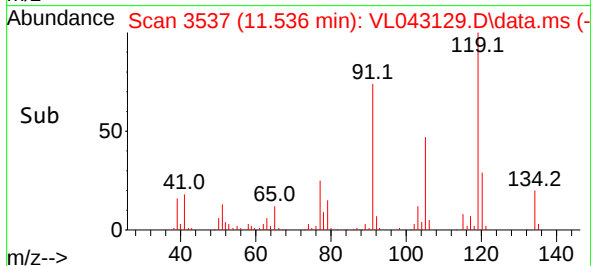
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 119 Resp: 2696
Ion Ratio Lower Upper
119 100
91 83.1 63.4 95.0
134 22.0 17.3 25.9

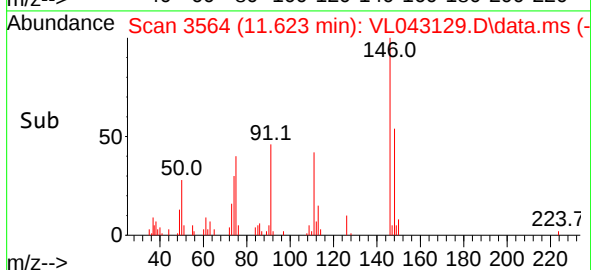
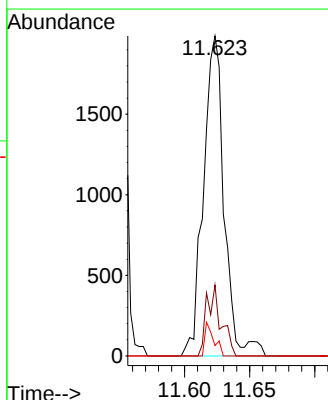
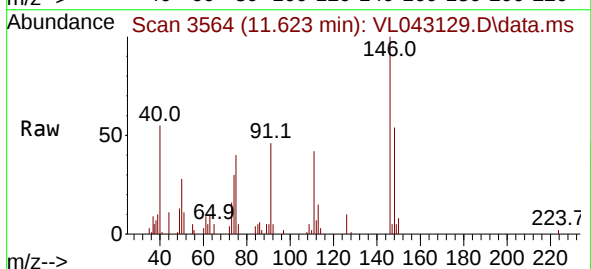
Manual Integrations
APPROVED

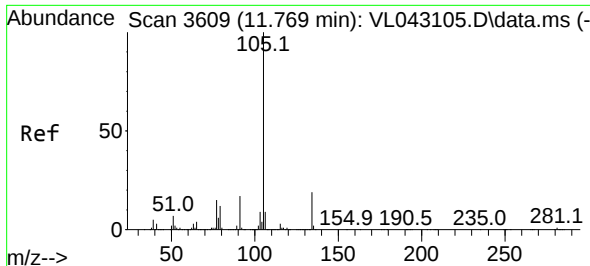
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#66
Benzyl Chloride
Concen: 0.389 ppbv m
RT: 11.623 min Scan# 3564
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

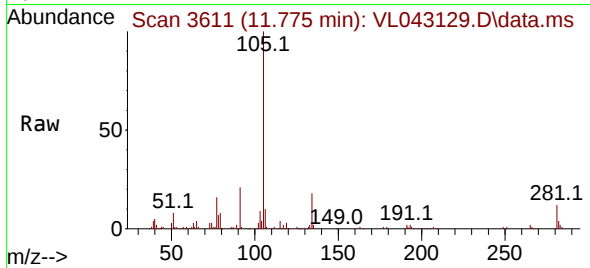
Tgt Ion: 91 Resp: 2193
Ion Ratio Lower Upper
91 100
126 15.5 14.6 22.0
128 4.6 4.6 6.8#





#67
 sec-Butylbenzene
 Concen: 0.545 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.007 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49

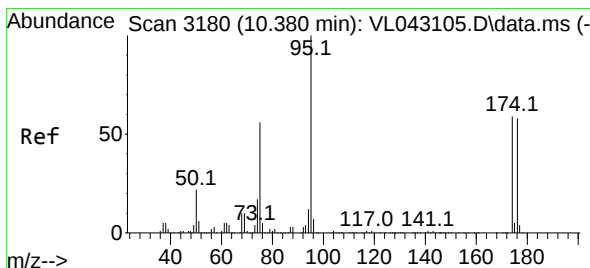
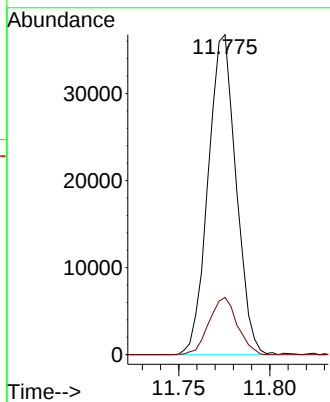
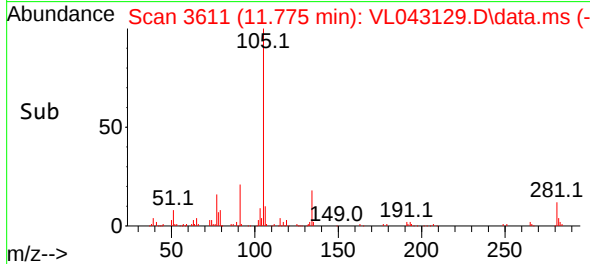
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025



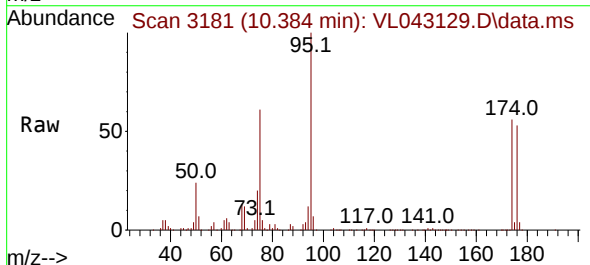
Tgt Ion:105 Resp: 3916
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.5 23.3

Manual Integrations
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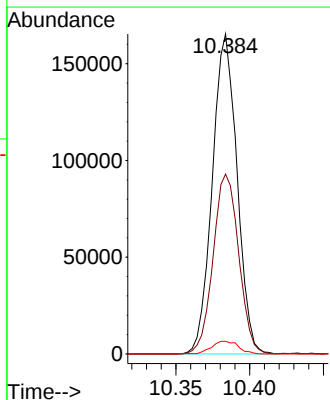
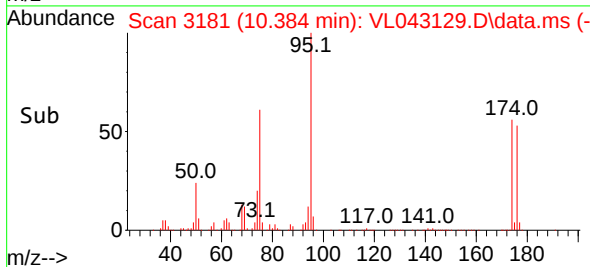
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

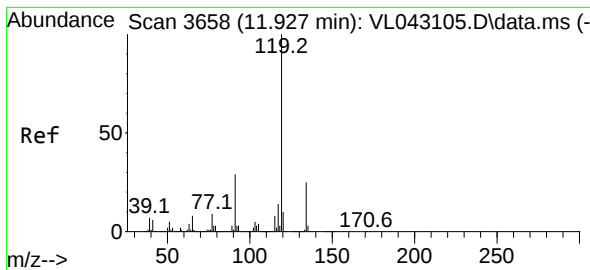


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.572 ppbv
 RT: 10.384 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL043129.D
 Acq: 16 Oct 2025 13:49



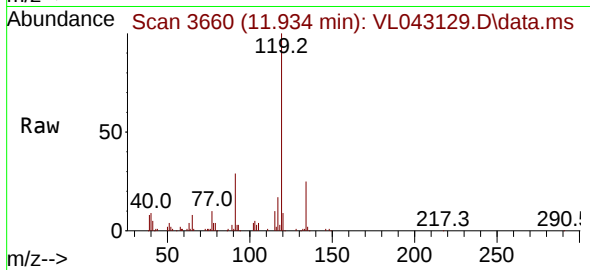
Tgt Ion: 95 Resp: 192699
 Ion Ratio Lower Upper
 95 100
 174 58.3 48.3 72.5
 175 4.3 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.519 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

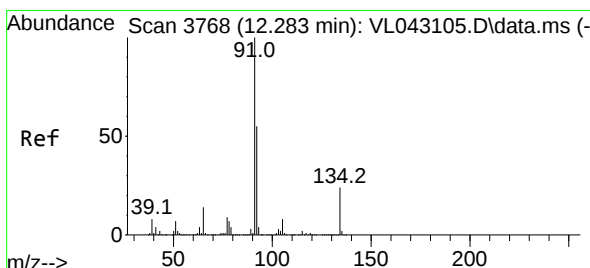
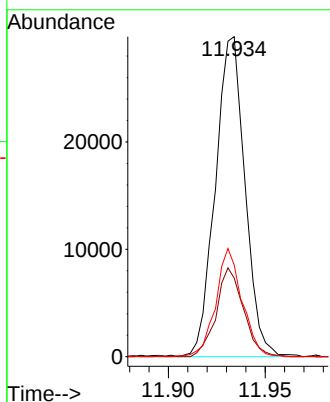
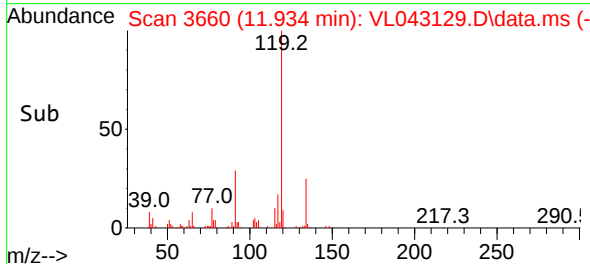
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



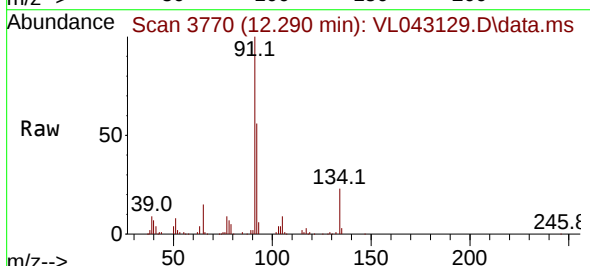
Tgt Ion: 119 Resp: 3169
Ion Ratio Lower Upper
119 100
134 25.5 20.3 30.5
91 30.2 22.6 33.8

Manual Integrations
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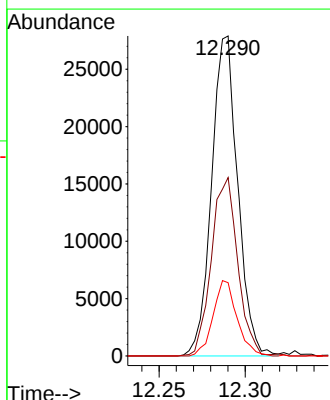
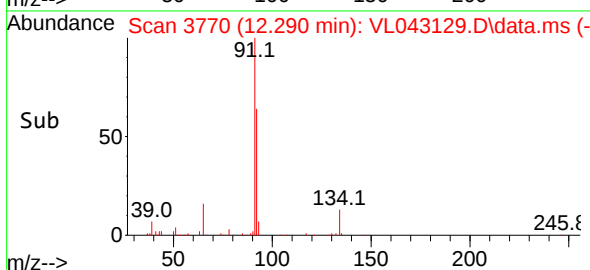
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

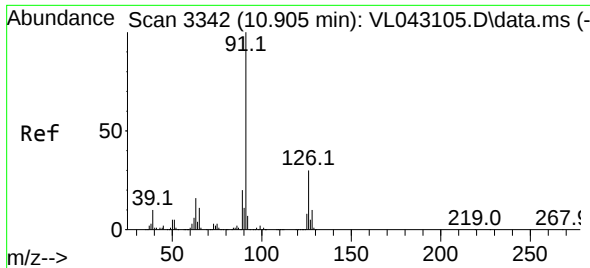


#70
n-Butylbenzene
Concen: 0.490 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49



Tgt Ion: 91 Resp: 29488
Ion Ratio Lower Upper
91 100
92 56.3 44.5 66.7
134 21.6 19.3 28.9





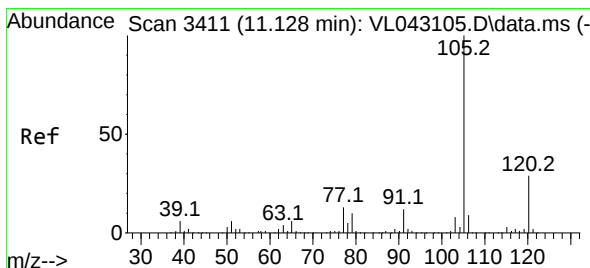
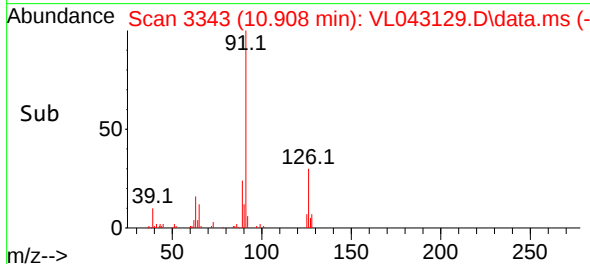
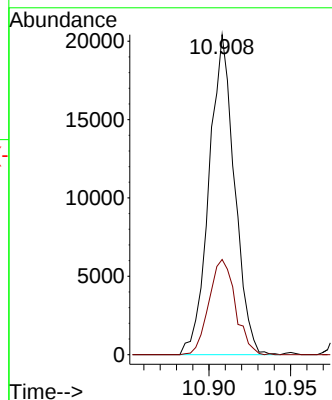
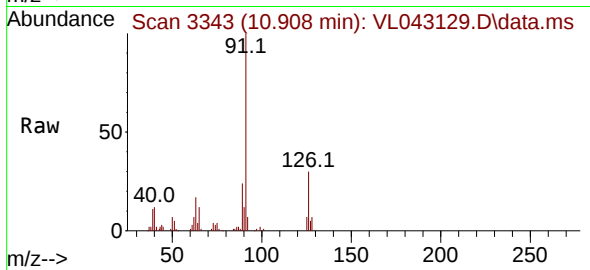
#71
2-Chlorotoluene
Concen: 0.508 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 2219
Ion Ratio Lower Upper
91 100
126 30.7 12.0 48.0

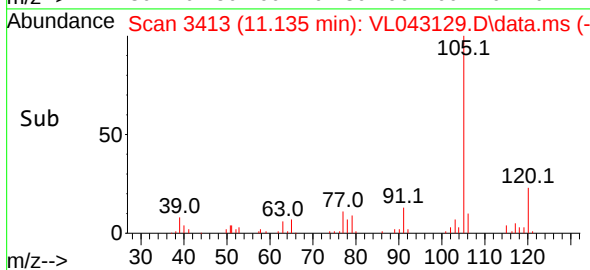
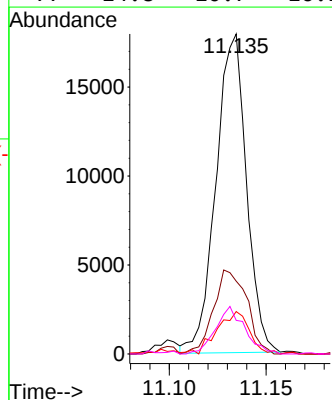
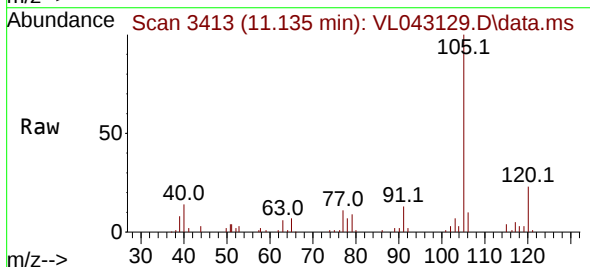
Manual Integrations
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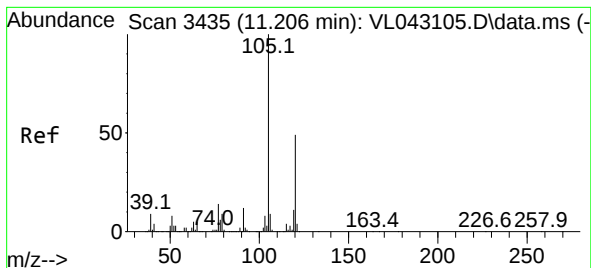
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#72
4-Ethyltoluene
Concen: 0.504 ppbv
RT: 11.135 min Scan# 3413
Delta R.T. 0.007 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:105 Resp: 19639
Ion Ratio Lower Upper
105 100
120 30.2 24.2 36.4
91 15.5 10.0 15.0#
77 14.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.511 ppbv

RT: 11.209 min Scan# 3435

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion:105 Resp: 1642

Ion Ratio Lower Upper

105 100

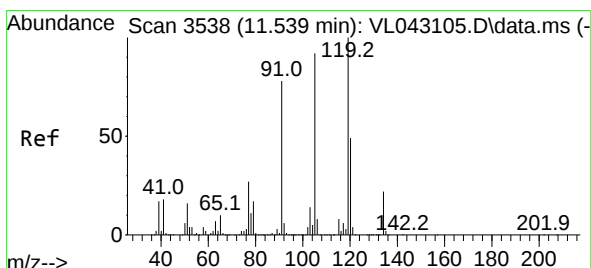
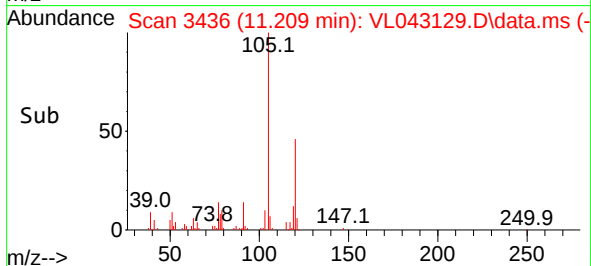
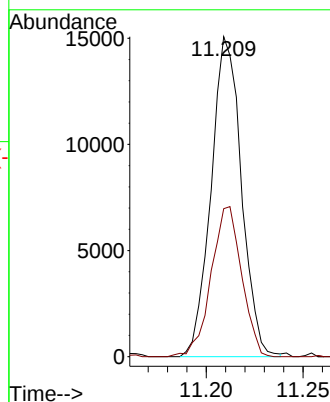
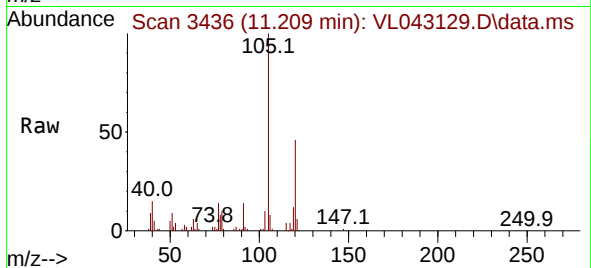
120 46.3 39.0 58.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.558 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL043129.D

Acq: 16 Oct 2025 13:49

Tgt Ion:105 Resp: 20091

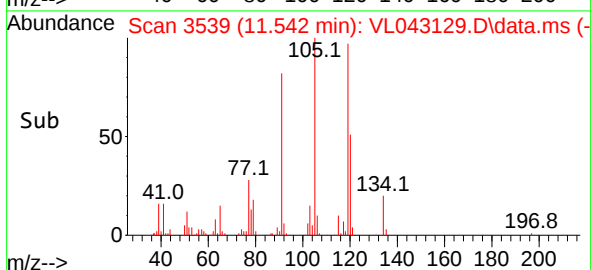
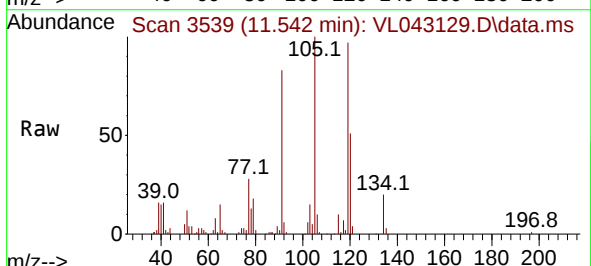
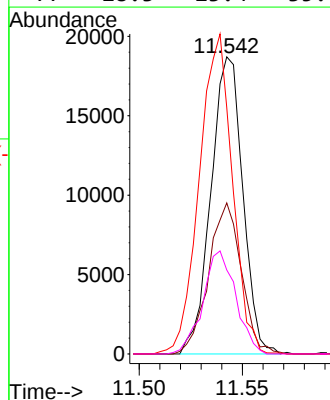
Ion Ratio Lower Upper

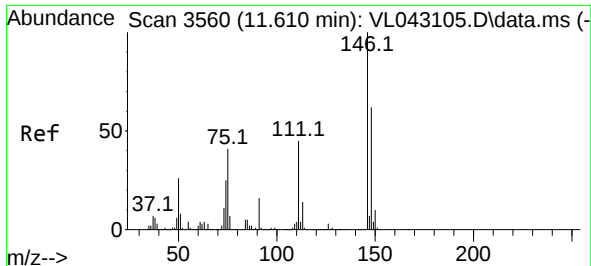
105 100

120 50.3 42.8 64.2

91 82.6 68.3 102.5

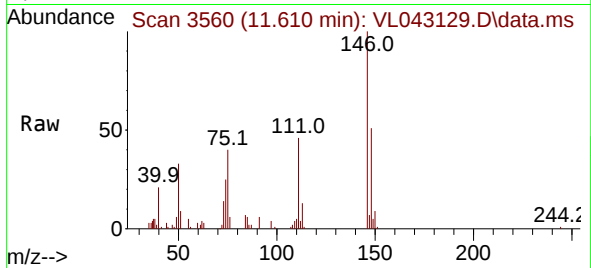
77 28.3 23.4 35.0





#75
1,3-Dichlorobenzene
Concen: 0.615 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.000 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

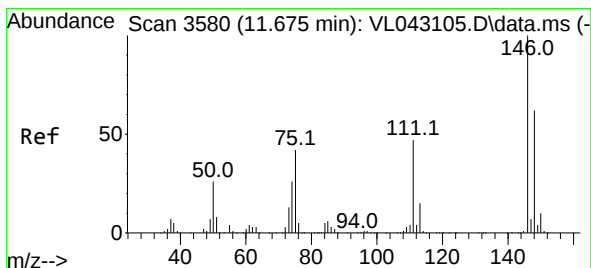
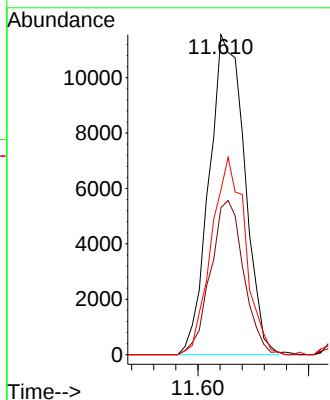
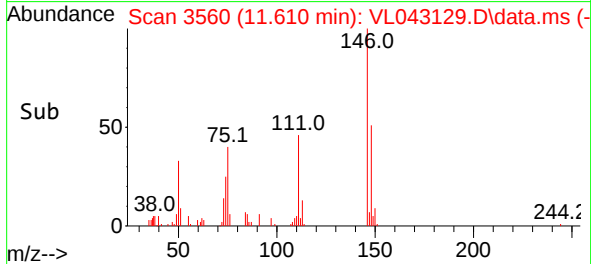
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



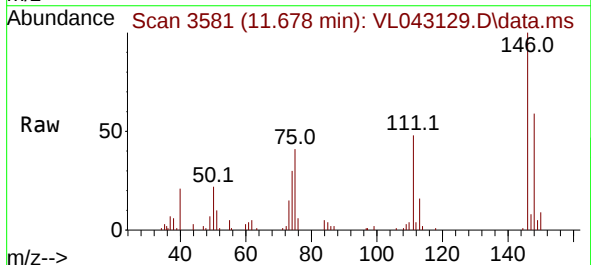
Tgt Ion:146 Resp: 12829
Ion Ratio Lower Upper
146 100
111 45.1 23.3 69.9
148 59.3 31.6 95.0

Manual Integrations
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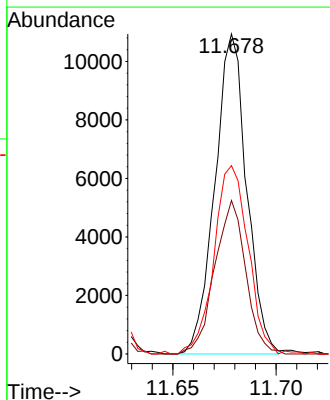
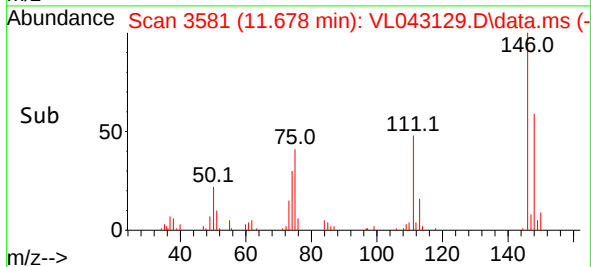
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

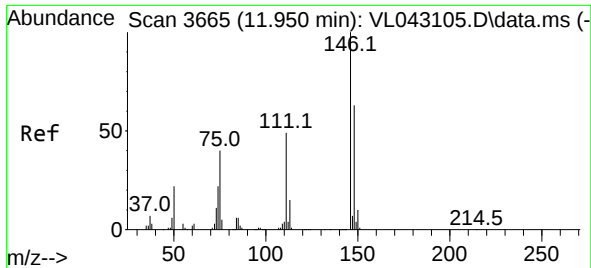


#76
1,4-Dichlorobenzene
Concen: 0.556 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49



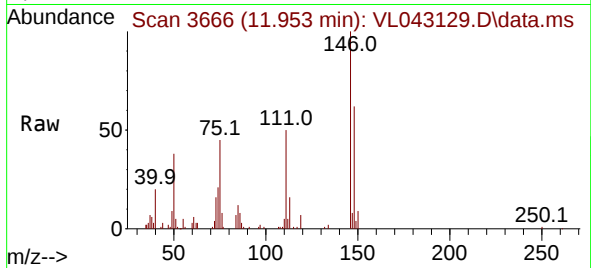
Tgt Ion:146 Resp: 11708
Ion Ratio Lower Upper
146 100
111 46.8 22.4 67.0
148 63.4 31.6 94.7





#77
1,2-Dichlorobenzene
Concen: 0.597 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

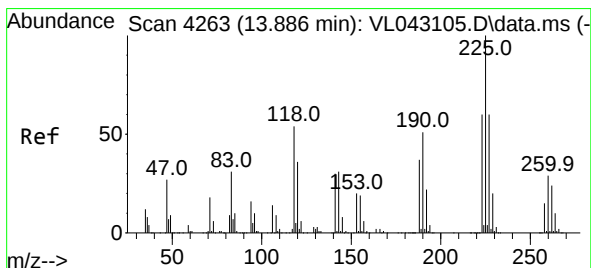
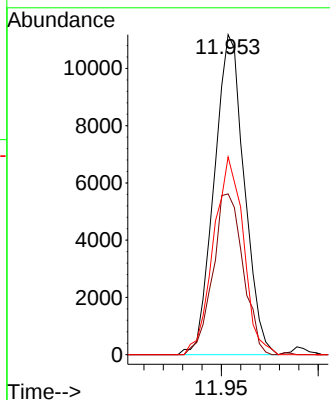
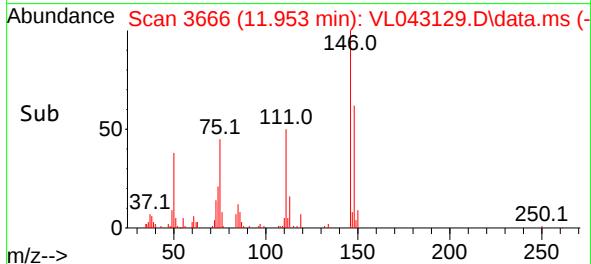
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion:146 Resp: 1205
Ion Ratio Lower Upper
146 100
111 50.8 24.0 72.0
148 61.6 31.1 93.3

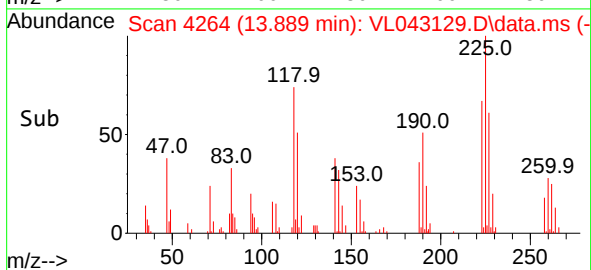
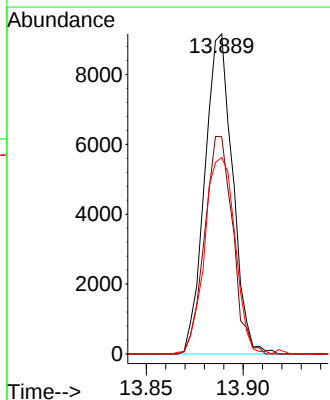
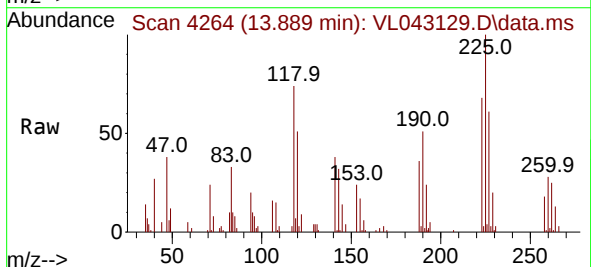
Manual Integrations
APPROVED

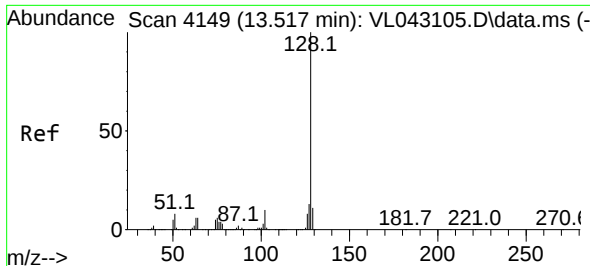
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.588 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

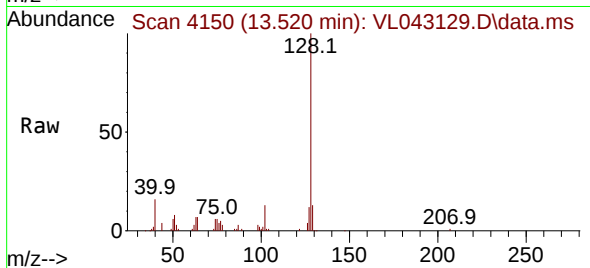
Tgt Ion:225 Resp: 9193
Ion Ratio Lower Upper
225 100
223 68.4 50.2 75.4
227 67.4 49.6 74.4





#79
Naphthalene
Concen: 0.391 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

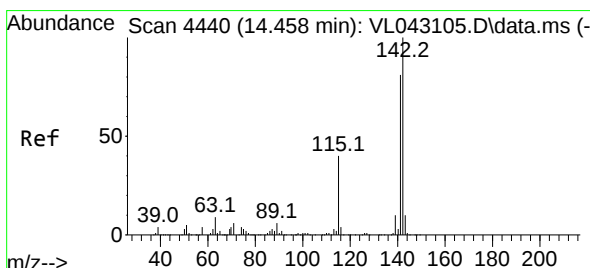
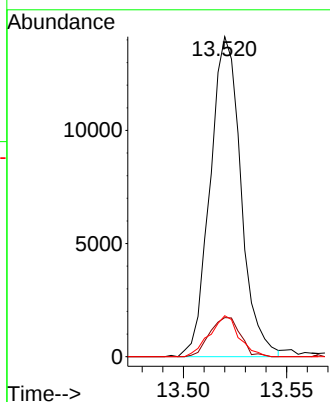
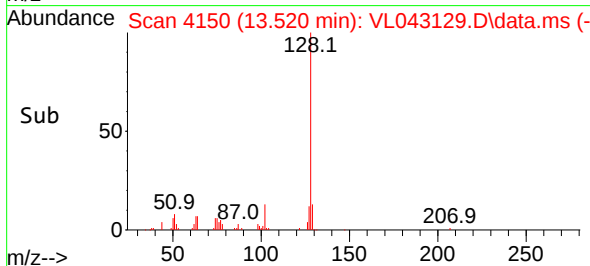
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion:128 Resp: 14690
Ion Ratio Lower Upper
128 100
127 12.2 10.5 15.7
129 12.8 9.1 13.7

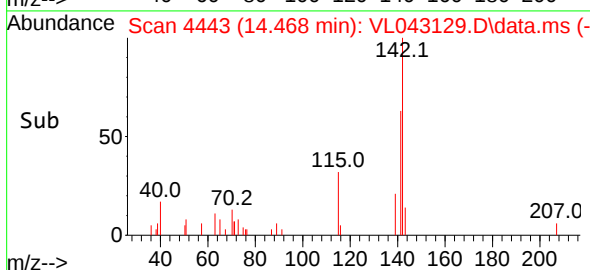
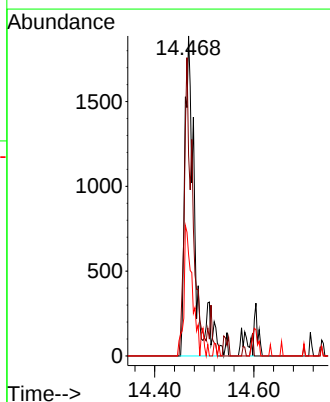
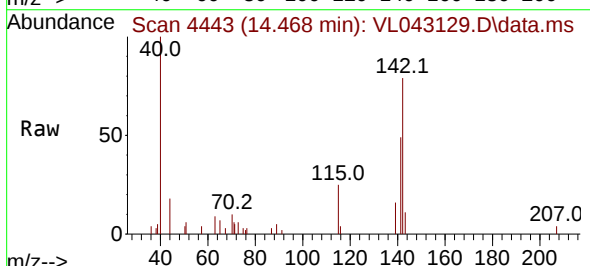
Manual Integrations
APPROVED

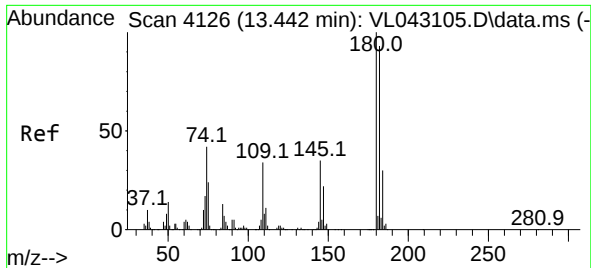
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#80
Naphthalene,2-methyl-
Concen: 0.298 ppbv m
RT: 14.468 min Scan# 4443
Delta R.T. 0.010 min
Lab File: VL043129.D
Acq: 16 Oct 2025 13:49

Tgt Ion:142 Resp: 2922
Ion Ratio Lower Upper
142 100
141 75.2 64.6 97.0
115 33.9 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 0.425 ppbv m

RT: 13.446 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043129.D

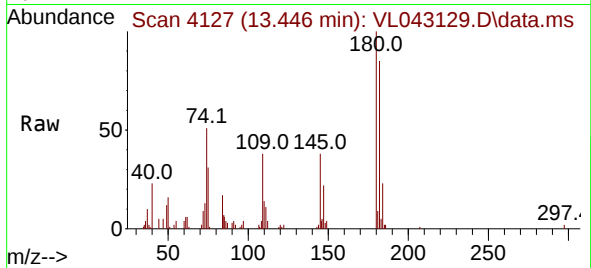
Acq: 16 Oct 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025



Tgt Ion:180 Resp: 6640

Ion Ratio Lower Upper

180 100

182 94.9 75.5 113.3

184 29.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025

