

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042995.D
 Acq On : 23 Sep 2025 17:01
 Operator : SY/MD
 Sample : Q2893-13 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

Quant Time: Sep 24 02:25:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	155235	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	407758	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	360469	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	286449	10.645	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	10204	0.489	ppbv	93
3) Chlorodifluoromethane	1.476	51	13424	0.516	ppbv	97
4) Chloromethane	1.535	50	4373	0.463	ppbv	99
5) Vinyl Chloride	1.583	62	3890	0.455	ppbv #	84
6) Bromomethane	1.670	94	1371	0.455	ppbv	96
7) Chloroethane	1.709	64	1755	0.529	ppbv #	82
8) Dichlorotetrafluoroethane	1.557	85	8654	0.486	ppbv	94
9) Propene	1.486	41	4619	0.408	ppbv	99
10) Heptane	4.994	43	9696m	0.321	ppbv	
11) Trichlorofluoromethane	1.881	101	9590	0.476	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	7807	0.479	ppbv	96
13) Ethanol	1.725	45	944	0.860	ppbv	74
14) Bromoethene	1.784	108	2667	0.433	ppbv #	91
15) Acetone	1.839	43	12211	0.604	ppbv	99
16) 1,3-Butadiene	1.612	39	4763	0.499	ppbv	96
17) tert-Butyl alcohol	2.046	59	8309	0.375	ppbv #	88
18) 1,1-Dichloroethene	2.036	96	3672	0.487	ppbv	88
19) Isopropyl Alcohol	1.891	45	5361	0.441	ppbv #	46
20) Methylene Chloride	2.065	84	4951	0.585	ppbv #	84
21) Allyl Chloride	2.101	41	6395	0.454	ppbv	88
22) trans-1,2-Dichloroethene	2.347	96	3866m	0.451	ppbv	
23) Vinyl Acetate	2.467	43	10459	0.362	ppbv #	90
24) 1,1-Dichloroethane	2.412	63	7751	0.461	ppbv	98
25) Ethyl Acetate	2.845	43	19856	0.389	ppbv	96
26) Hexane	2.832	57	8253	0.354	ppbv #	83
27) Carbon Disulfide	2.153	76	7846	0.376	ppbv #	3
28) Methyl tert-Butyl Ether	2.447	73	4671	0.386	ppbv	98
29) Chloroform	2.855	83	15668	0.514	ppbv	94
30) Cyclohexane	3.858	84	5953m	0.306	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	8982	0.412	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	13895	0.422	ppbv	92
34) 2-Butanone	2.567	43	14664	0.513	ppbv	98
35) Carbon Tetrachloride	3.771	117	13870	0.522	ppbv	92
36) Benzene	3.664	78	17708	0.462	ppbv #	91
37) 1,2-Dichloroethane	3.227	62	11545	0.573	ppbv	99
38) Trichloroethene	4.561	130	9160	0.481	ppbv #	77
39) 1,2-Dichloropropane	4.324	63	7339	0.525	ppbv #	79
40) 1,4-Dioxane	4.613	88	2684m	0.413	ppbv	
41) Tetrahydrofuran	3.069	42	6476	0.394	ppbv	95
42) Bromodichloromethane	4.493	83	15274	0.545	ppbv #	91
43) Methyl Methacrylate	4.897	69	5141m	0.328	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	28435	0.430	ppbv #	93
45) t-1,3-Dichloropropene	6.432	75	5465m	0.327	ppbv	

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 LOD-MDL-AIR-01-QT3-2025

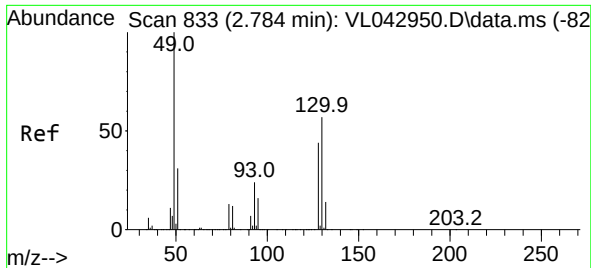
Quant Time: Sep 24 02:25:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	7916m	0.372	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	7912m	0.536	ppbv	
48) Dibromochloromethane	7.399	129	10806	0.457	ppbv	100
49) Bromoform	9.490	173	8048	0.392	ppbv	96
50) 4-Methyl-2-Pentanone	5.778	43	15544m	0.406	ppbv	
51) 2-Hexanone	7.461	43	10089m	0.330	ppbv	
52) Tetrachloroethene	8.234	164	6414m	0.433	ppbv	
53) Toluene	6.946	91	16348	0.361	ppbv	98
54) 1,2-Dibromoethane	7.665	107	9769	0.470	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.933	131	8499	0.493	ppbv #	1
57) Chlorobenzene	8.930	112	18287	0.556	ppbv	92
58) Ethyl Benzene	9.364	91	21061	0.356	ppbv	99
59) m/p-Xylene	9.558	91	33731m	0.723	ppbv	
60) o-Xylene	9.976	91	16986	0.364	ppbv	98
61) Styrene	9.882	104	6670	0.302	ppbv	95
62) Isopropylbenzene	10.549	105	26412	0.380	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.972	83	12931	0.527	ppbv	96
64) n-propylbenzene	10.995	120	6722	0.370	ppbv	95
65) tert-Butylbenzene	11.539	119	22487	0.364	ppbv	98
66) Benzyl Chloride	11.626	91	1258m	0.194	ppbv	
67) sec-Butylbenzene	11.772	105	33232	0.386	ppbv	98
69) p-Isopropyltoluene	11.934	119	24688	0.339	ppbv	96
70) n-Butylbenzene	12.290	91	23549	0.331	ppbv	97
71) 2-Chlorotoluene	10.911	91	20375	0.388	ppbv	96
72) 4-Ethyltoluene	11.134	105	18962	0.325	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	16742	0.353	ppbv	92
74) 1,2,4-Trimethylbenzene	11.542	105	18062	0.345	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	14787	0.456	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	13774	0.427	ppbv	95
77) 1,2-Dichlorobenzene	11.956	146	14176	0.459	ppbv	96
78) Hexachloro-1,3-Butadiene	13.886	225	11234	0.465	ppbv	98
79) Naphthalene	13.517	128	8313	0.180	ppbv #	88
80) Naphthalene,2-methyl-	14.471	142	1623	0.114	ppbv	95
81) 1,2,4-Trichlorobenzene	13.445	180	5276	0.213	ppbv	98

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



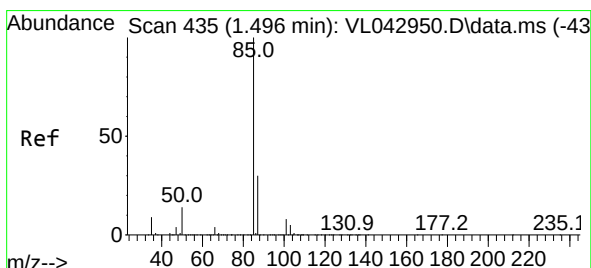
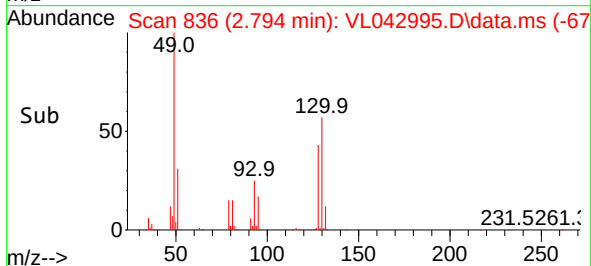
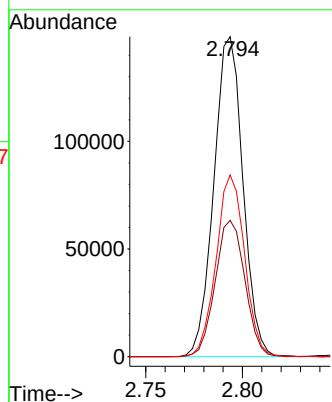
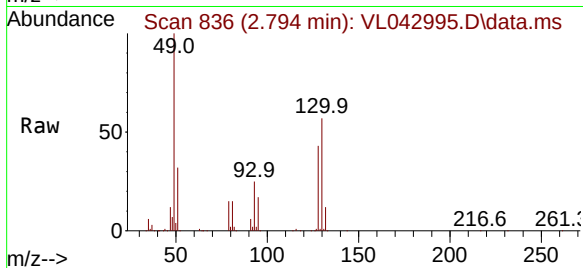
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 833
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 49 Resp: 155235
Ion Ratio Lower Upper
49 100
128 43.6 22.9 68.8
130 55.8 29.1 87.3

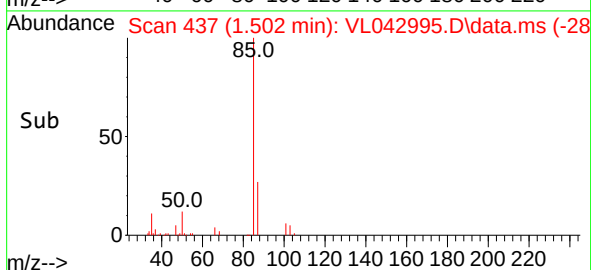
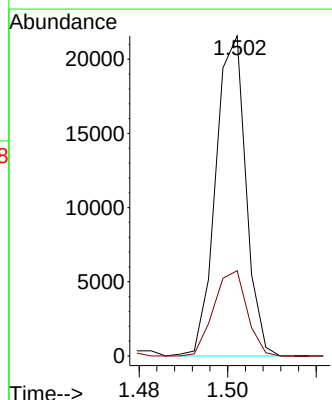
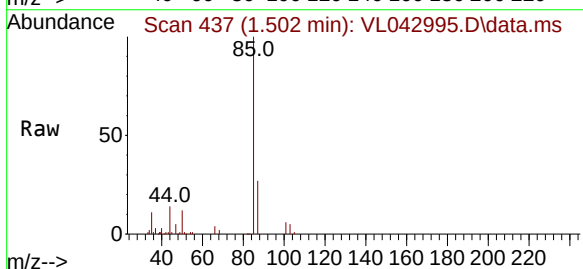
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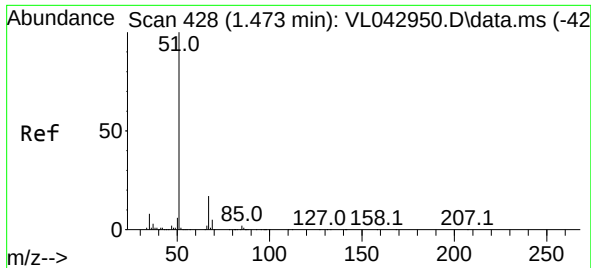
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#2
Dichlorodifluoromethane
Concen: 0.489 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.007 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 85 Resp: 10204
Ion Ratio Lower Upper
85 100
87 26.7 24.3 36.5





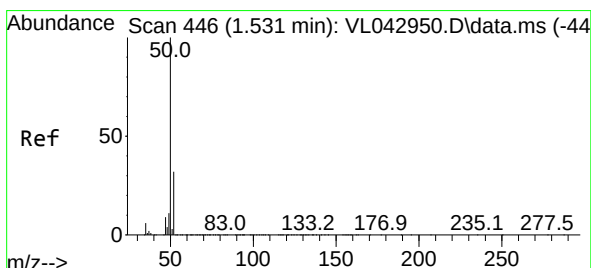
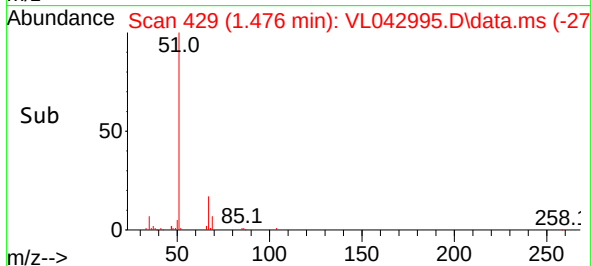
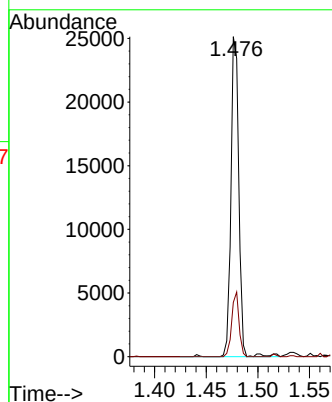
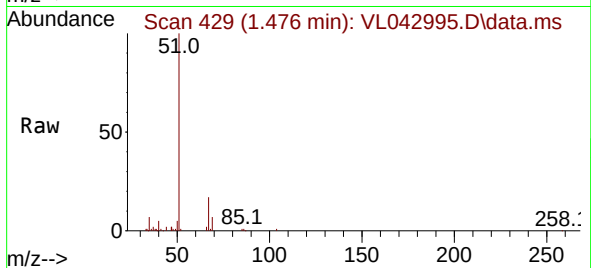
#3
Chlorodifluoromethane
Concen: 0.516 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 51 Resp: 13424
Ion Ratio Lower Upper
51 100
67 18.7 13.8 20.8

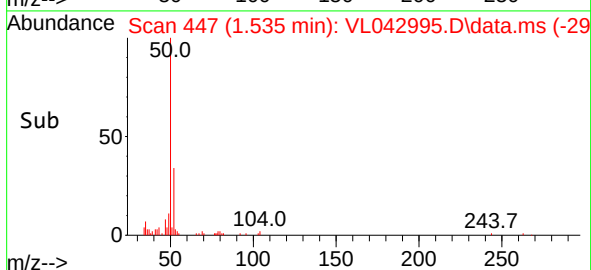
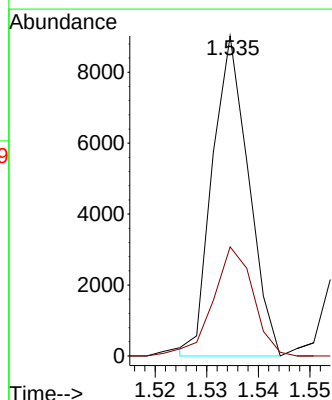
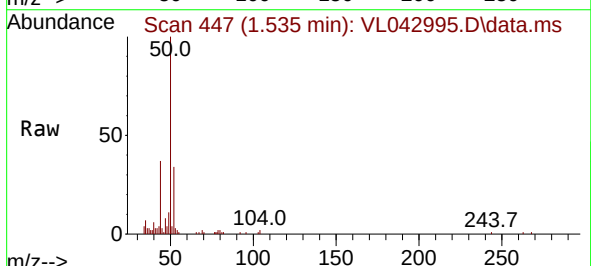
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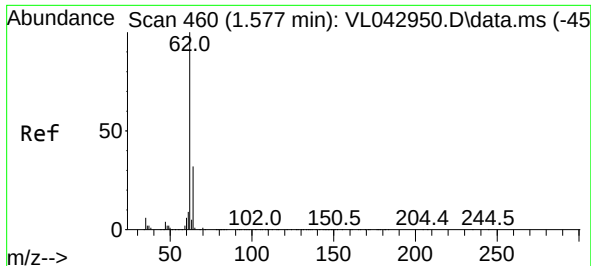
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#4
Chloromethane
Concen: 0.463 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

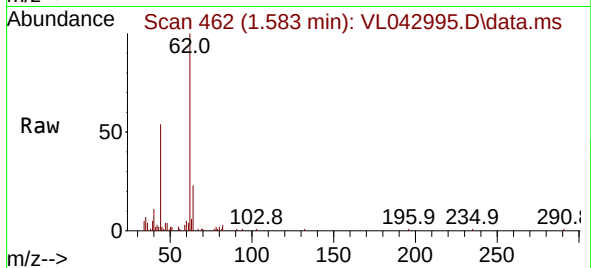
Tgt Ion: 50 Resp: 4373
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9





#5
 Vinyl Chloride
 Concen: 0.455 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

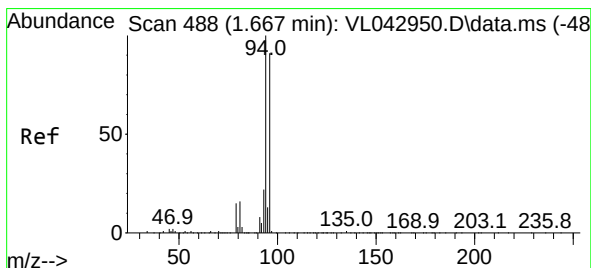
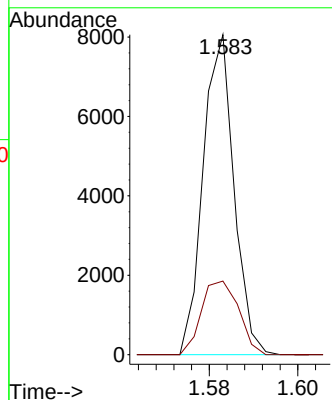
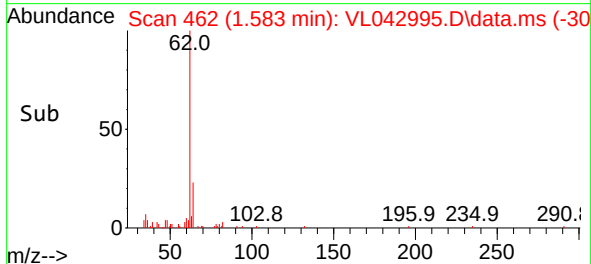
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 62 Resp: 3890
 Ion Ratio Lower Upper
 62 100
 64 23.0 25.4 38.2

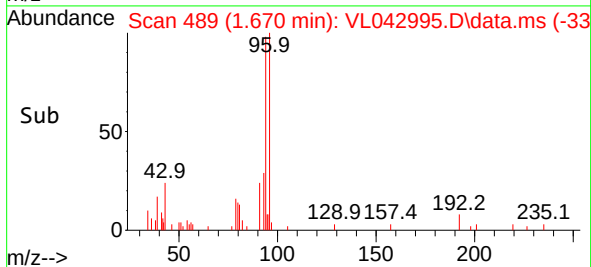
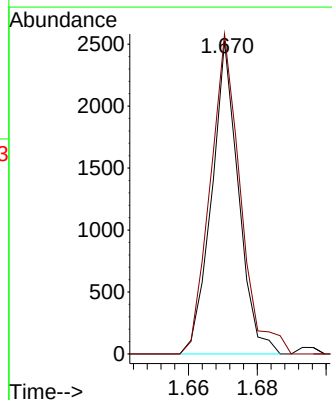
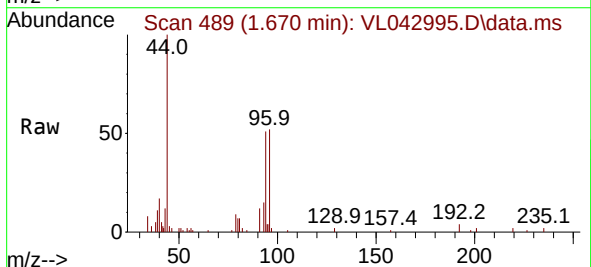
Manual Integrations
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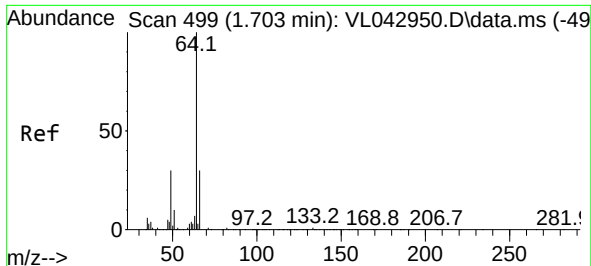
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#6
 Bromomethane
 Concen: 0.455 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

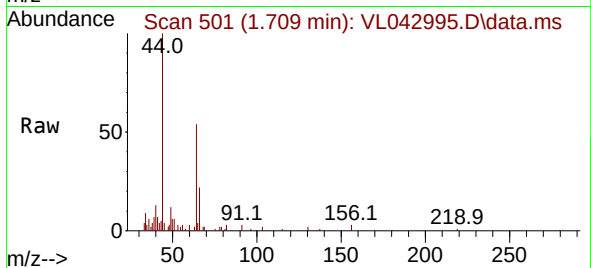
Tgt Ion: 94 Resp: 1371
 Ion Ratio Lower Upper
 94 100
 96 94.4 72.6 108.8





#7
Chloroethane
Concen: 0.529 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

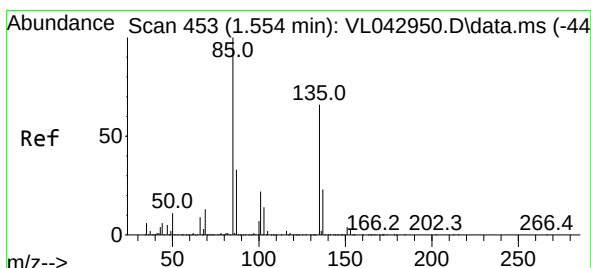
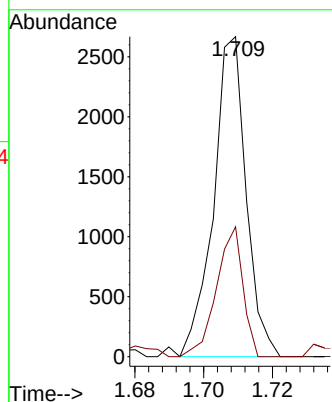
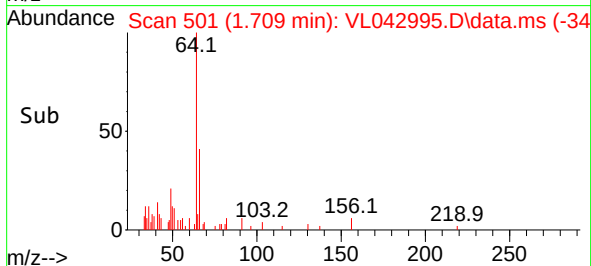
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 40.6 24.6 36.8

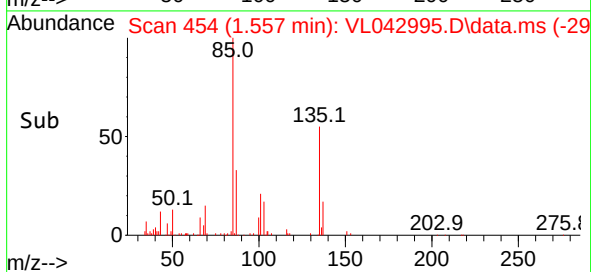
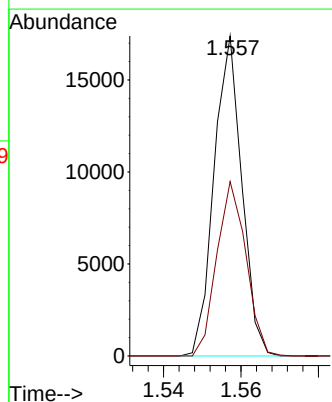
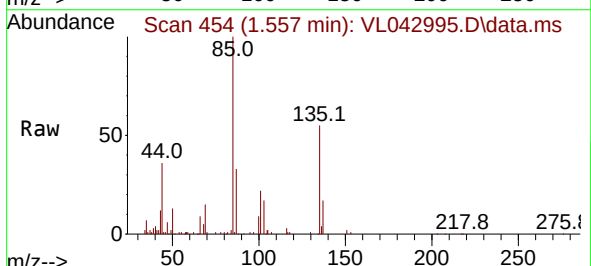
Manual Integrations
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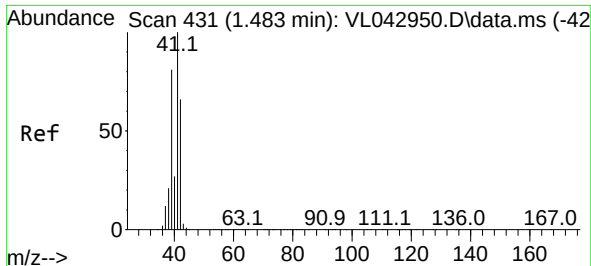
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#8
Dichlorotetrafluoroethane
Concen: 0.486 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

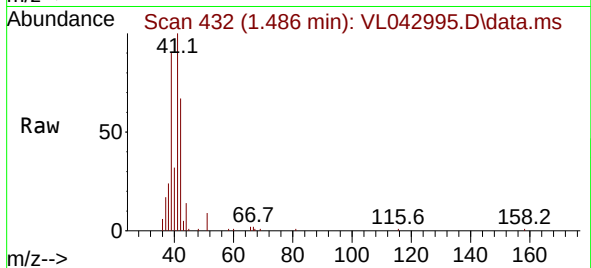
Tgt Ion: 85 Resp: 8654
Ion Ratio Lower Upper
85 100
135 57.5 49.7 74.5





#9
 Propene
 Concen: 0.408 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

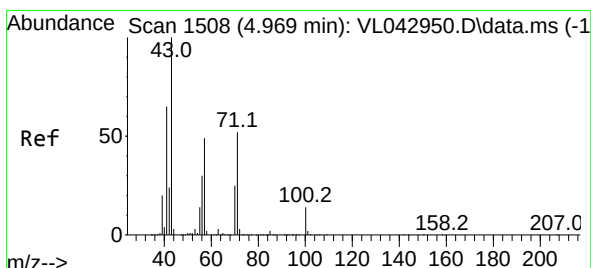
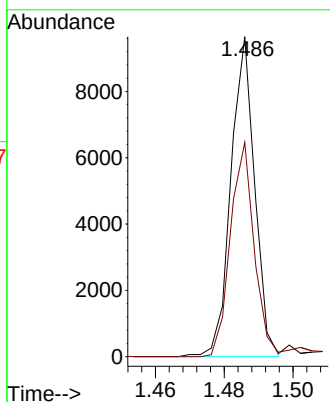
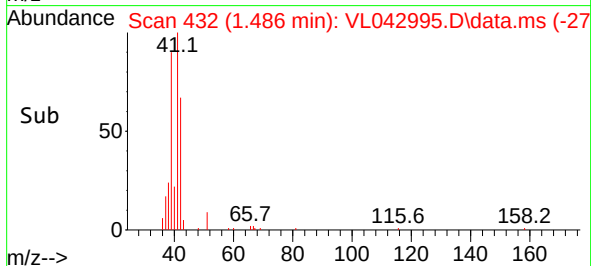
Instrument :
 MSVOA_L
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 LOD-MDL-AIR-01-QT3-2025



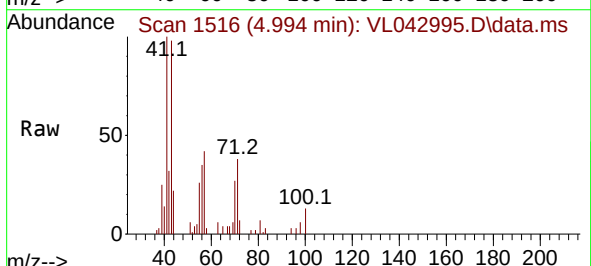
Tgt Ion: 41 Resp: 4619
 Ion Ratio Lower Upper
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 42 71.0 57.4 86.2

Manual Integrations
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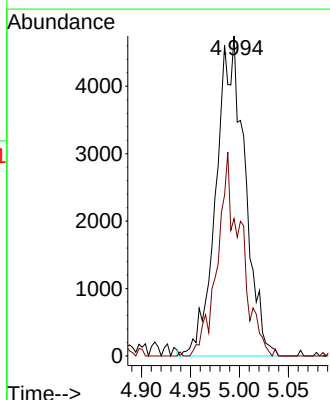
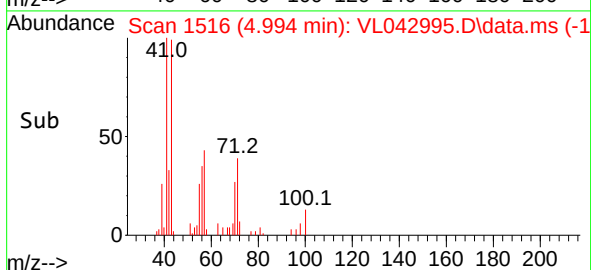
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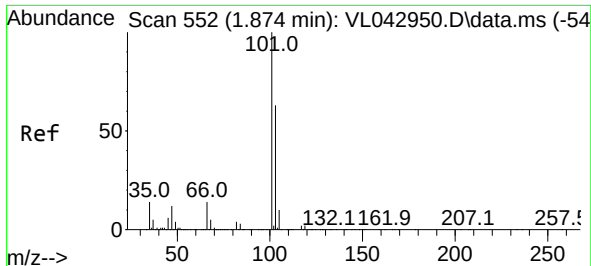


#10
 Heptane
 Concen: 0.321 ppbv m
 RT: 4.994 min Scan# 1516
 Delta R.T. 0.026 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01



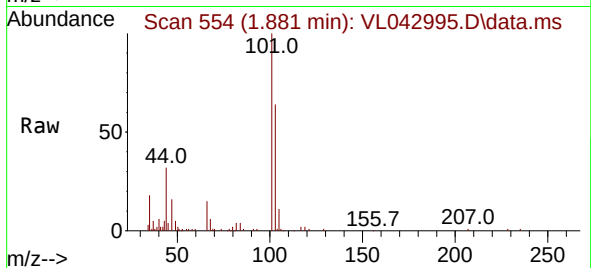
Tgt Ion: 43 Resp: 9696
 Ion Ratio Lower Upper
 43 100
 57 52.6 38.6 57.8





#11
 Trichlorofluoromethane
 Concen: 0.476 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

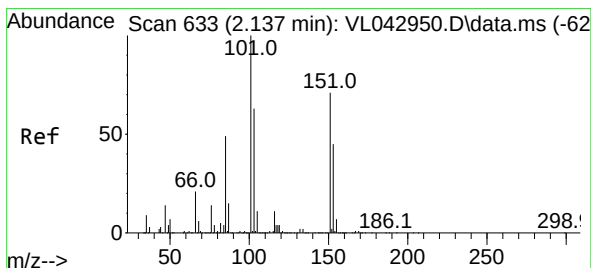
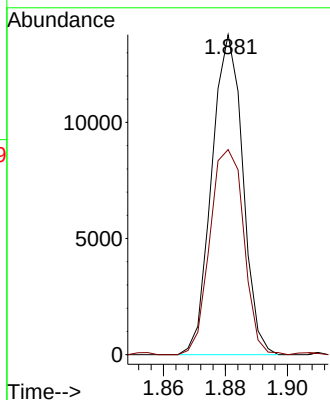
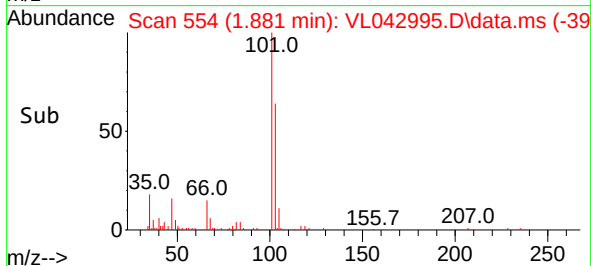
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



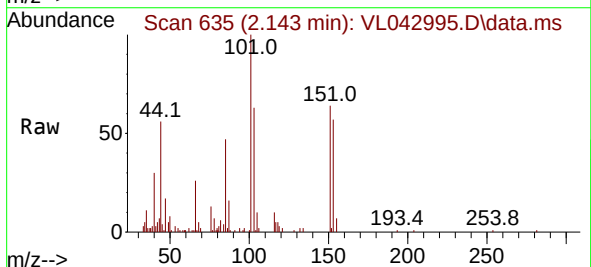
Tgt Ion:101 Resp: 9590
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.1 75.1

Manual Integrations
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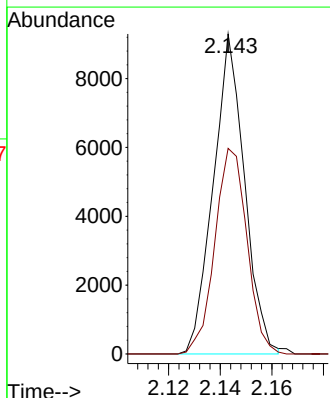
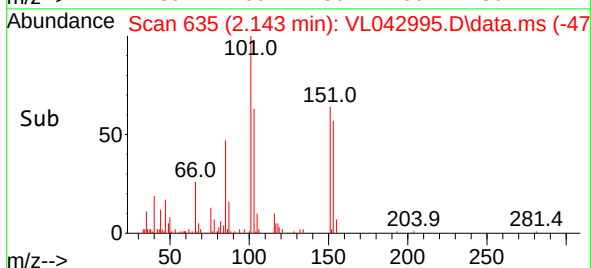
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

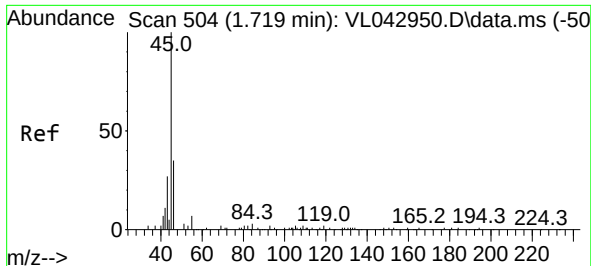


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.479 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01



Tgt Ion:101 Resp: 7807
 Ion Ratio Lower Upper
 101 100
 151 66.2 55.7 83.5





#13

Ethanol

Concen: 0.860 ppbv

RT: 1.725 min Scan# 504

Delta R.T. 0.006 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

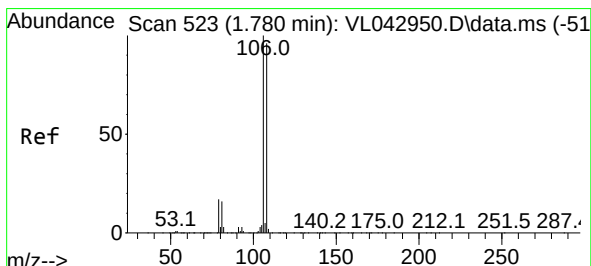
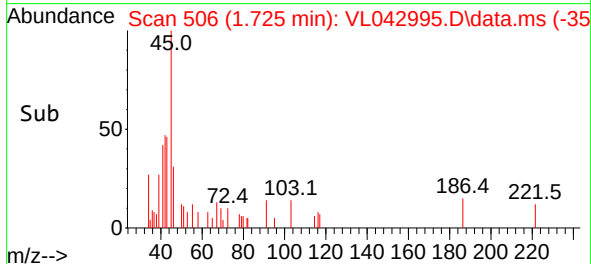
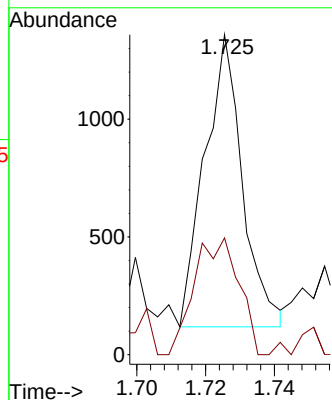
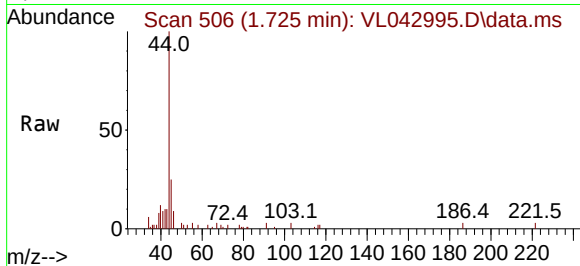
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 45 Resp: 944
 Ion Ratio Lower Upper
 45 100
 46 56.5 16.2 64.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#14

Bromoethene

Concen: 0.433 ppbv

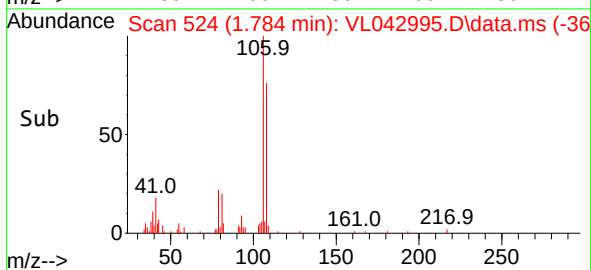
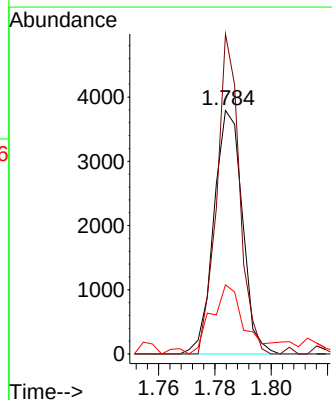
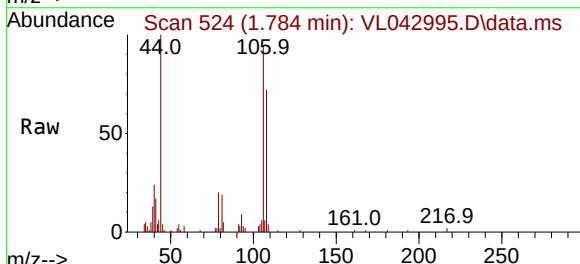
RT: 1.784 min Scan# 524

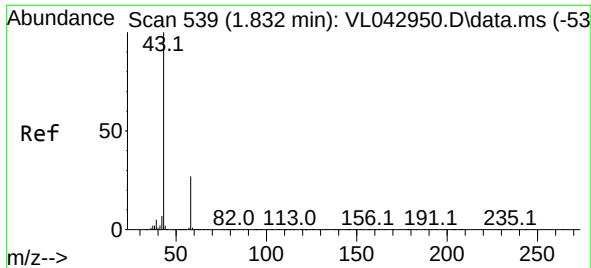
Delta R.T. 0.003 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Tgt Ion:108 Resp: 2667
 Ion Ratio Lower Upper
 108 100
 106 105.0 86.0 129.0
 79 40.8 14.2 21.2#





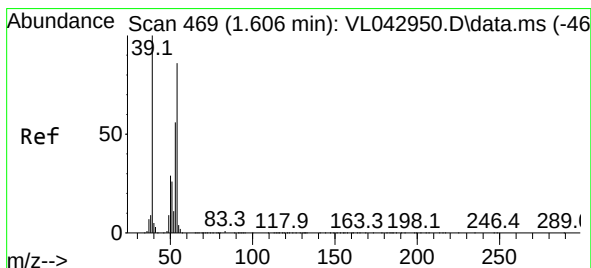
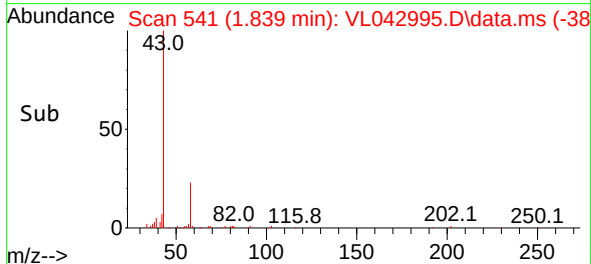
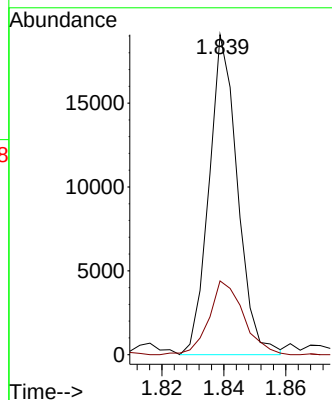
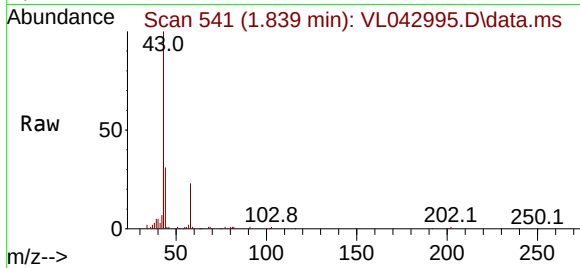
#15
Acetone
Concen: 0.604 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
58 28.3 22.3 33.5

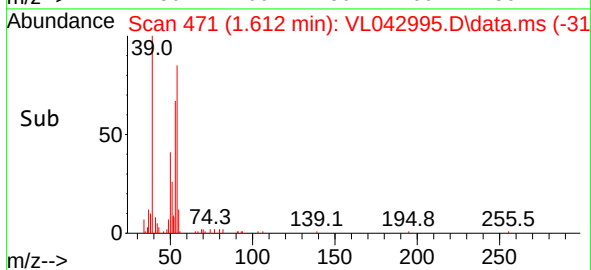
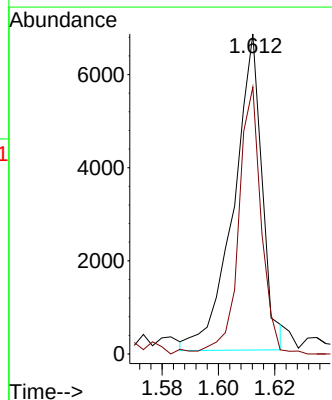
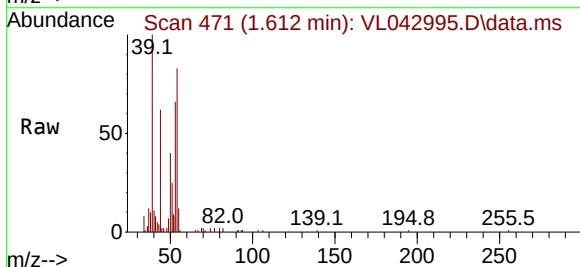
Manual Integrations
APPROVED

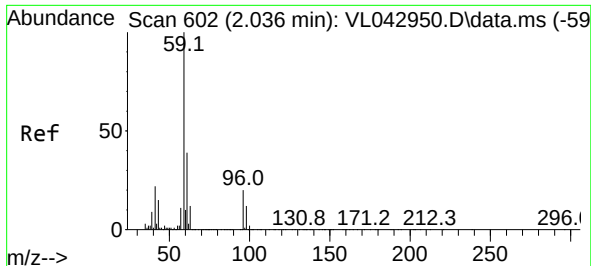
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#16
1,3-Butadiene
Concen: 0.499 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 39 Resp: 4763
Ion Ratio Lower Upper
39 100
54 72.2 60.8 91.2





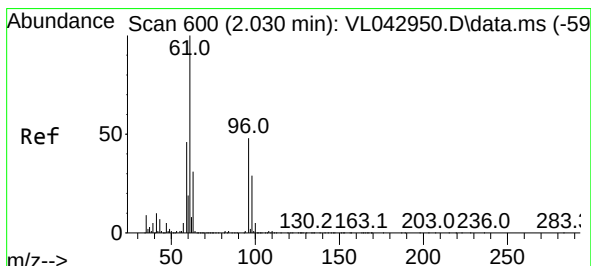
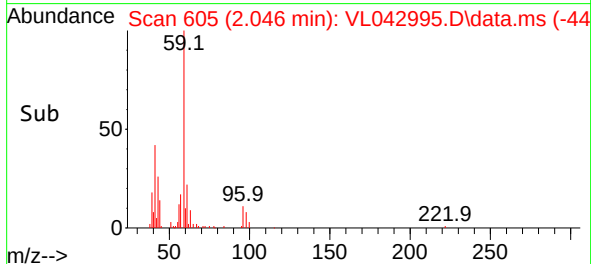
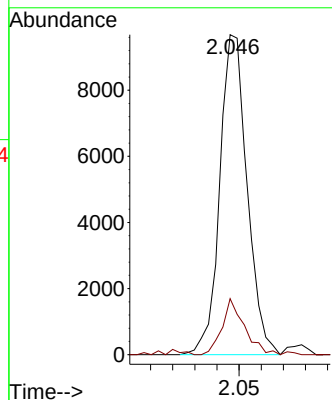
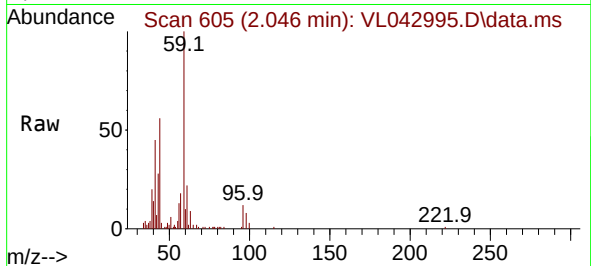
#17
tert-Butyl alcohol
Concen: 0.375 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 59 Resp: 8309
Ion Ratio Lower Upper
59 100
57 15.3 8.6 12.8

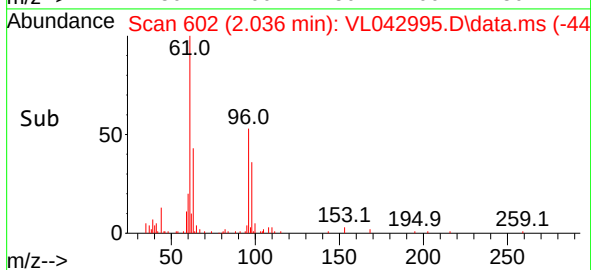
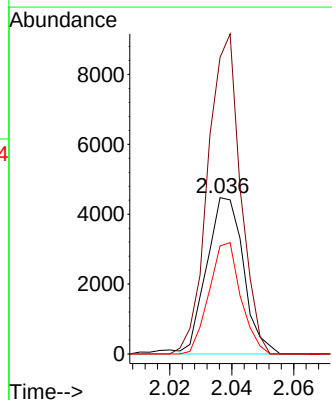
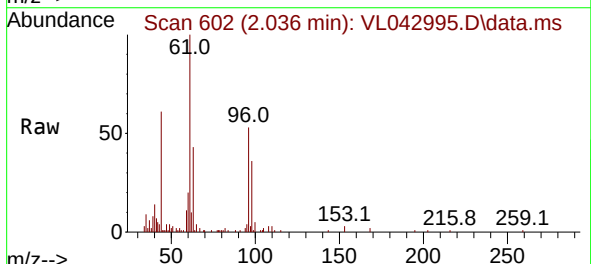
Manual Integrations
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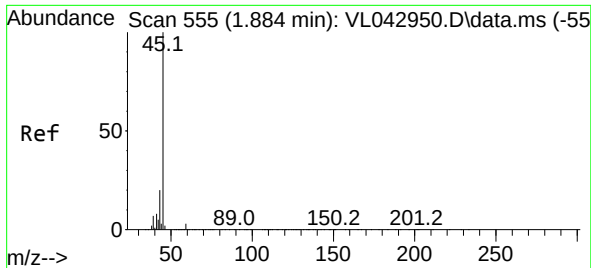
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#18
1,1-Dichloroethene
Concen: 0.487 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

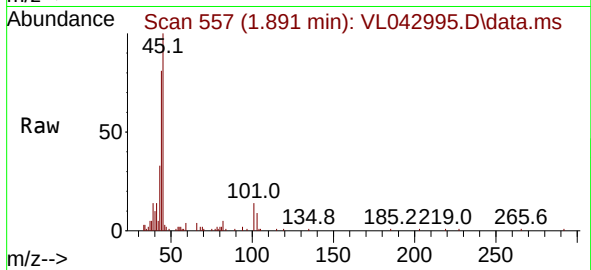
Tgt Ion: 96 Resp: 3672
Ion Ratio Lower Upper
96 100
61 189.7 166.2 249.4
98 69.1 48.6 73.0





#19
Isopropyl Alcohol
Concen: 0.441 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

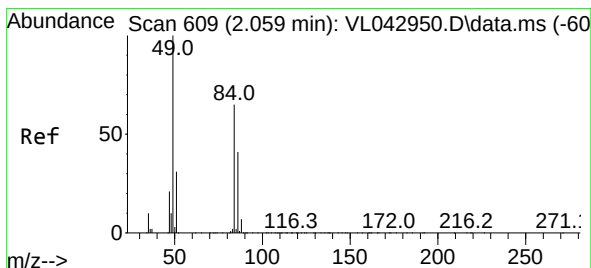
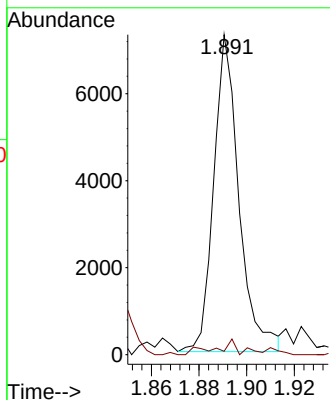
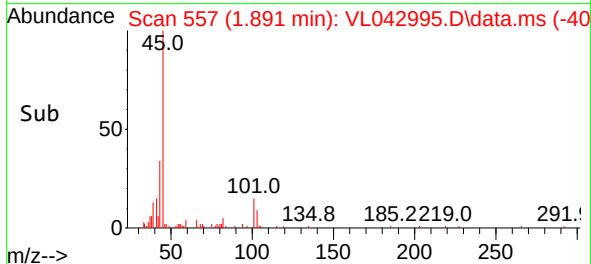
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



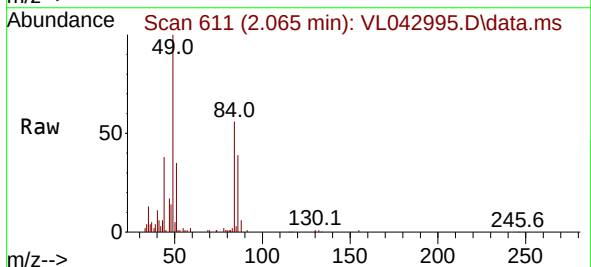
Tgt Ion: 45 Resp: 536
Ion Ratio Lower Upper
45 100
58 5.7 31.0 46.6

Manual Integrations
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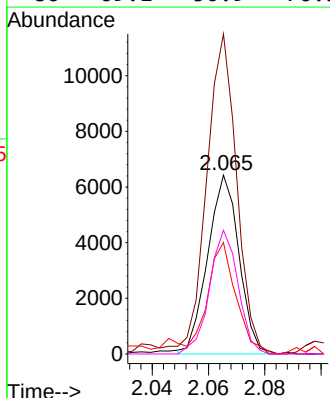
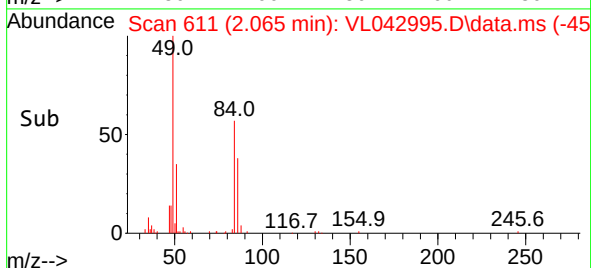
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

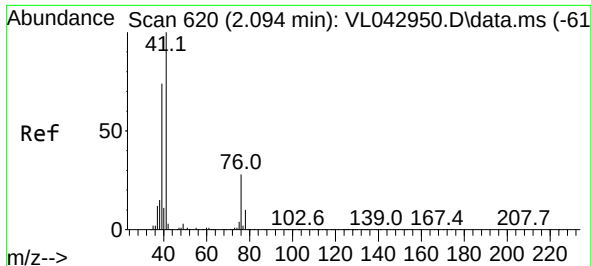


#20
Methylene Chloride
Concen: 0.585 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01



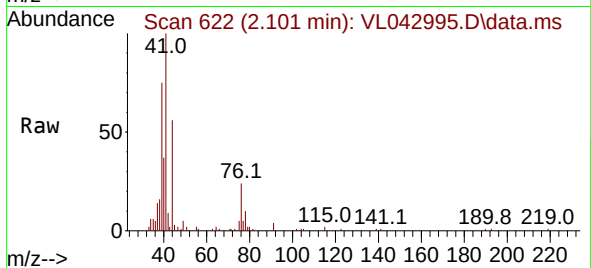
Tgt Ion: 84 Resp: 4951
Ion Ratio Lower Upper
84 100
49 178.8 124.1 186.1
51 62.3 39.8 59.8#
86 69.1 50.9 76.3





#21
 Allyl Chloride
 Concen: 0.454 ppbv
 RT: 2.101 min Scan# 619
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

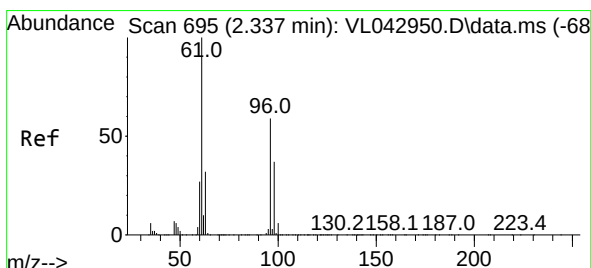
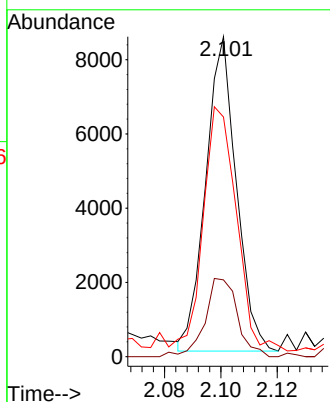
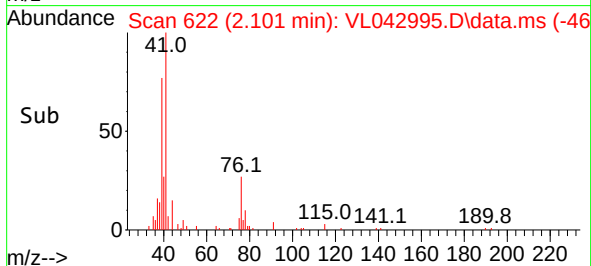
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 41 Resp: 639
 Ion Ratio Lower Upper
 41 100
 76 26.8 22.3 33.5
 39 90.6 61.3 91.9

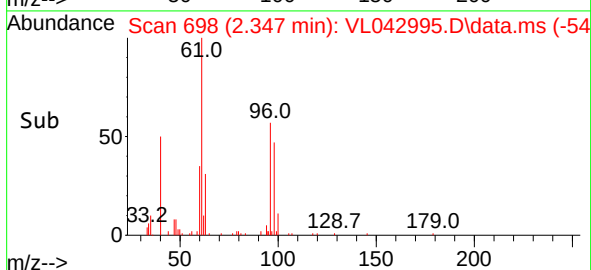
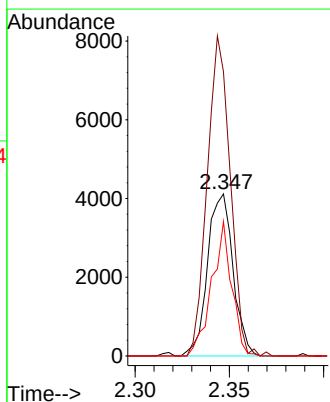
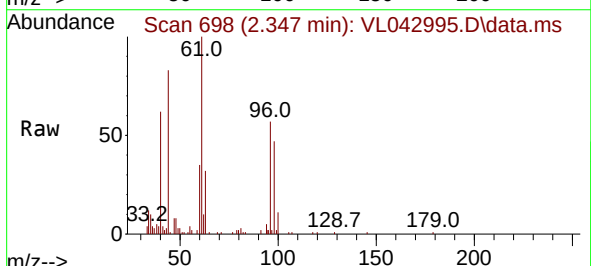
Manual Integrations
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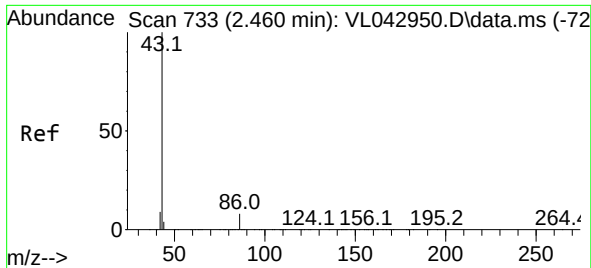
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.451 ppbv m
 RT: 2.347 min Scan# 698
 Delta R.T. 0.010 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

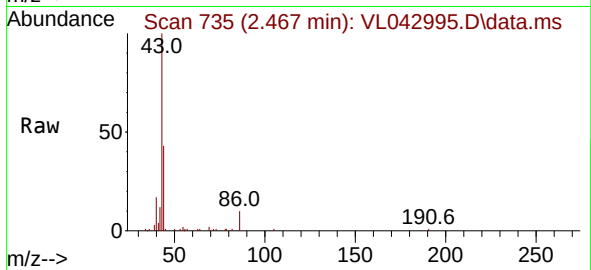
Tgt Ion: 96 Resp: 3866
 Ion Ratio Lower Upper
 96 100
 61 175.3 136.5 204.7
 98 82.9 50.6 76.0#





#23
 Vinyl Acetate
 Concen: 0.362 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

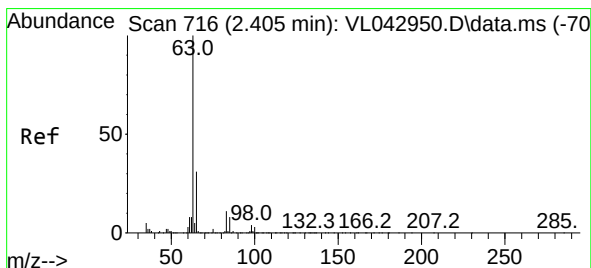
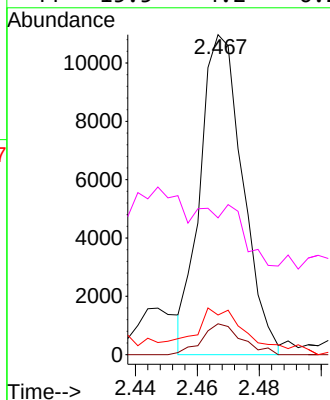
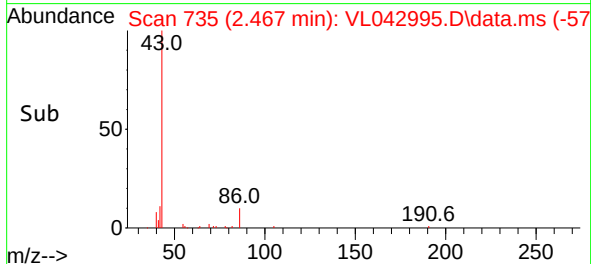
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.9	6.2	9.2
42	9.6	7.4	11.0
44	15.5	4.2	6.2

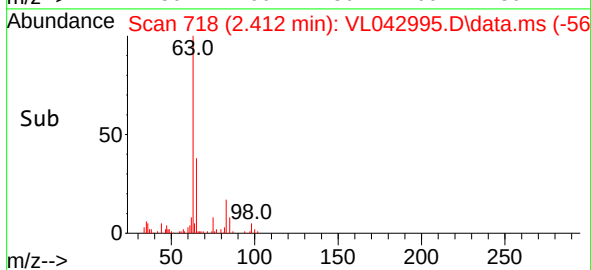
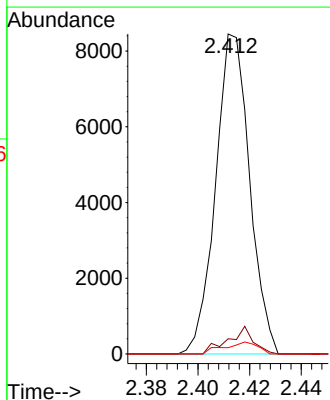
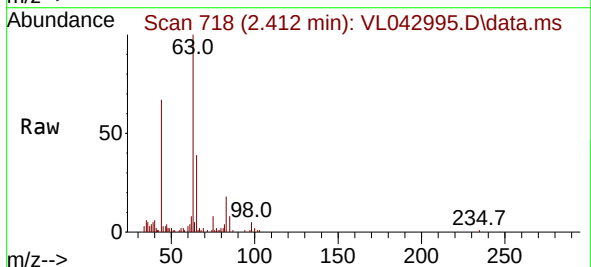
Manual Integrations
 APPROVED

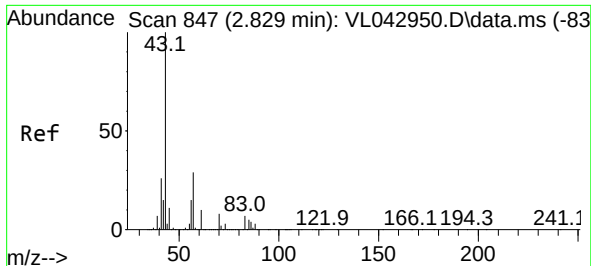
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#24
 1,1-Dichloroethane
 Concen: 0.461 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

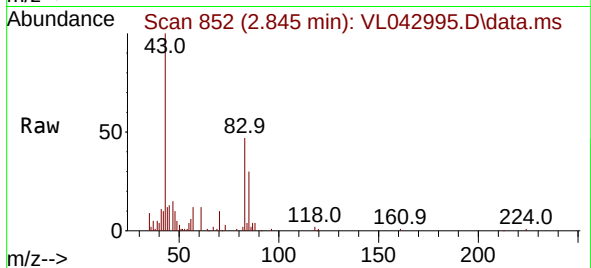
Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.2	6.6
100	1.9	1.4	4.0





#25
Ethyl Acetate
Concen: 0.389 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

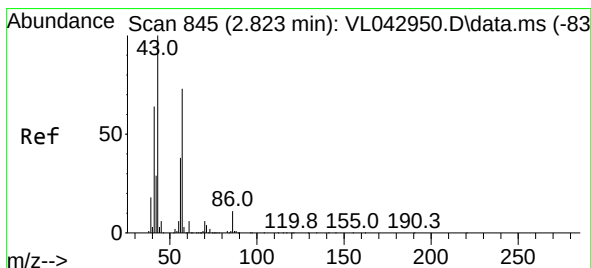
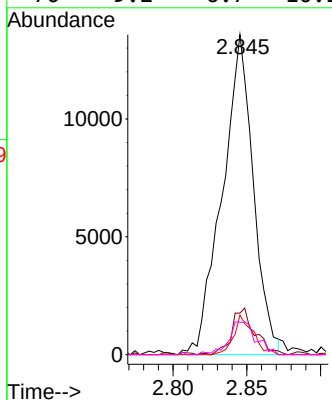
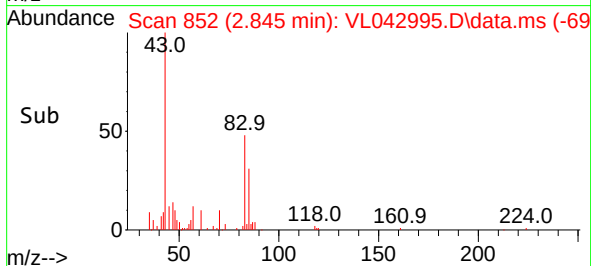
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
45 11.5 7.7 11.5
61 7.7 7.1 10.7
70 9.2 6.7 10.1

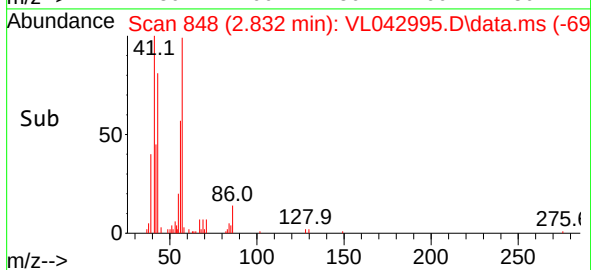
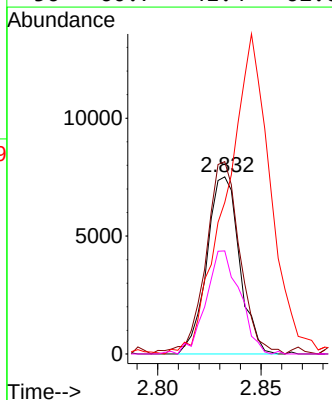
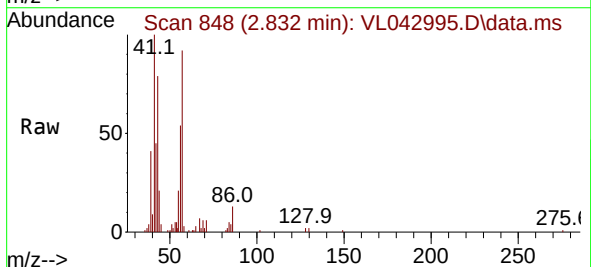
Manual Integrations
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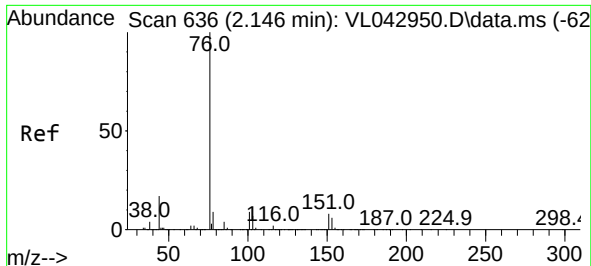
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#26
Hexane
Concen: 0.354 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

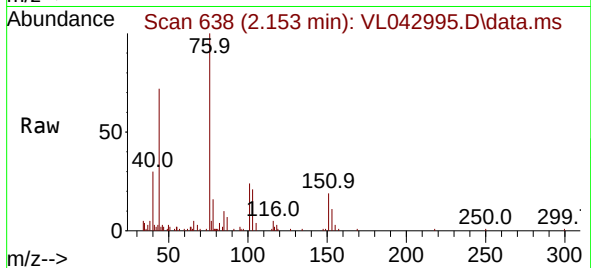
Tgt Ion: 57 Resp: 8253
Ion Ratio Lower Upper
57 100
41 114.1 71.7 107.5#
43 250.2 180.8 271.2
56 60.7 41.4 62.0





#27
Carbon Disulfide
Concen: 0.376 ppbv
RT: 2.153 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

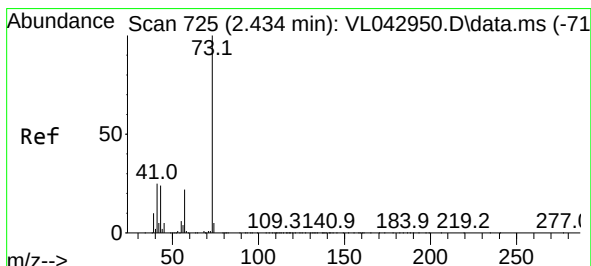
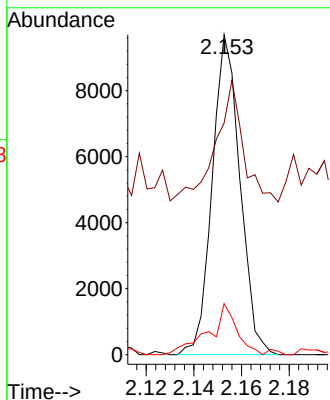
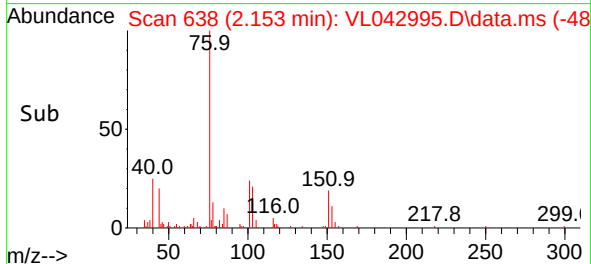
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 76 Resp: 7840
Ion Ratio Lower Upper
76 100
44 84.8 15.6 23.4
78 16.7 8.9 13.3

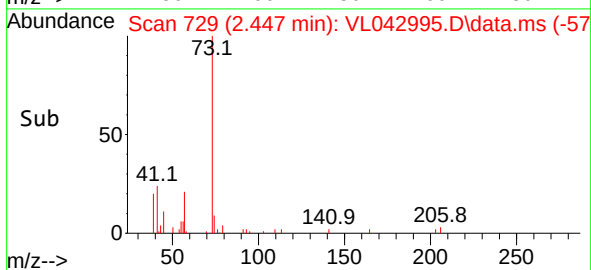
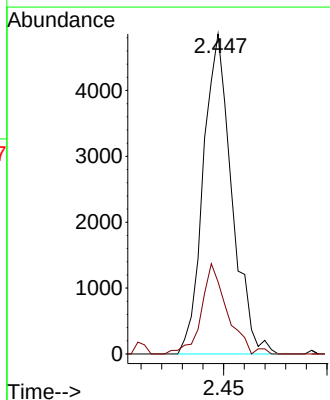
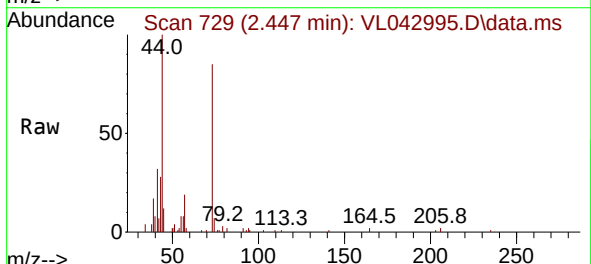
Manual Integrations
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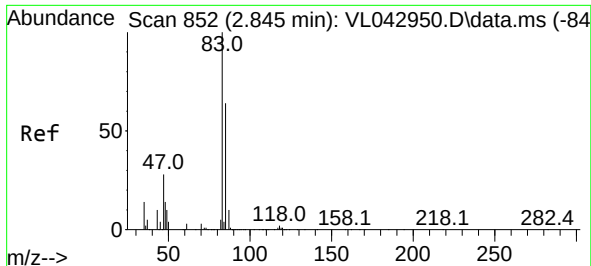
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#28
Methyl tert-Butyl Ether
Concen: 0.386 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 73 Resp: 4671
Ion Ratio Lower Upper
73 100
57 26.7 20.6 31.0





#29

Chloroform

Concen: 0.514 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.010 min

Lab File: VL042995.D

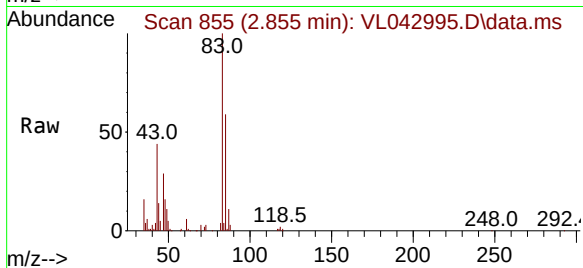
Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

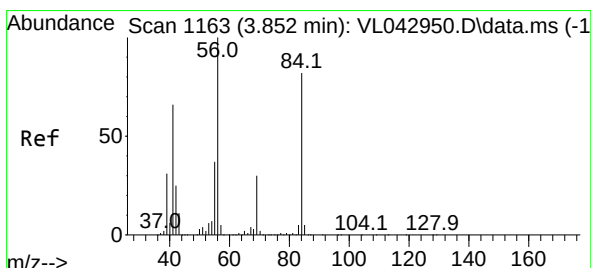
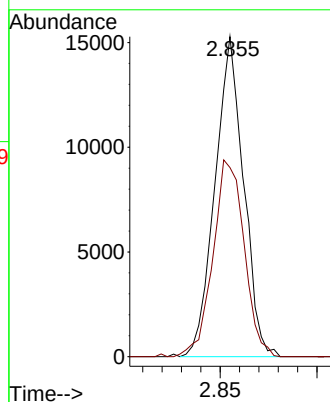
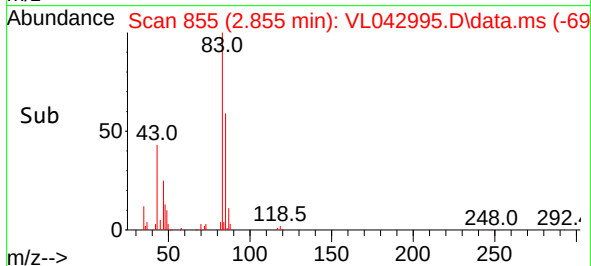


Tgt Ion:	83	Resp:	1566
Ion Ratio	100	Lower	Upper
83	100		
85	59.1	51.2	76.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#30

Cyclohexane

Concen: 0.306 ppbv m

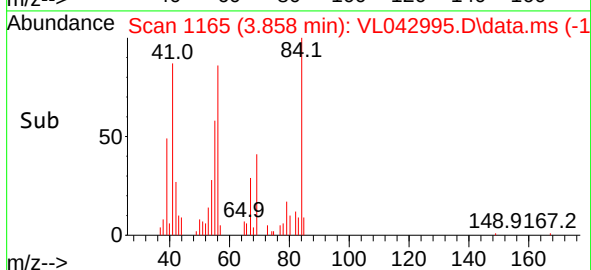
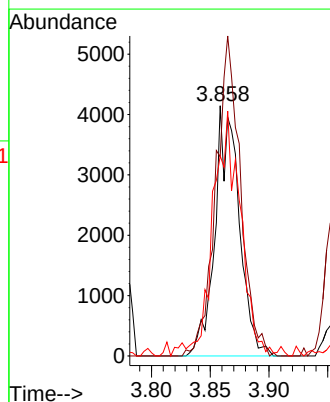
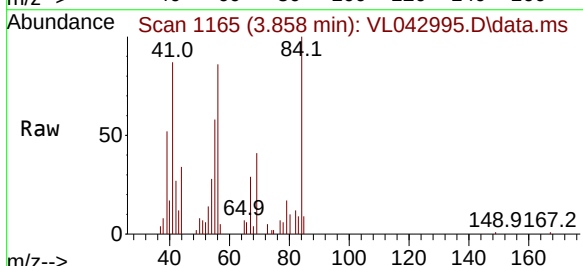
RT: 3.858 min Scan# 1165

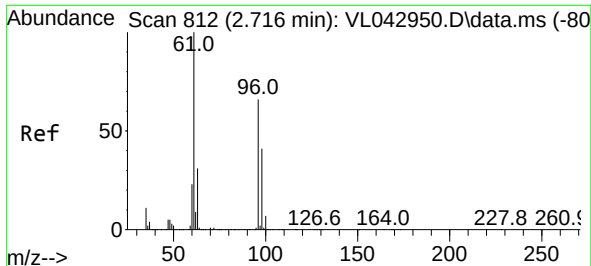
Delta R.T. 0.006 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

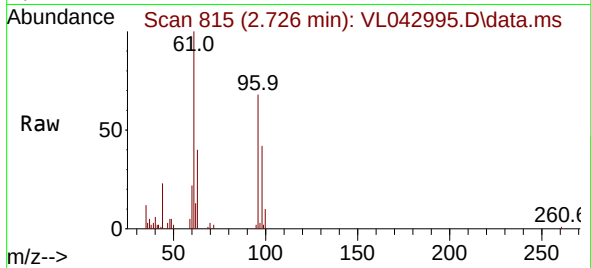
Tgt Ion:	84	Resp:	5953
Ion Ratio	100	Lower	Upper
84	100		
56	129.4	102.2	153.4
41	112.7	65.6	98.4





#31
 cis-1,2-Dichloroethene
 Concen: 0.412 ppbv
 RT: 2.726 min Scan# 812
 Delta R.T. 0.010 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

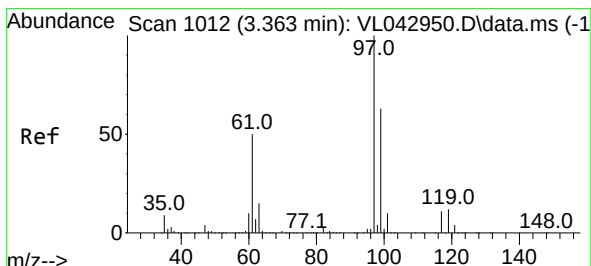
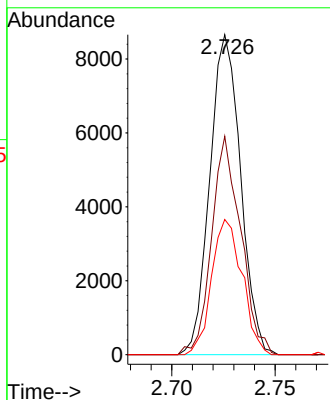
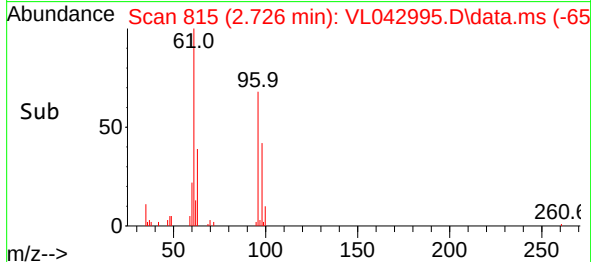
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 61 Resp: 898
 Ion Ratio Lower Upper
 61 100
 96 68.3 53.0 79.6
 98 42.2 32.9 49.3

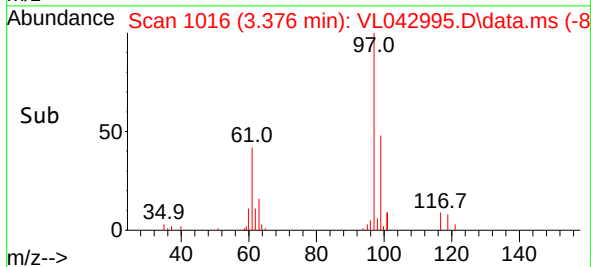
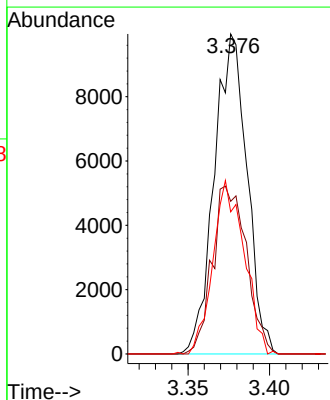
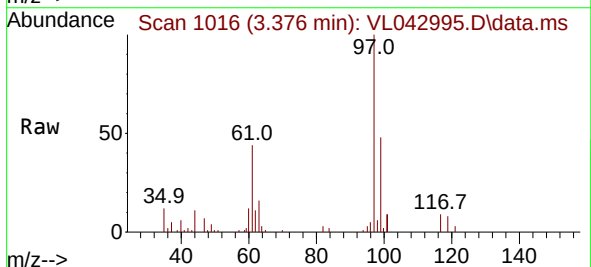
Manual Integrations
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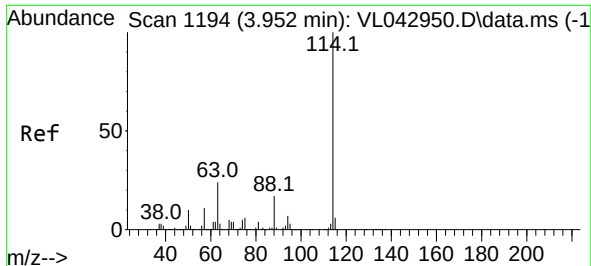
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.422 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.013 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

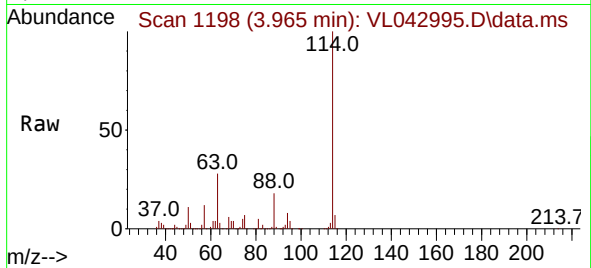
Tgt Ion: 97 Resp: 13895
 Ion Ratio Lower Upper
 97 100
 99 54.6 51.1 76.7
 61 51.7 39.8 59.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1194
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

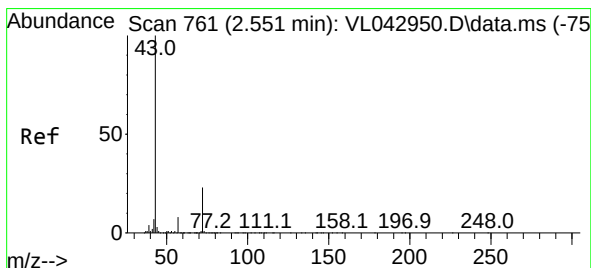
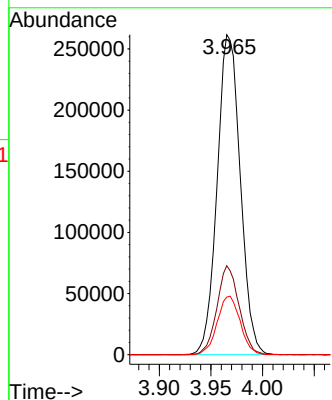
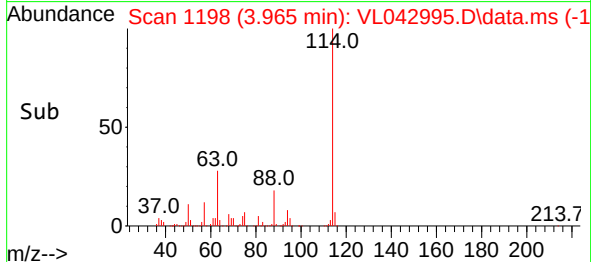
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion:114 Resp: 407758
Ion Ratio Lower Upper
114 100
63 26.7 19.4 29.2
88 18.2 14.2 21.2

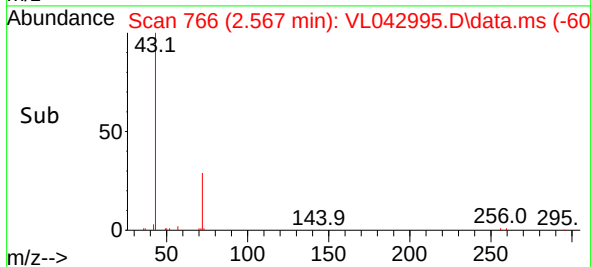
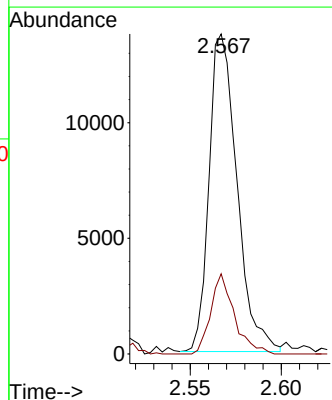
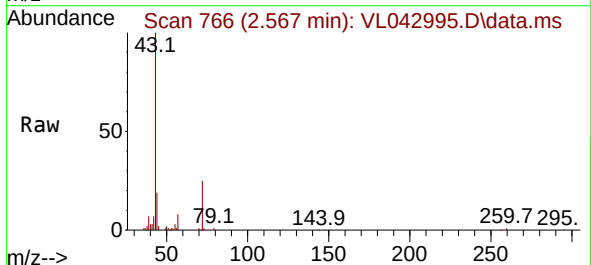
Manual Integrations
APPROVED

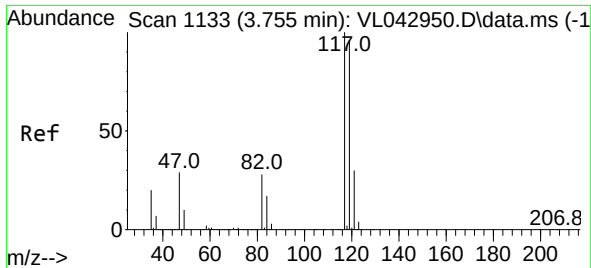
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#34
2-Butanone
Concen: 0.513 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

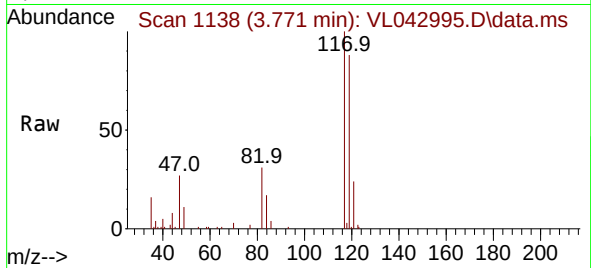
Tgt Ion: 43 Resp: 14664
Ion Ratio Lower Upper
43 100
72 21.3 17.7 26.5





#35
Carbon Tetrachloride
Concen: 0.522 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

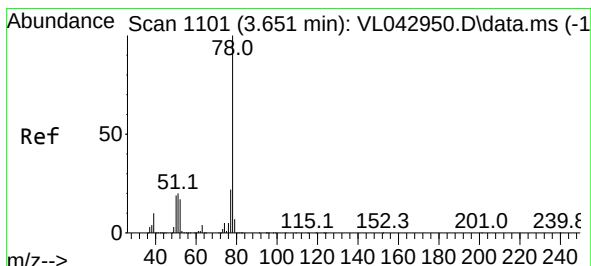
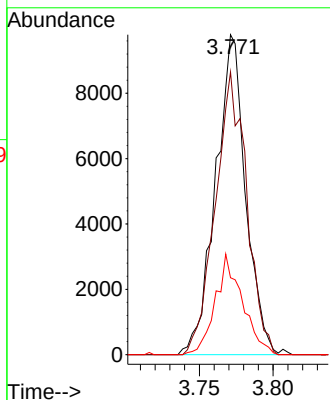
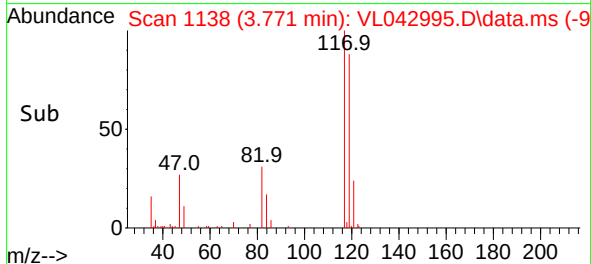
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 117 Resp: 13870
Ion Ratio Lower Upper
117 100
119 88.3 76.9 115.3
121 24.1 23.7 35.5

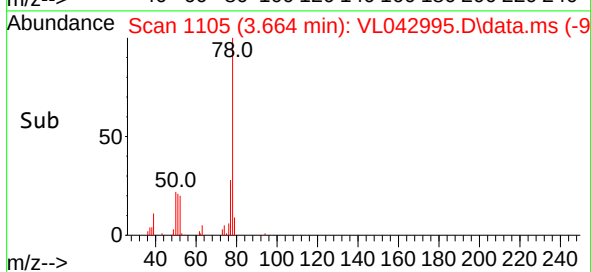
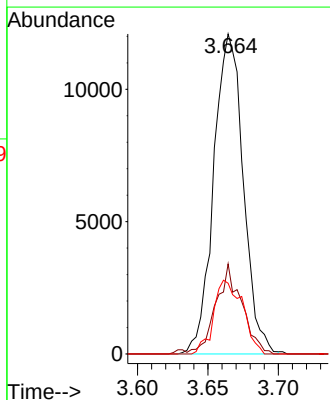
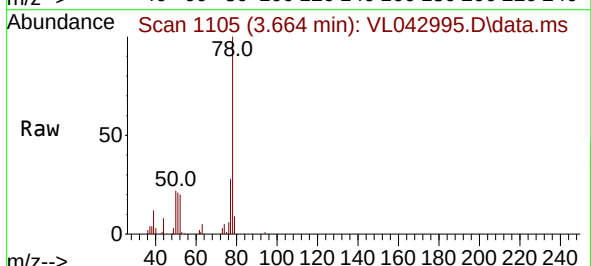
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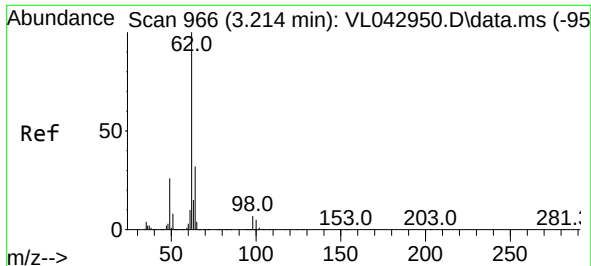
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#36
Benzene
Concen: 0.462 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

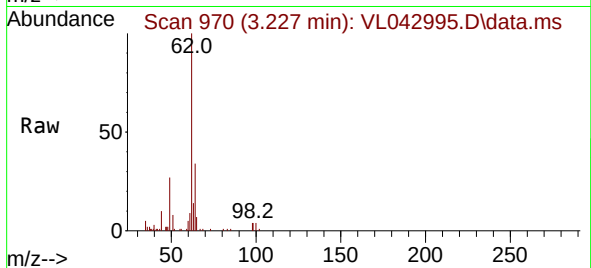
Tgt Ion: 78 Resp: 17708
Ion Ratio Lower Upper
78 100
77 27.5 17.8 26.6#
50 22.1 15.0 22.4





#37
1,2-Dichloroethane
Concen: 0.573 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

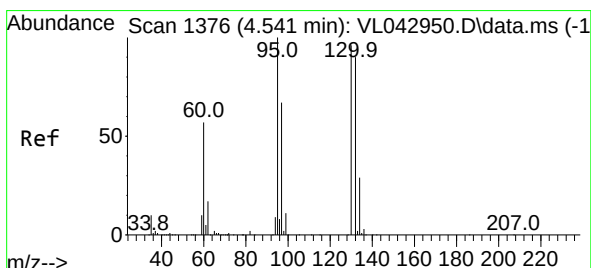
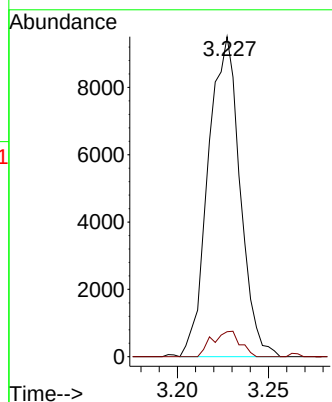
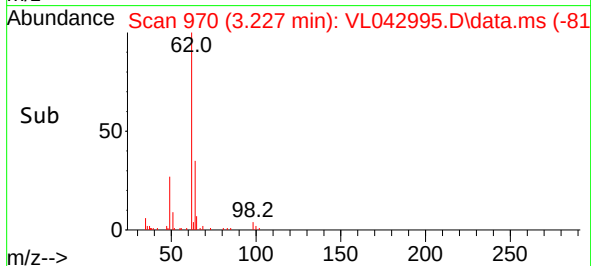
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 62 Resp: 1154
Ion Ratio Lower Upper
62 100
98 7.1 5.9 8.9

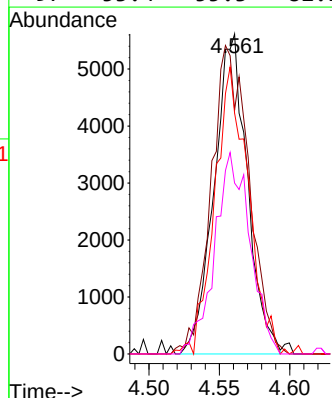
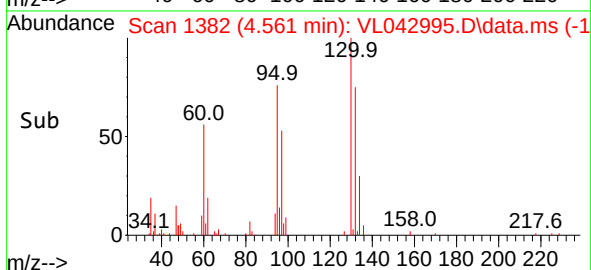
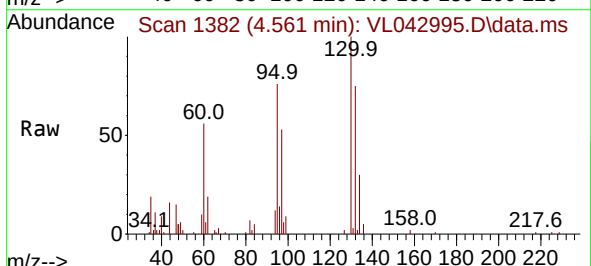
Manual Integrations
APPROVED

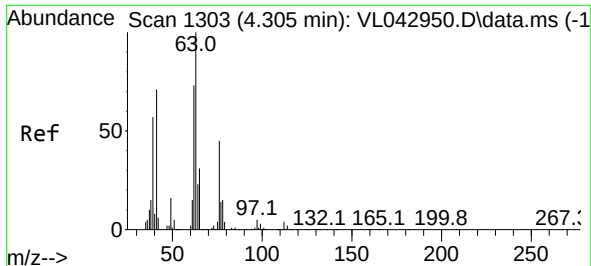
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#38
Trichloroethene
Concen: 0.481 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.019 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:130 Resp: 9160
Ion Ratio Lower Upper
130 100
95 73.7 83.0 124.4#
132 75.2 74.6 112.0
97 53.4 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 0.525 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. 0.019 min

Lab File: VL042995.D

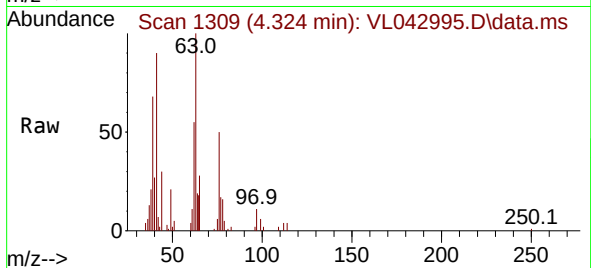
Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025



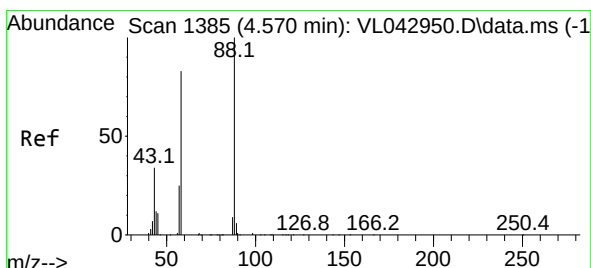
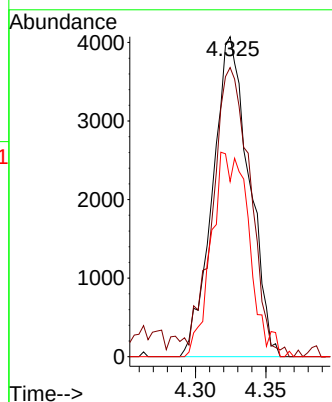
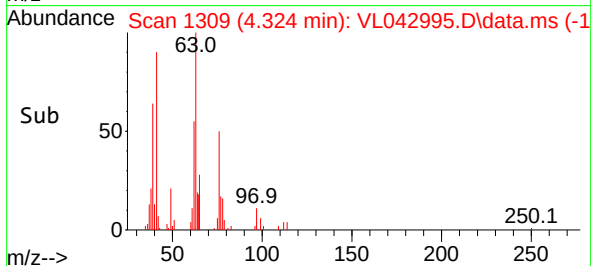
Tgt Ion:	63	Resp:	7339
Ion Ratio	Lower	Upper	
63	100		
41	88.2	57.5	86.3#
62	54.8	58.5	87.7#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#40

1,4-Dioxane

Concen: 0.413 ppbv m

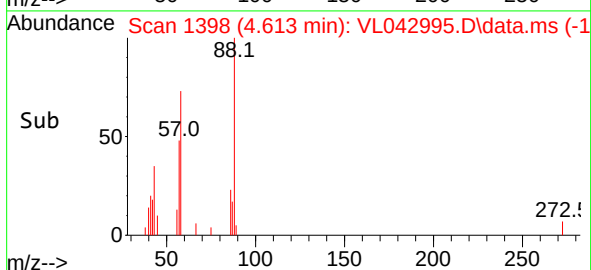
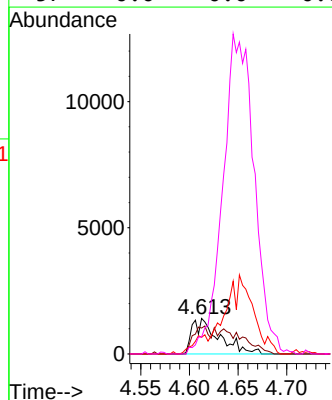
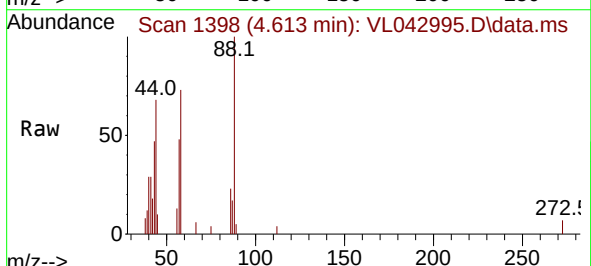
RT: 4.613 min Scan# 1398

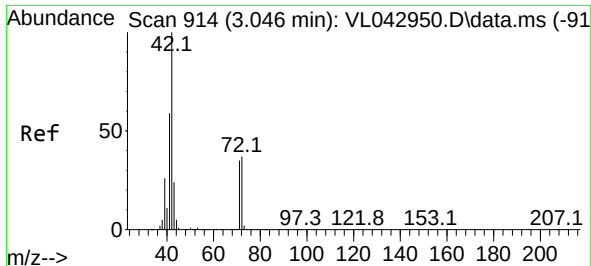
Delta R.T. 0.042 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

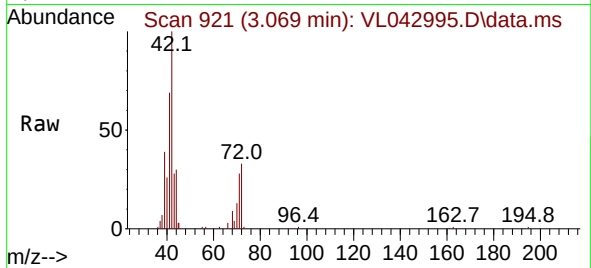
Tgt Ion:	88	Resp:	2684
Ion Ratio	Lower	Upper	
88	100		
58	0.0	59.7	89.5#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.394 ppbv
RT: 3.069 min Scan# 914
Delta R.T. 0.023 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

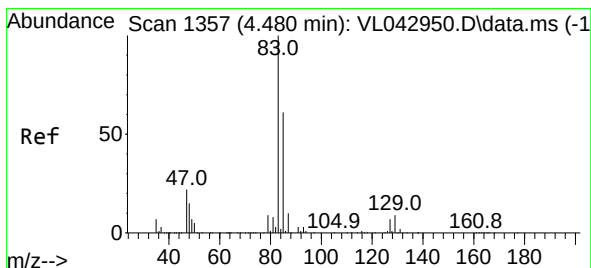
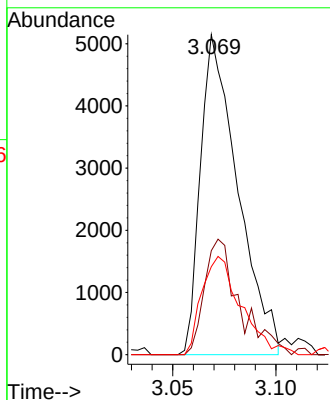
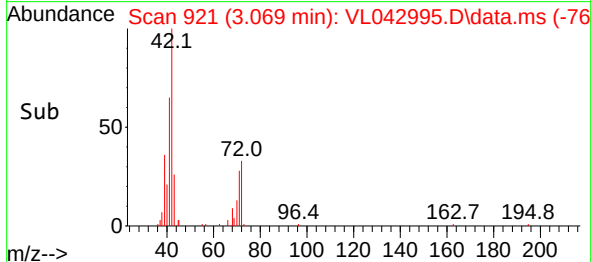
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 42 Resp: 6470
Ion Ratio Lower Upper
42 100
72 34.4 30.0 45.0
71 33.0 28.8 43.2

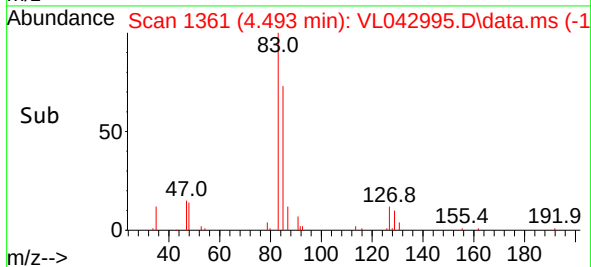
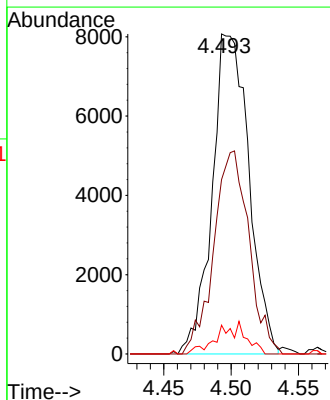
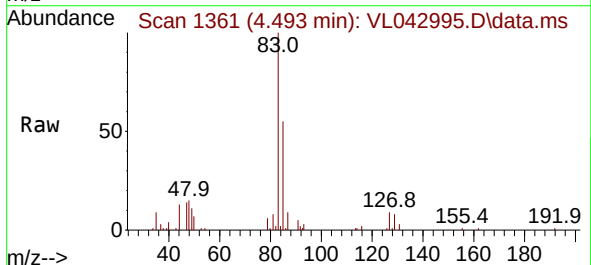
Manual Integrations
APPROVED

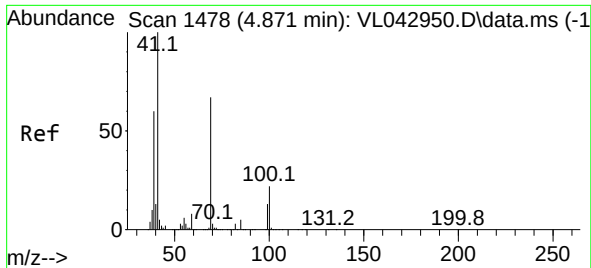
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#42
Bromodichloromethane
Concen: 0.545 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 83 Resp: 15274
Ion Ratio Lower Upper
83 100
85 54.5 49.0 73.6
127 9.0 5.3 7.9





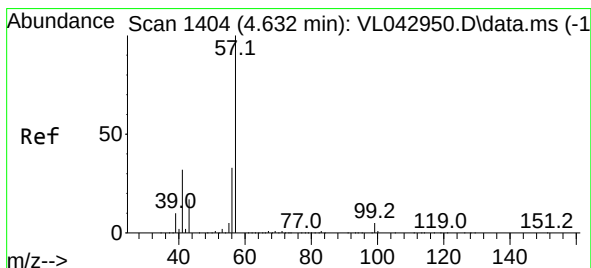
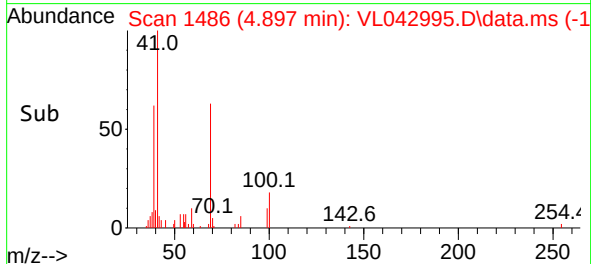
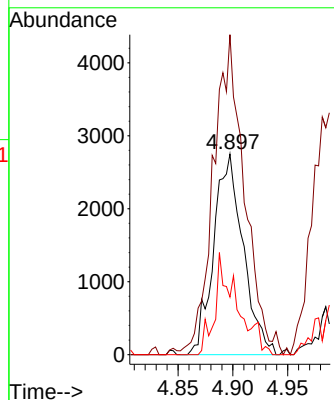
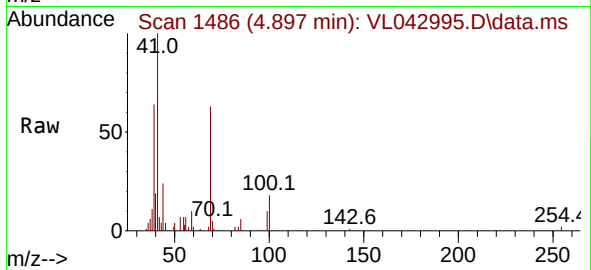
#43
Methyl Methacrylate
Concen: 0.328 ppbv m
RT: 4.897 min Scan# 1478
Delta R.T. 0.026 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 69 Resp: 514
Ion Ratio Lower Upper
69 100
41 169.2 124.5 186.7
100 38.6 29.0 43.6

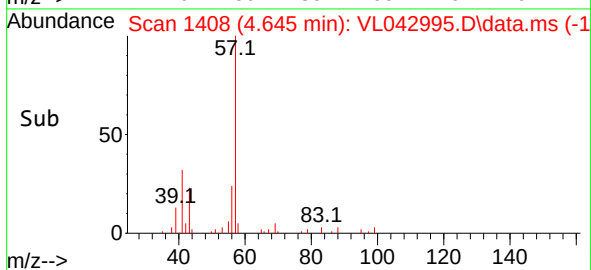
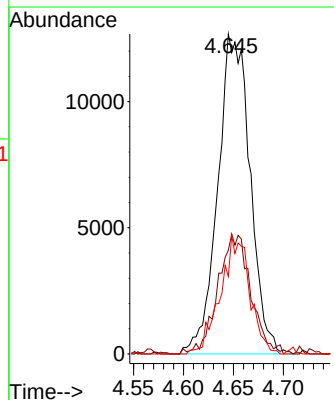
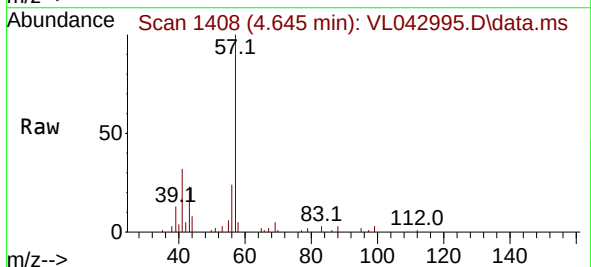
Manual Integrations
APPROVED

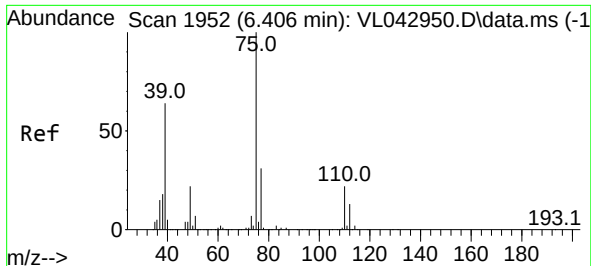
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#44
2,2,4-Trimethylpentane
Concen: 0.430 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

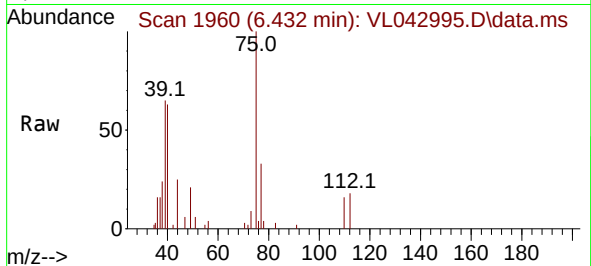
Tgt Ion: 57 Resp: 28435
Ion Ratio Lower Upper
57 100
41 38.3 25.5 38.3#
56 33.6 25.8 38.8





#45
t-1,3-Dichloropropene
Concen: 0.327 ppbv m
RT: 6.432 min Scan# 1952
Delta R.T. 0.026 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

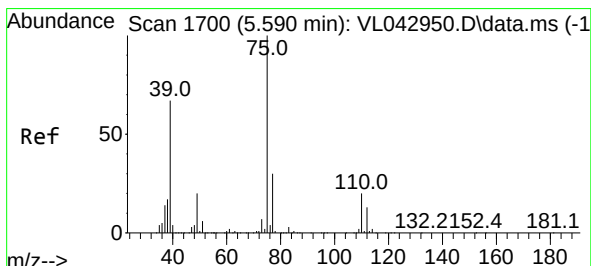
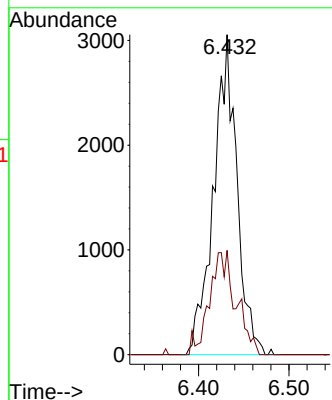
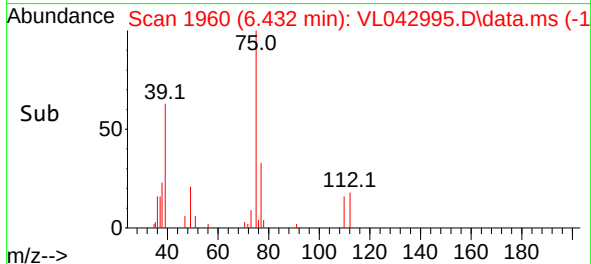
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 75 Resp: 546
Ion Ratio Lower Upper
75 100
77 32.6 25.0 37.4

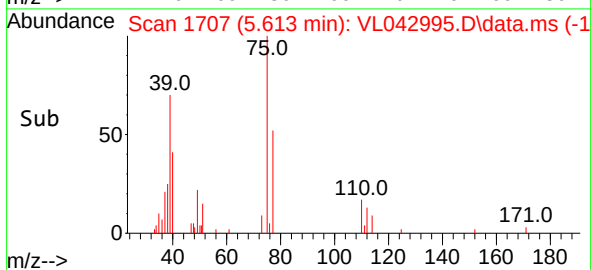
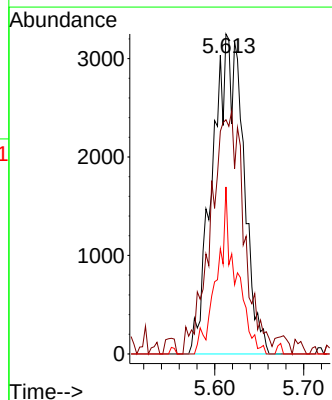
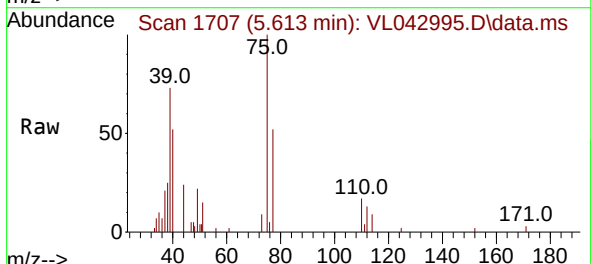
Manual Integrations
APPROVED

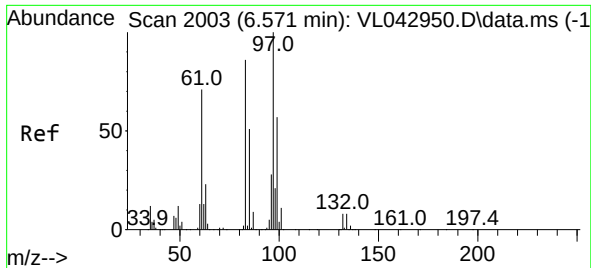
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#46
cis-1,3-Dichloropropene
Concen: 0.372 ppbv m
RT: 5.613 min Scan# 1707
Delta R.T. 0.023 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

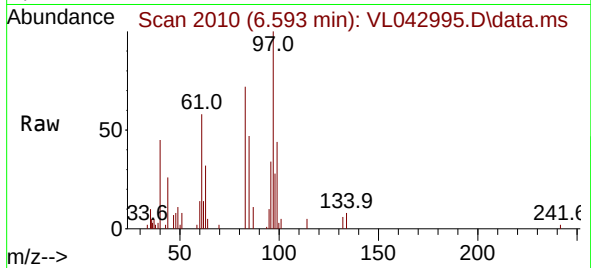
Tgt Ion: 75 Resp: 7916
Ion Ratio Lower Upper
75 100
39 73.2 53.8 80.6
77 52.2 23.6 35.4#





#47
1,1,2-Trichloroethane
Concen: 0.536 ppbv m
RT: 6.593 min Scan# 2003
Delta R.T. 0.023 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

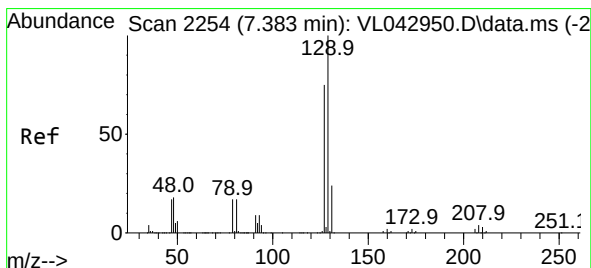
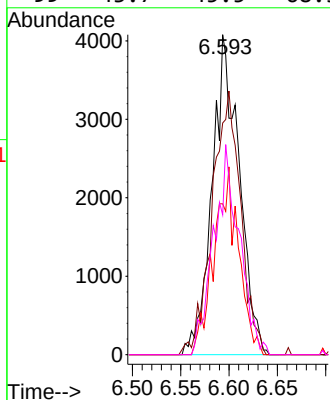
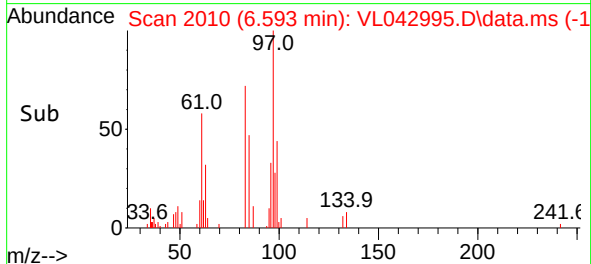
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 97 Resp: 7912
Ion Ratio Lower Upper
97 100
83 72.4 68.7 103.1
85 47.2 40.6 60.8
99 43.7 45.5 68.3#

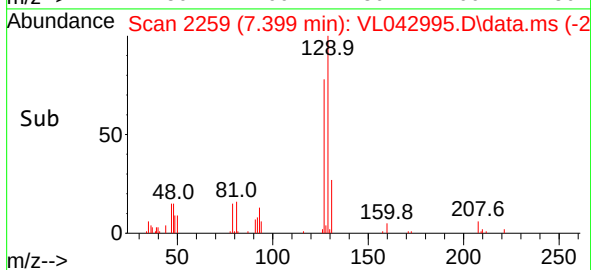
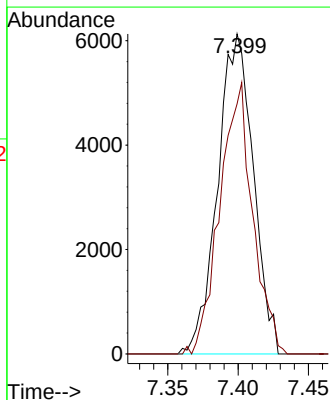
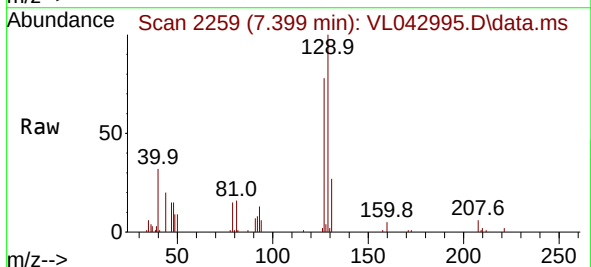
Manual Integrations
APPROVED

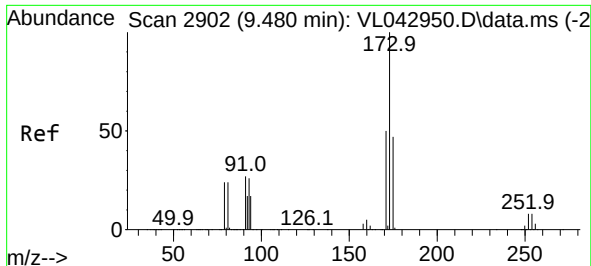
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#48
Dibromochloromethane
Concen: 0.457 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

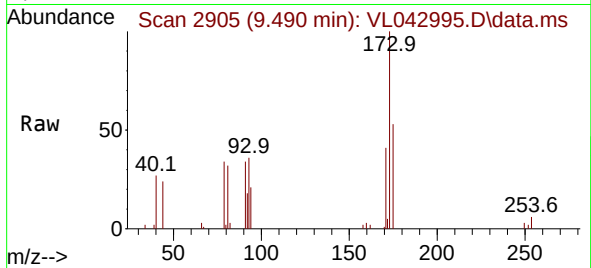
Tgt Ion:129 Resp: 10806
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#49
Bromoform
Concen: 0.392 ppbv
RT: 9.490 min Scan# 2902
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

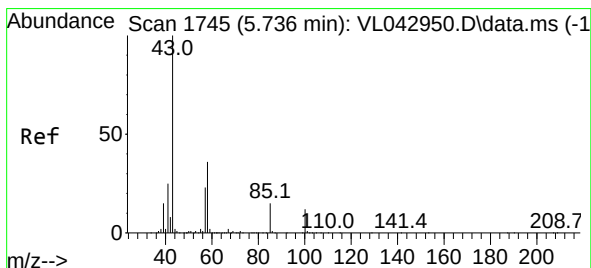
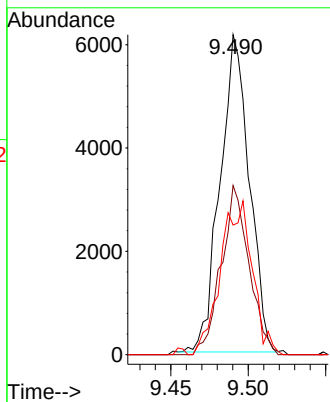
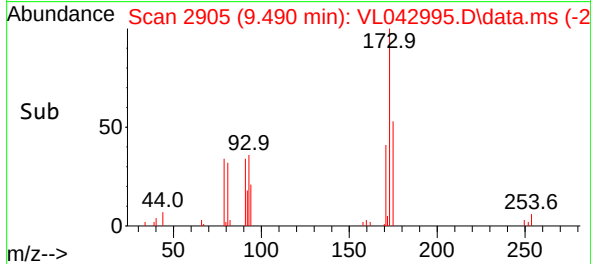
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 173 Resp: 8048
Ion Ratio Lower Upper
173 100
175 50.9 37.9 56.9
171 53.4 41.1 61.7

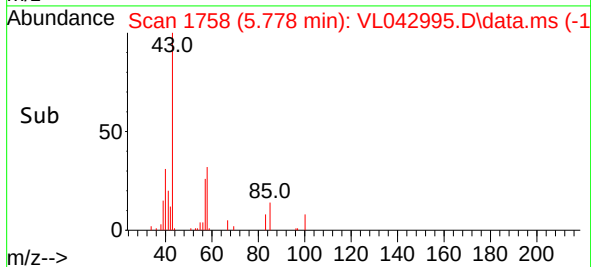
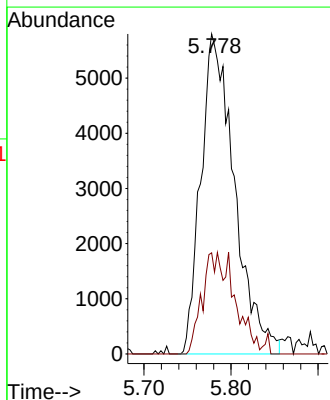
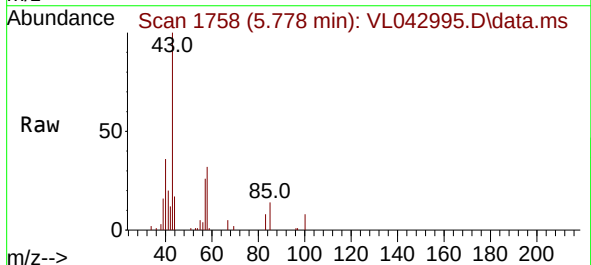
Manual Integrations
APPROVED

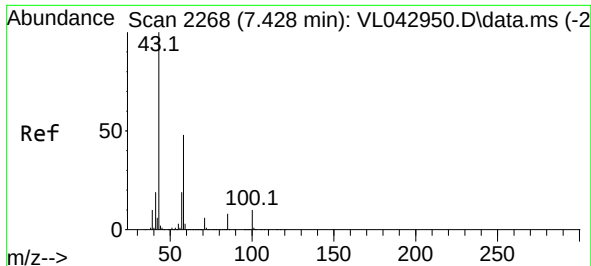
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#50
4-Methyl-2-Pentanone
Concen: 0.406 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.042 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

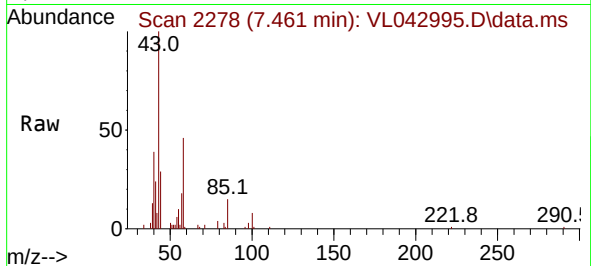
Tgt Ion: 43 Resp: 15544
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#





#51
2-Hexanone
Concen: 0.330 ppbv m
RT: 7.461 min Scan# 2108
Delta R.T. 0.032 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

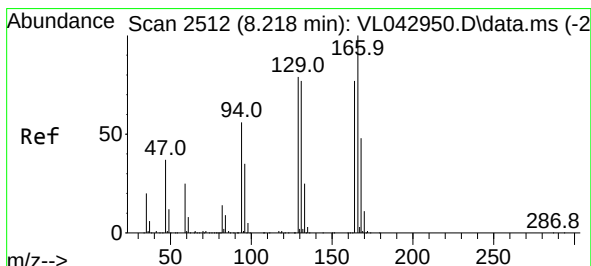
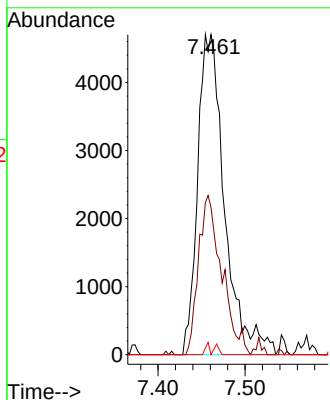
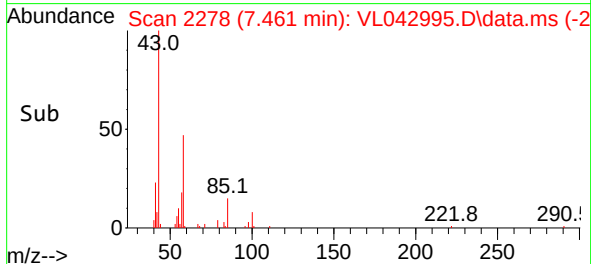
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 43 Resp: 10089
Ion Ratio Lower Upper
43 100
58 44.3 39.7 59.5
98 1.1 0.1 0.1

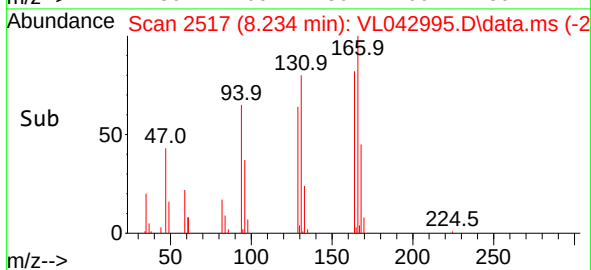
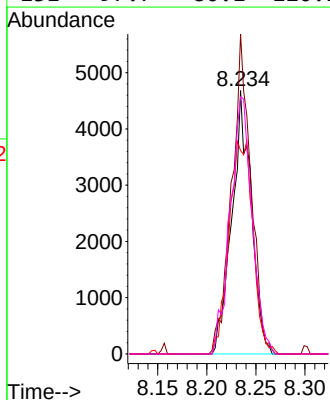
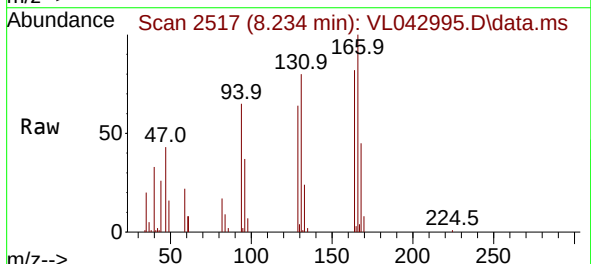
Manual Integrations
APPROVED

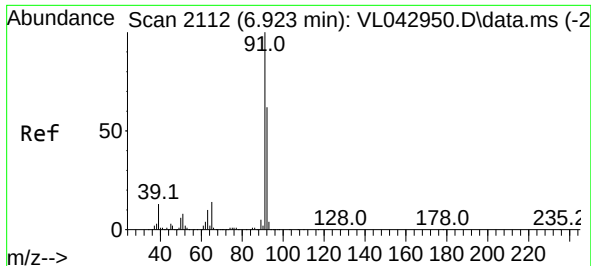
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#52
Tetrachloroethene
Concen: 0.433 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

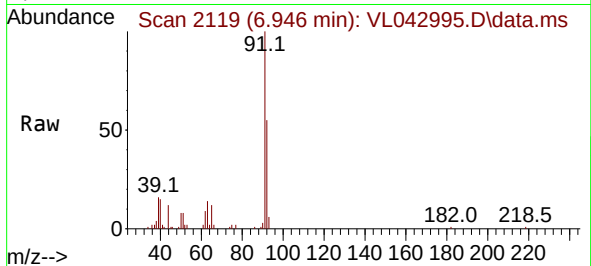
Tgt Ion:164 Resp: 6414
Ion Ratio Lower Upper
164 100
166 121.5 103.5 155.3
129 77.2 82.2 123.4#
131 97.7 80.1 120.1





#53
Toluene
Concen: 0.361 ppbv
RT: 6.946 min Scan# 2112
Delta R.T. 0.023 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

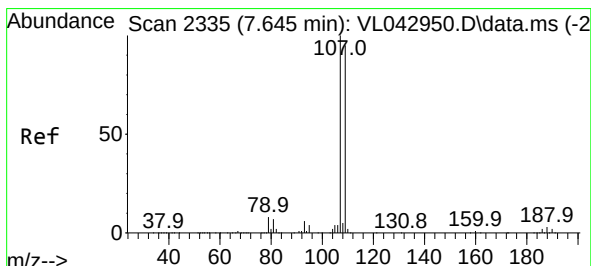
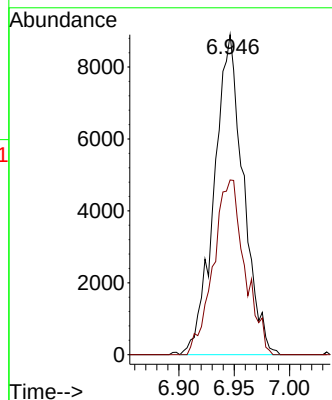
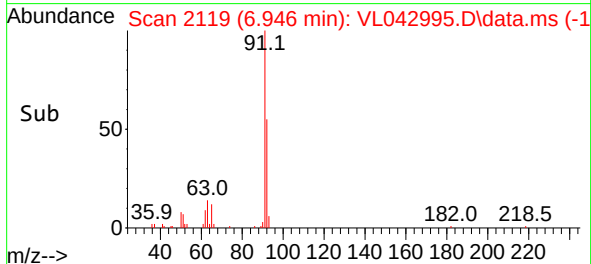
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 91 Resp: 16348
Ion Ratio Lower Upper
91 100
92 58.7 48.2 72.2

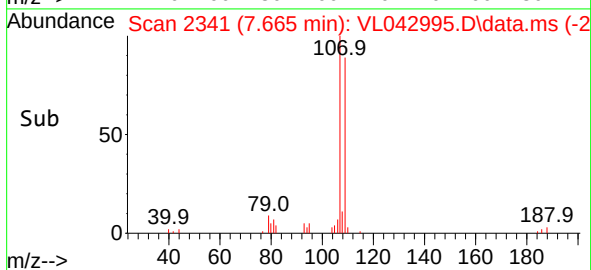
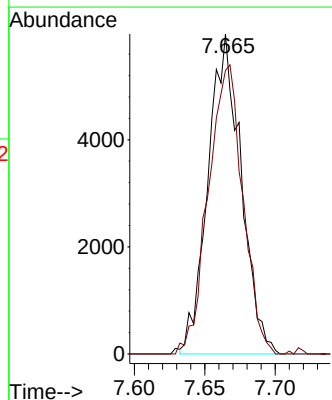
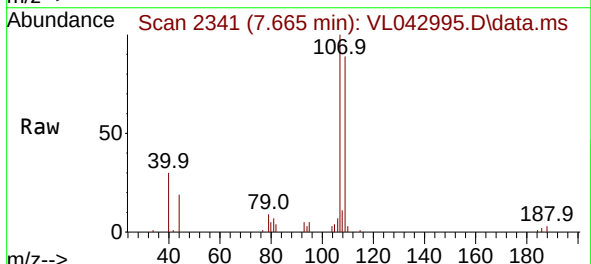
Manual Integrations
APPROVED

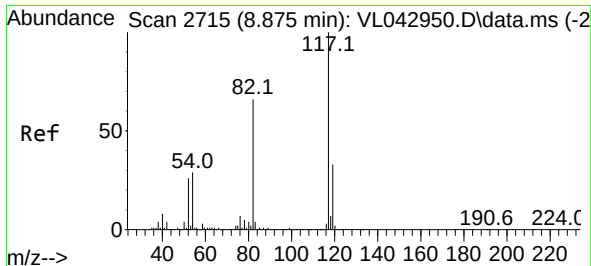
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#54
1,2-Dibromoethane
Concen: 0.470 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.019 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:107 Resp: 9769
Ion Ratio Lower Upper
107 100
109 88.6 75.8 113.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

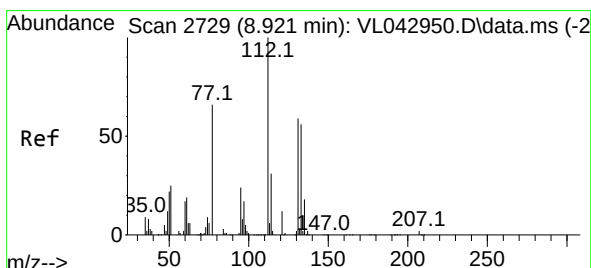
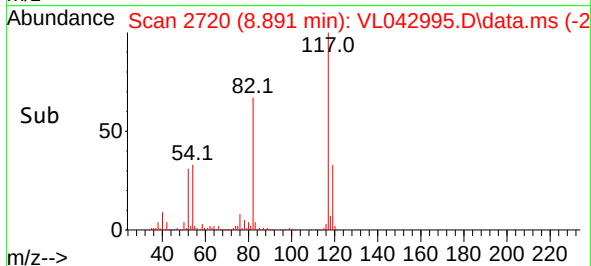
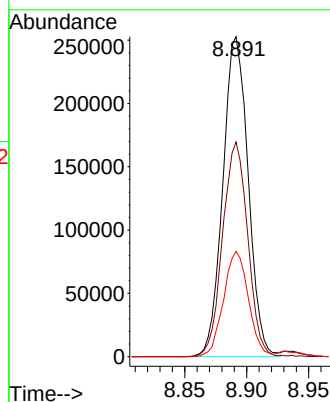
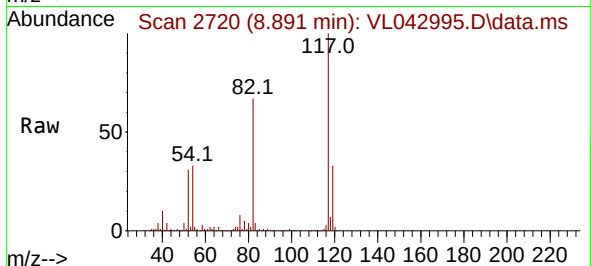
LOD-MDL-AIR-01-QT3-2025

Tgt Ion:	117	Resp:	36046
Ion Ratio	Lower	Upper	
117	100		
82	66.6	52.8	79.2
119	33.9	26.5	39.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.493 ppbv

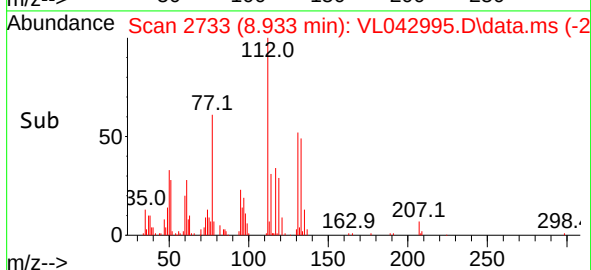
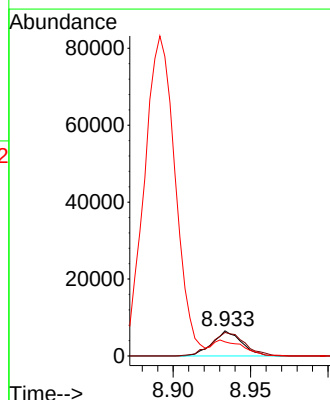
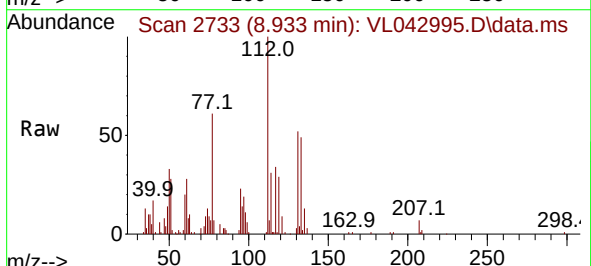
RT: 8.933 min Scan# 2733

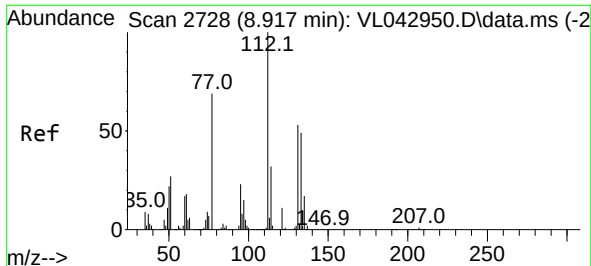
Delta R.T. 0.013 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Tgt Ion:	131	Resp:	8499
Ion Ratio	Lower	Upper	
131	100		
133	108.2	76.6	114.8
119	1438.9	49.9	74.9#





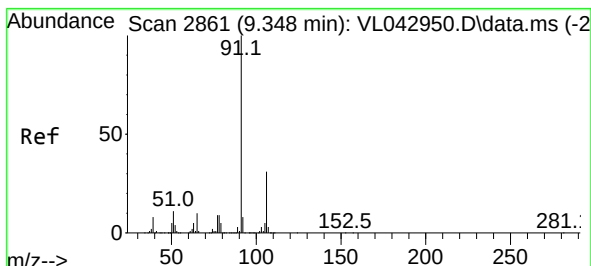
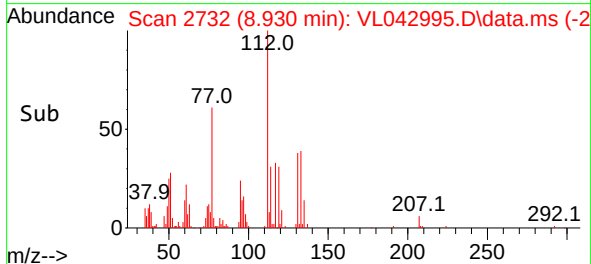
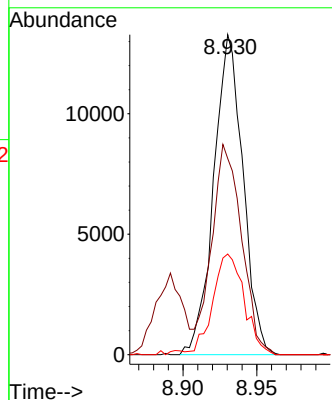
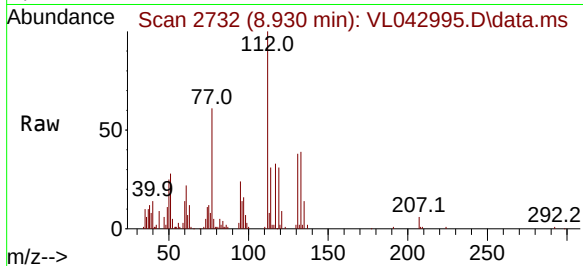
#57
Chlorobenzene
Concen: 0.556 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 112 Resp: 1828
Ion Ratio Lower Upper
112 100
77 61.3 55.7 83.5
114 33.6 28.6 35.0

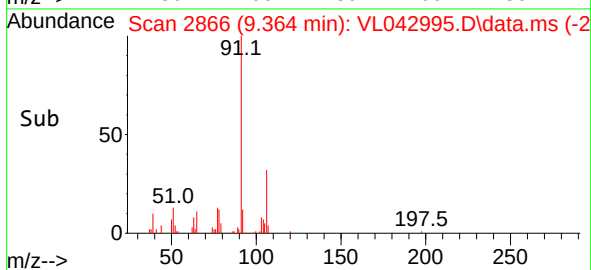
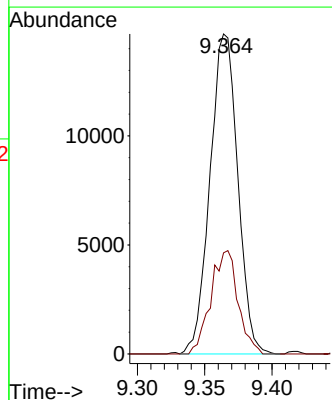
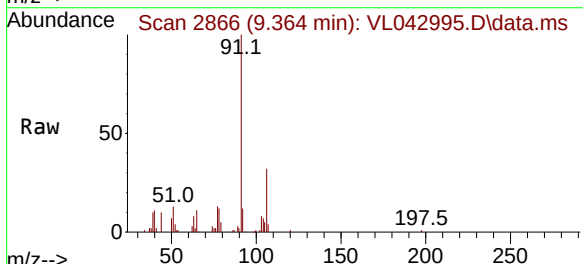
Manual Integrations
APPROVED

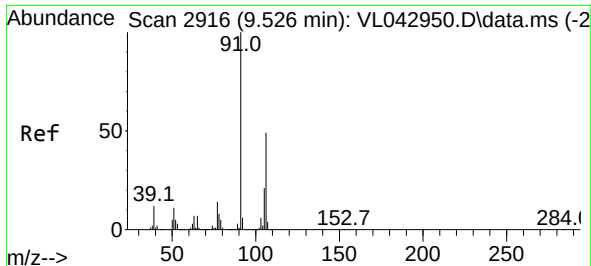
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#58
Ethyl Benzene
Concen: 0.356 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion: 91 Resp: 21061
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0





#59

m/p-Xylene

Concen: 0.723 ppbv

RT: 9.558 min Scan# 2916

Delta R.T. 0.032 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 91 Resp: 3373

Ion Ratio Lower Upper

91 100

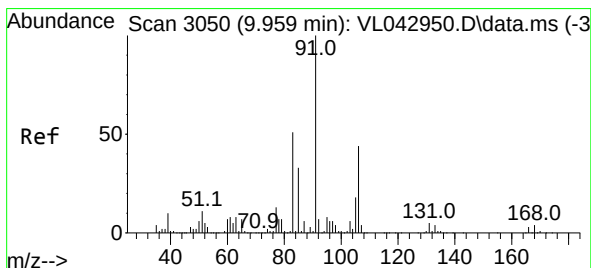
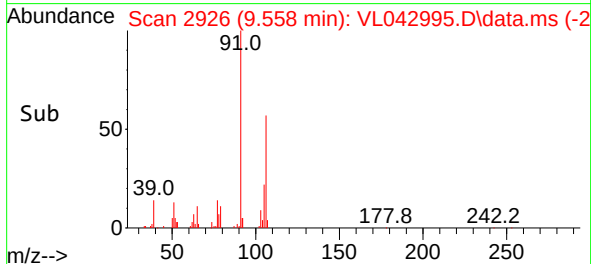
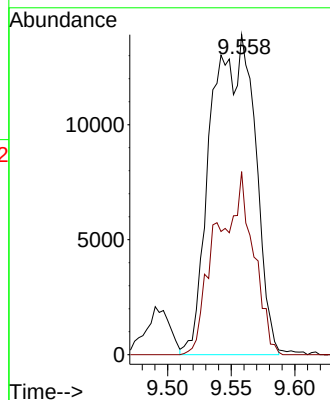
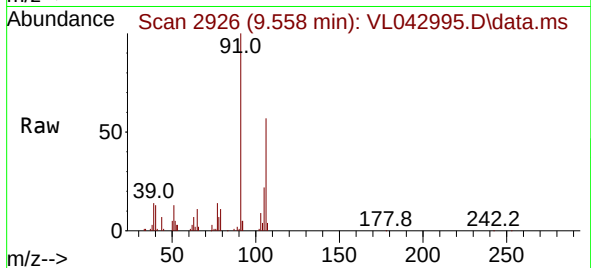
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#60

o-Xylene

Concen: 0.364 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.016 min

Lab File: VL042995.D

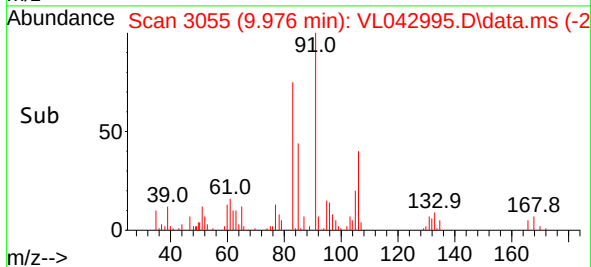
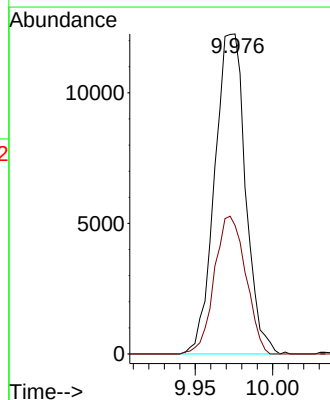
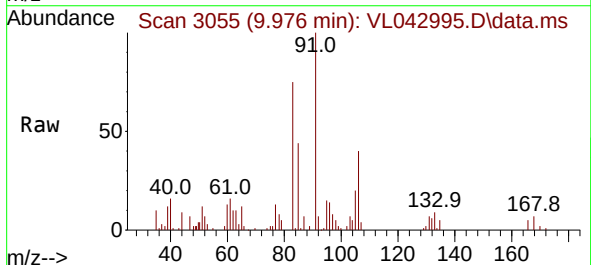
Acq: 23 Sep 2025 17:01

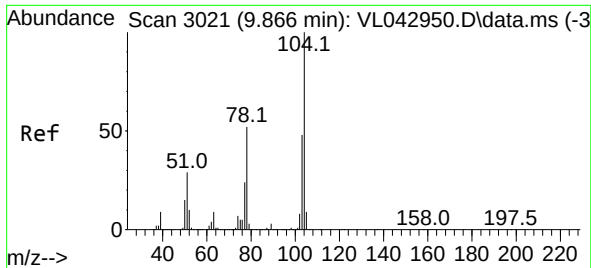
Tgt Ion: 91 Resp: 16986

Ion Ratio Lower Upper

91 100

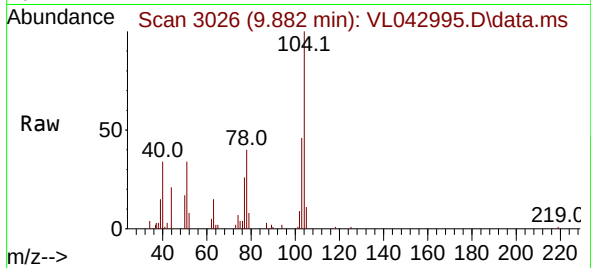
106 43.7 22.4 67.0





#61
Styrene
Concen: 0.302 ppbv
RT: 9.882 min Scan# 3021
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

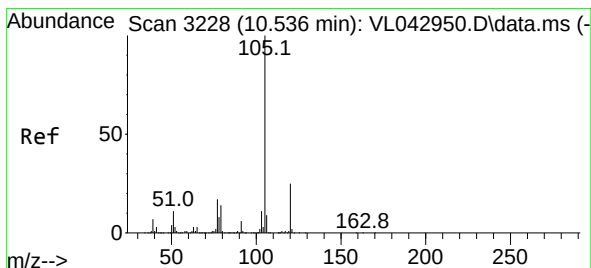
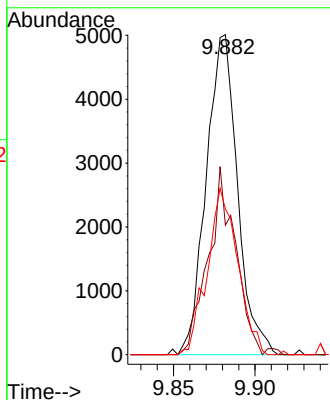
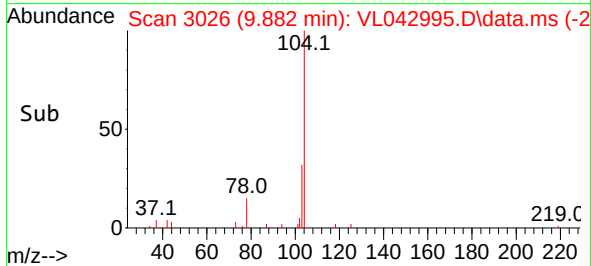
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion:104 Resp: 6670
Ion Ratio Lower Upper
104 100
78 52.2 39.9 59.9
103 51.2 36.9 55.3

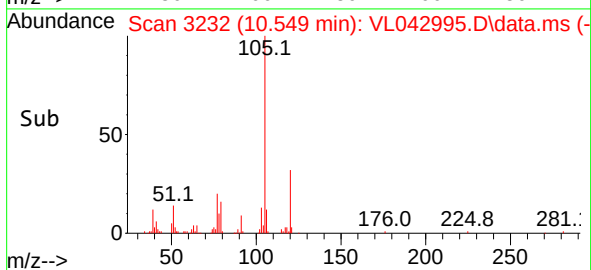
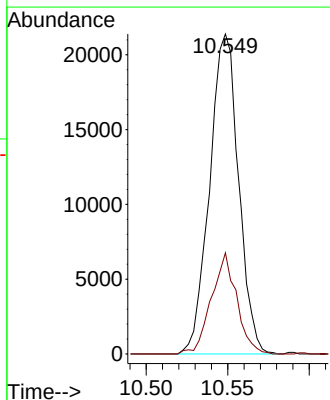
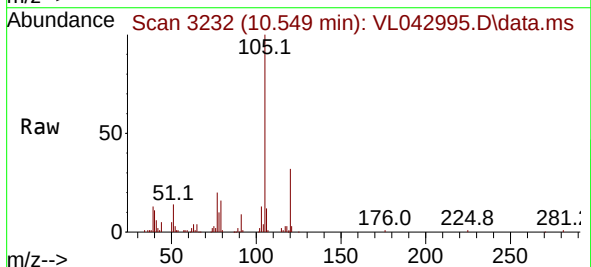
Manual Integrations
APPROVED

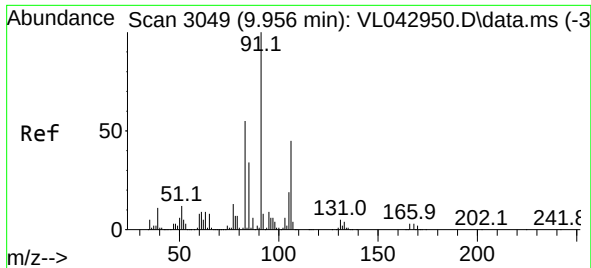
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#62
Isopropylbenzene
Concen: 0.380 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

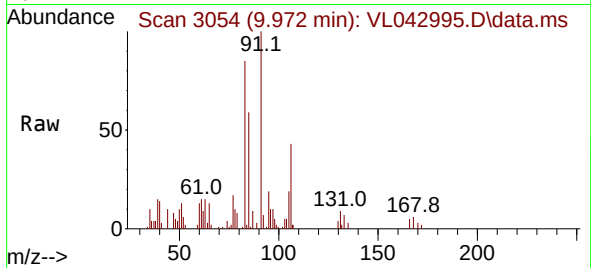
Tgt Ion:105 Resp: 26412
Ion Ratio Lower Upper
105 100
120 27.7 20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 9.972 min Scan# 3049
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

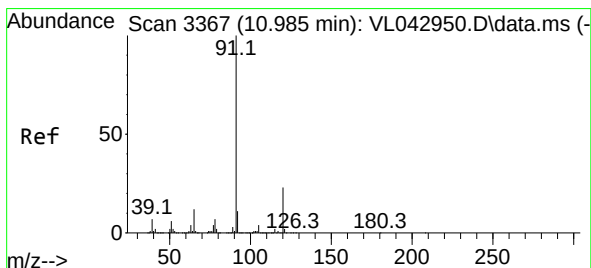
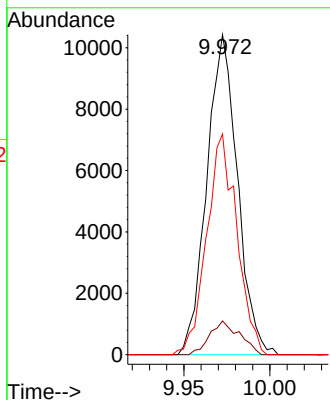
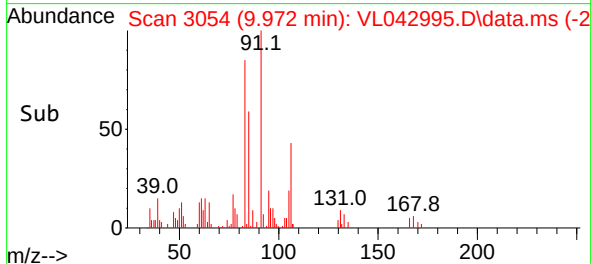
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 83 Resp: 1293
Ion Ratio Lower Upper
83 100
131 10.2 4.8 14.4
85 67.7 32.2 96.6

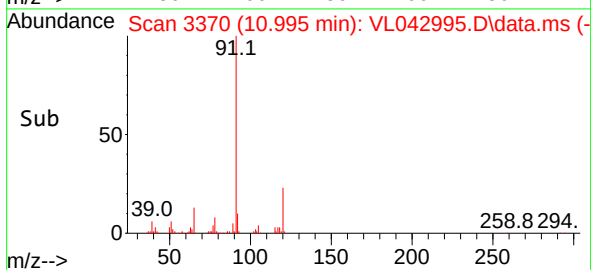
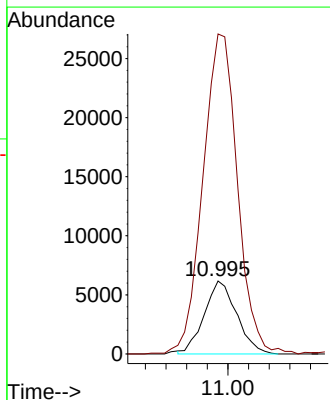
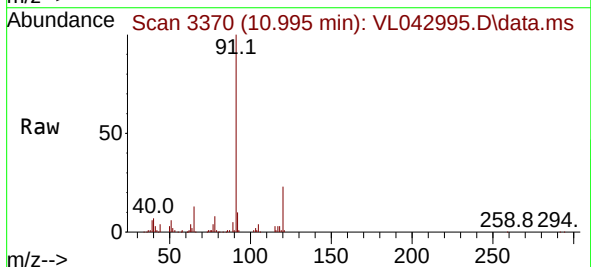
Manual Integrations
APPROVED

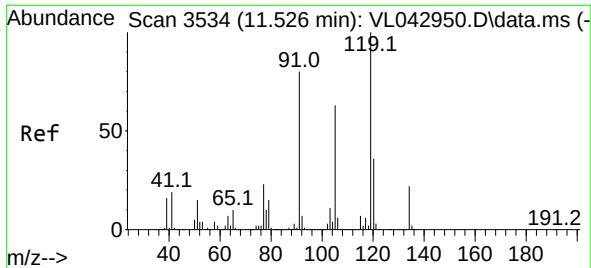
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#64
n-propylbenzene
Concen: 0.370 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

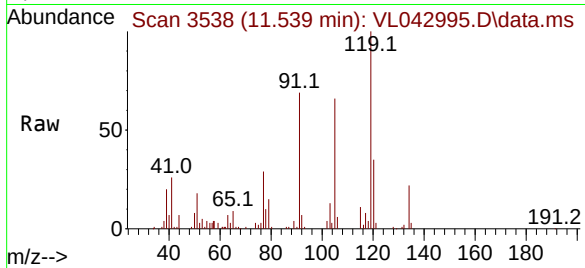
Tgt Ion:120 Resp: 6722
Ion Ratio Lower Upper
120 100
91 468.1 364.9 547.3





#65
tert-Butylbenzene
Concen: 0.364 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

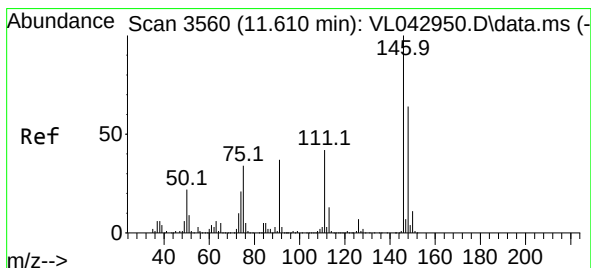
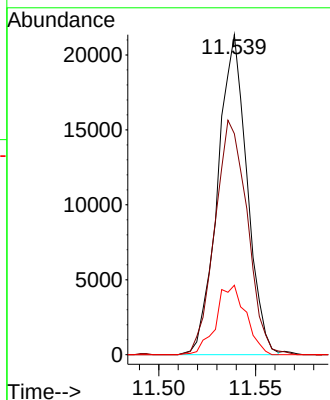
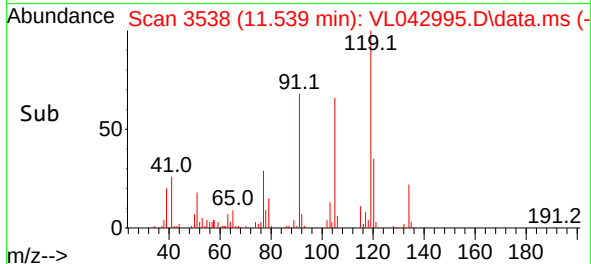
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 119 Resp: 2248
Ion Ratio Lower Upper
119 100
91 81.1 63.1 94.7
134 22.1 17.0 25.6

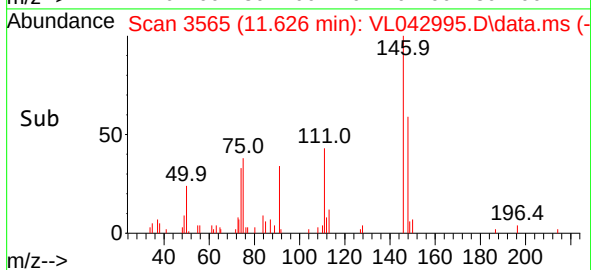
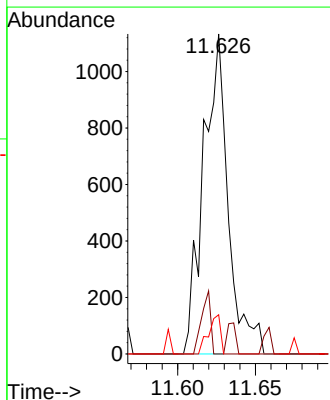
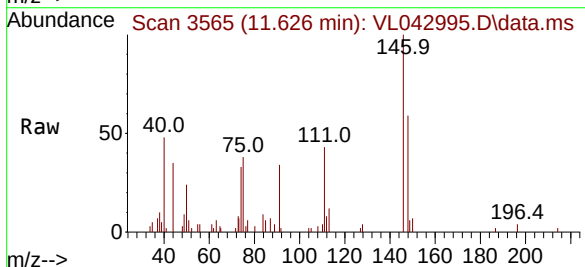
Manual Integrations
APPROVED

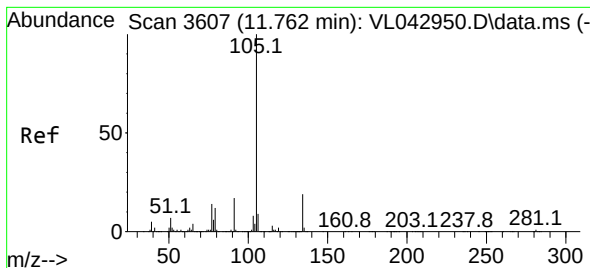
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#66
Benzyl Chloride
Concen: 0.194 ppbv m
RT: 11.626 min Scan# 3565
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

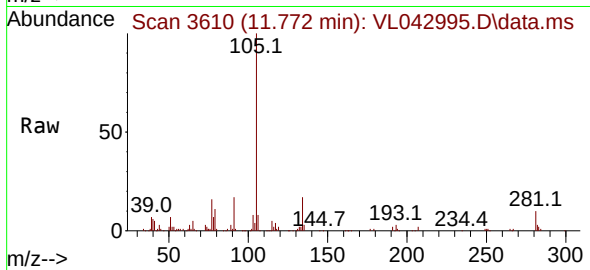
Tgt Ion: 91 Resp: 1258
Ion Ratio Lower Upper
91 100
126 0.0 14.6 21.8#
128 6.0 5.0 7.4





#67
 sec-Butylbenzene
 Concen: 0.386 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.010 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

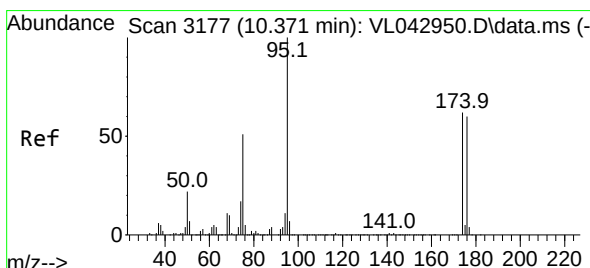
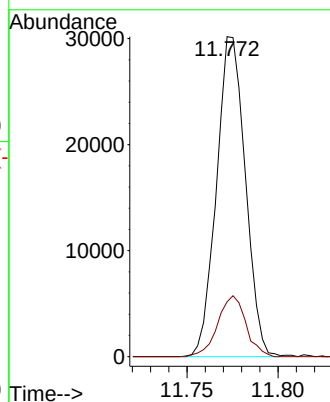
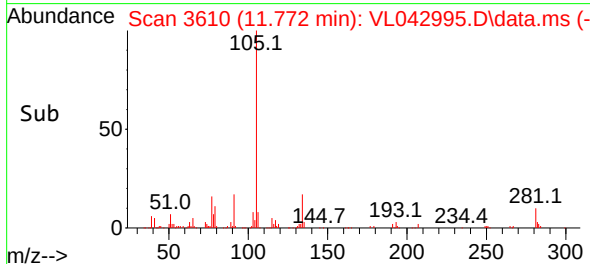
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion:105 Resp: 3323
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.7 23.5

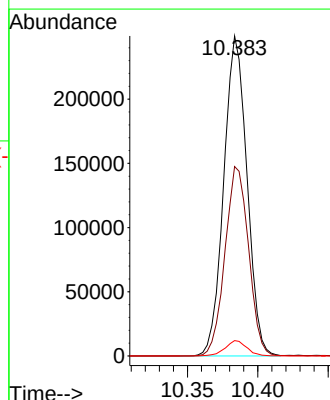
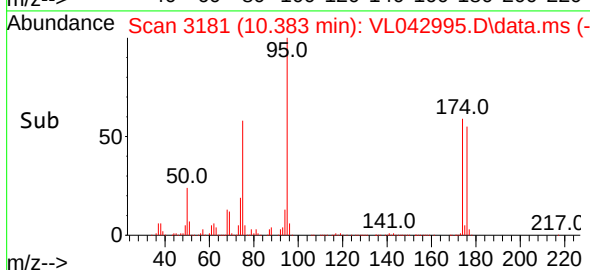
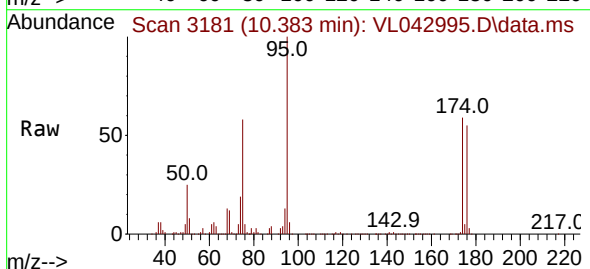
Manual Integrations
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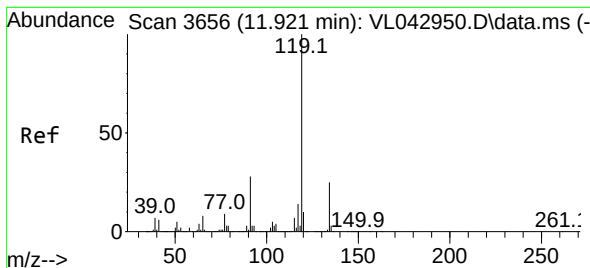
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.645 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.013 min
 Lab File: VL042995.D
 Acq: 23 Sep 2025 17:01

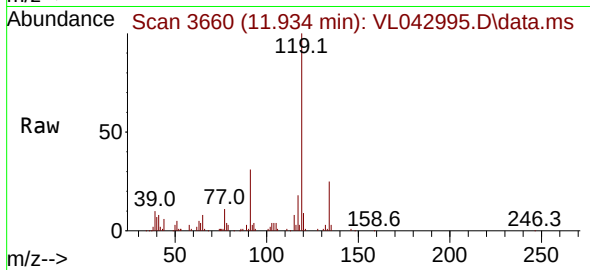
Tgt Ion: 95 Resp: 286449
 Ion Ratio Lower Upper
 95 100
 174 60.3 51.4 77.2
 175 4.5 4.0 6.0





#69
p-Isopropyltoluene
Concen: 0.339 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

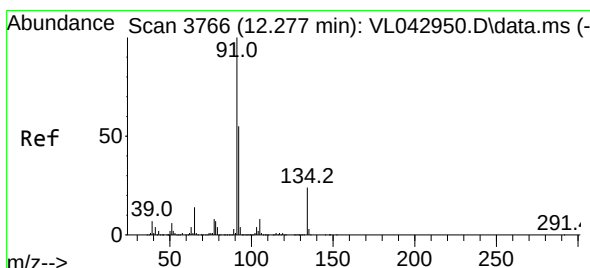
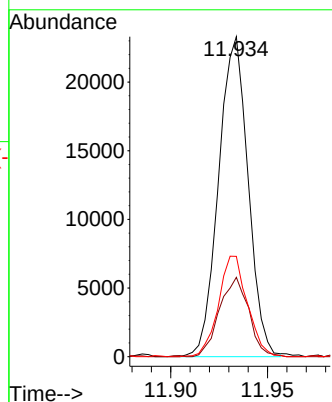
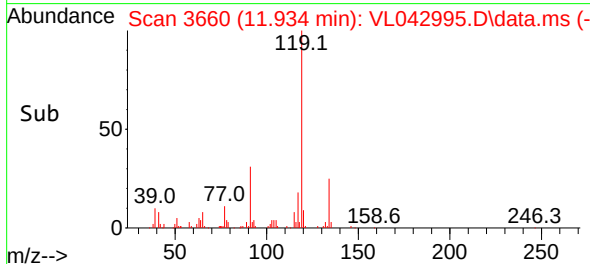
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



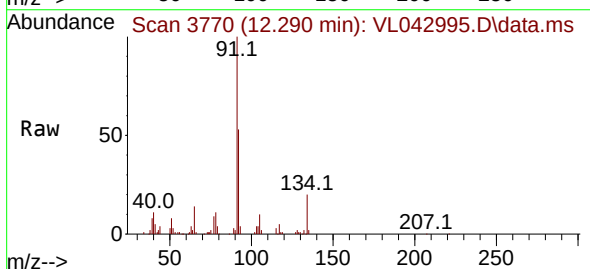
Tgt Ion: 119 Resp: 24688
Ion Ratio Lower Upper
119 100
134 24.7 21.0 31.4
91 30.9 22.3 33.5

Manual Integrations
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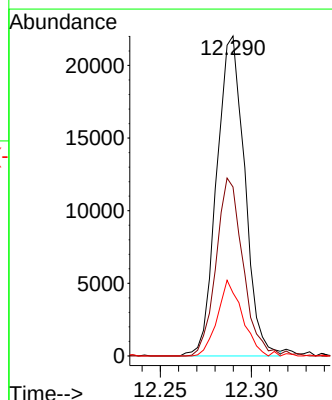
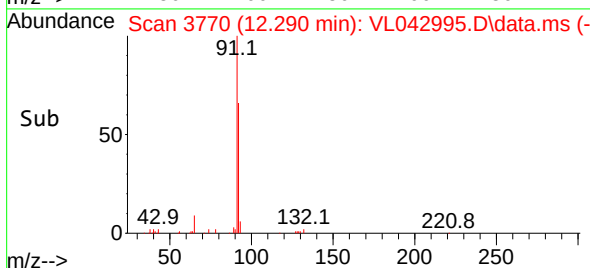
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

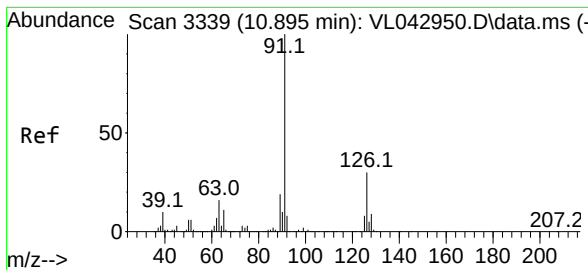


#70
n-Butylbenzene
Concen: 0.331 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01



Tgt Ion: 91 Resp: 23549
Ion Ratio Lower Upper
91 100
92 53.9 44.0 66.0
134 21.4 19.4 29.2





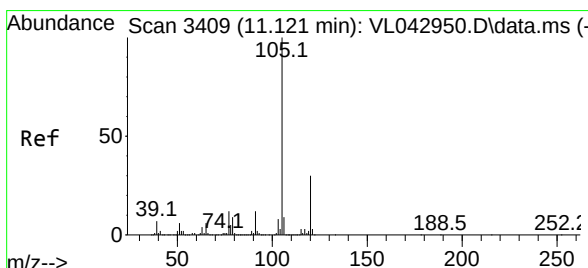
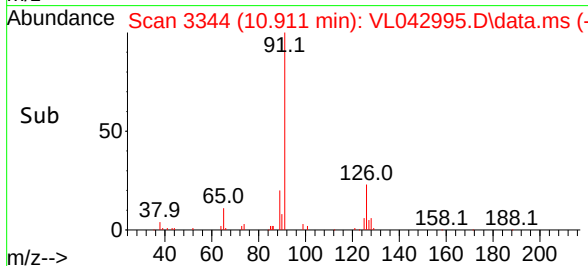
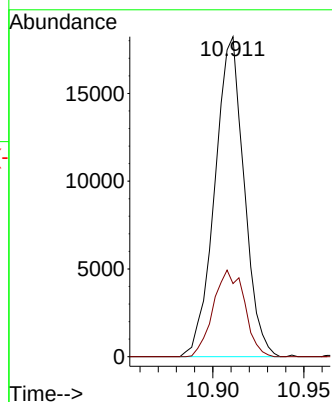
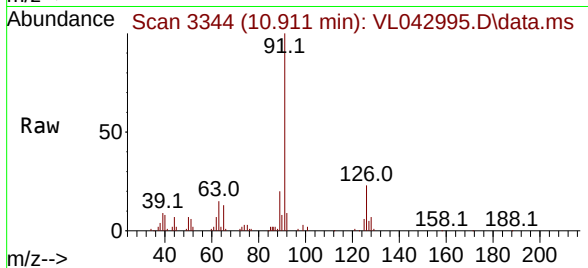
#71
2-Chlorotoluene
Concen: 0.388 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 91 Resp: 20375
Ion Ratio Lower Upper
91 100
126 28.8 12.3 49.3

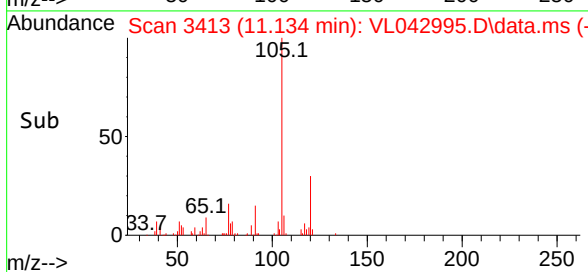
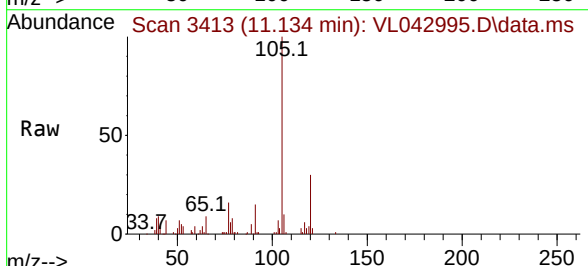
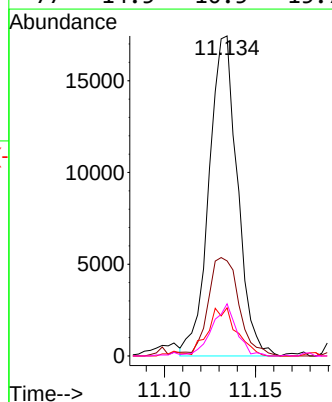
Manual Integrations
APPROVED

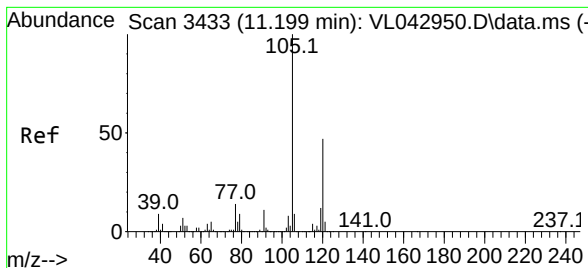
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#72
4-Ethyltoluene
Concen: 0.325 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

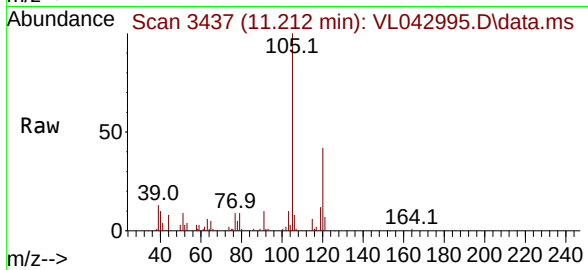
Tgt Ion:105 Resp: 18962
Ion Ratio Lower Upper
105 100
120 34.5 24.2 36.2
91 16.0 10.0 15.0#
77 14.5 10.5 15.7





#73
1,3,5-Trimethylbenzene
Concen: 0.353 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.013 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

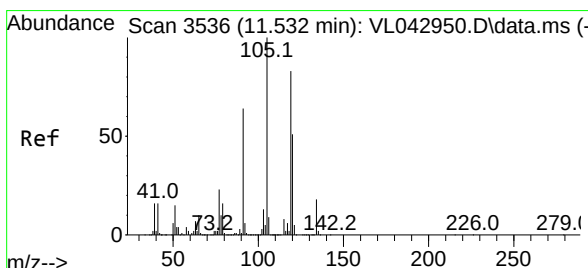
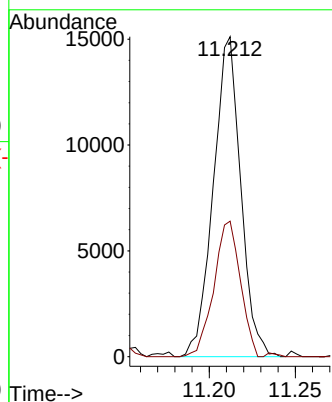
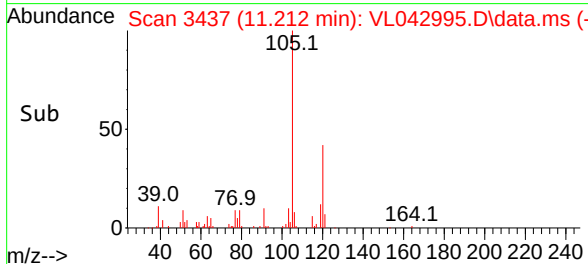
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



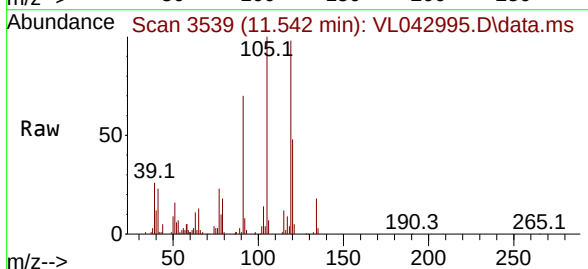
Tgt Ion:105 Resp: 1674
Ion Ratio Lower Upper
105 100
120 42.4 38.0 57.0

Manual Integrations
APPROVED

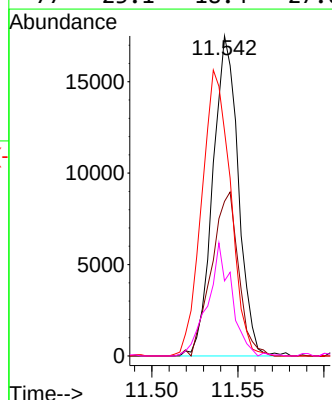
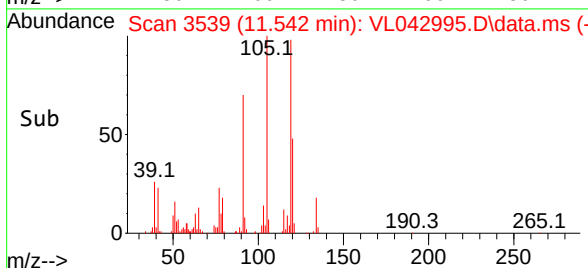
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

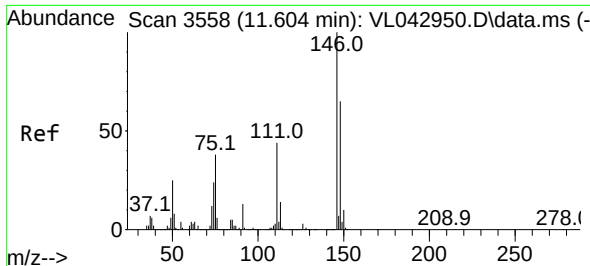


#74
1,2,4-Trimethylbenzene
Concen: 0.345 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01



Tgt Ion:105 Resp: 18062
Ion Ratio Lower Upper
105 100
120 48.3 40.9 61.3
91 70.3 51.2 76.8
77 23.1 18.4 27.6





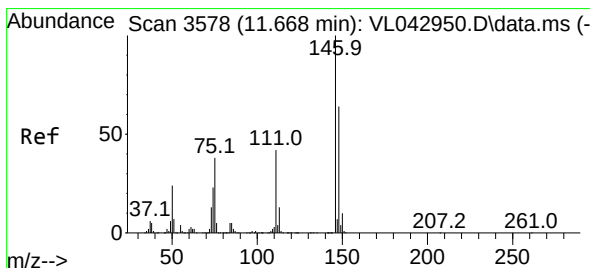
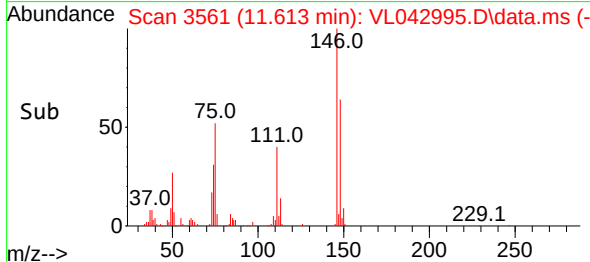
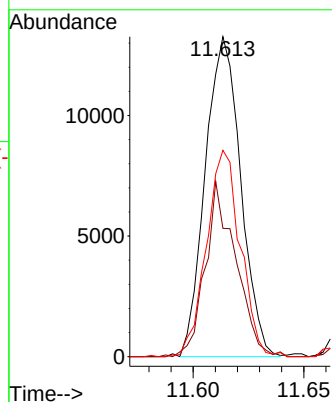
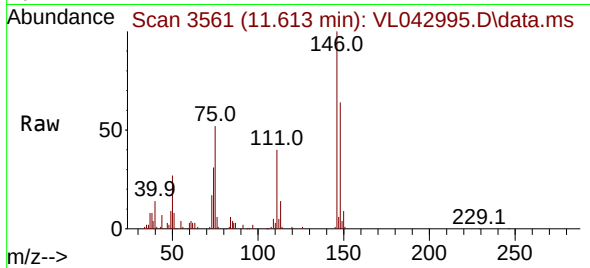
#75
1,3-Dichlorobenzene
Concen: 0.456 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Tgt Ion:146 Resp: 1478
Ion Ratio Lower Upper
146 100
111 47.1 22.3 66.9
148 61.6 31.9 95.5

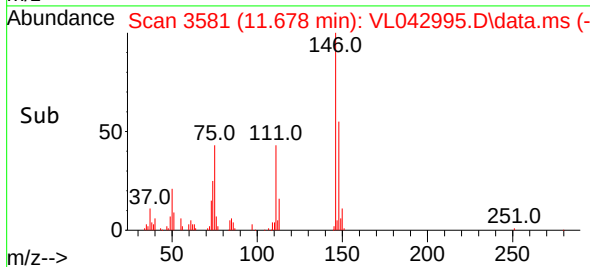
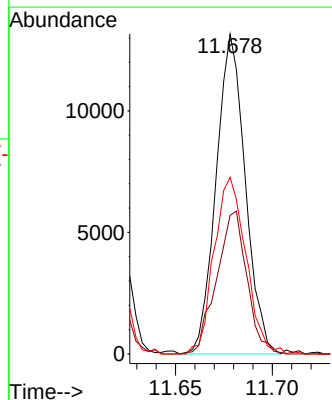
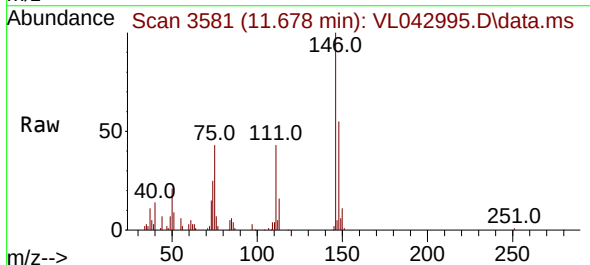
Manual Integrations
APPROVED

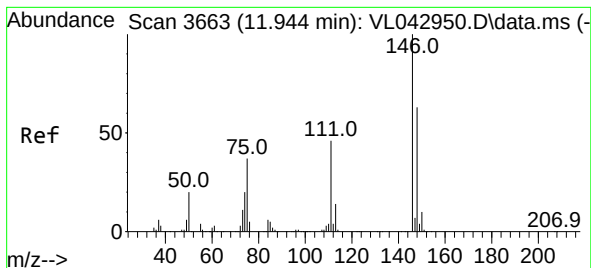
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#76
1,4-Dichlorobenzene
Concen: 0.427 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.010 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:146 Resp: 13774
Ion Ratio Lower Upper
146 100
111 46.3 21.5 64.5
148 60.3 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.459 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. 0.013 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

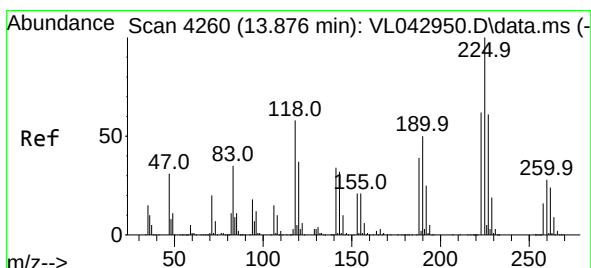
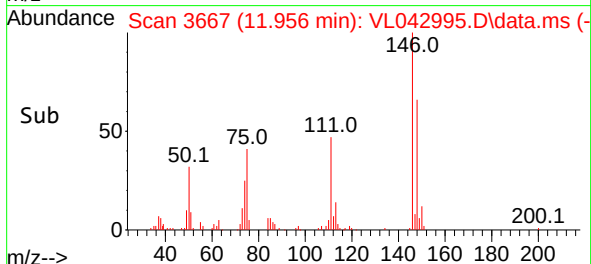
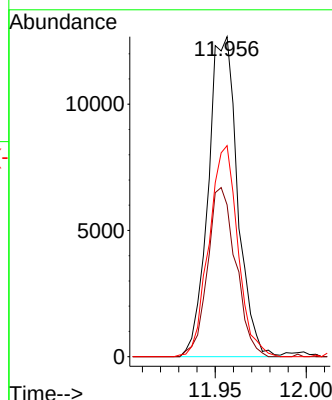
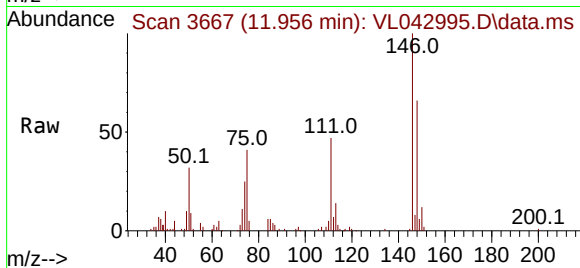
LOD-MDL-AIR-01-QT3-2025

Tgt Ion:	146	Resp:	14170
Ion Ratio	Lower	Upper	
146	100		
111	50.9	23.1	69.3
148	64.9	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.465 ppbv

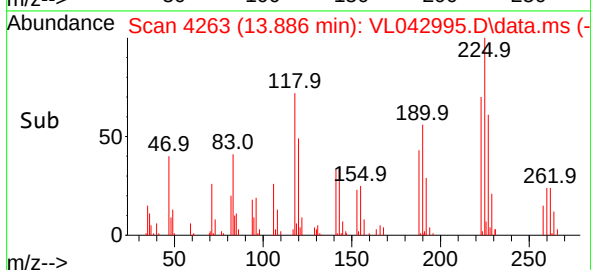
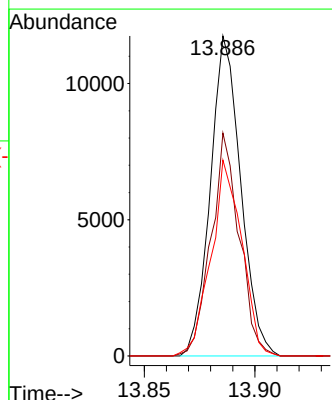
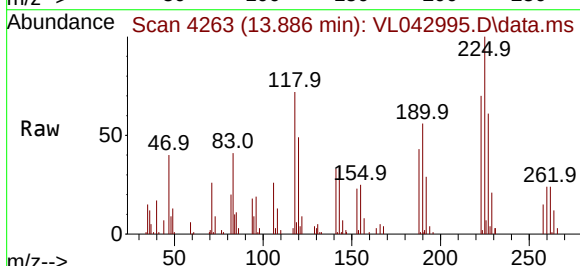
RT: 13.886 min Scan# 4263

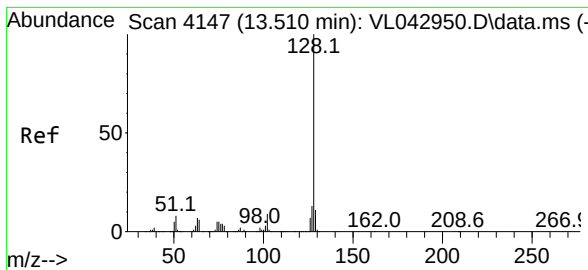
Delta R.T. 0.010 min

Lab File: VL042995.D

Acq: 23 Sep 2025 17:01

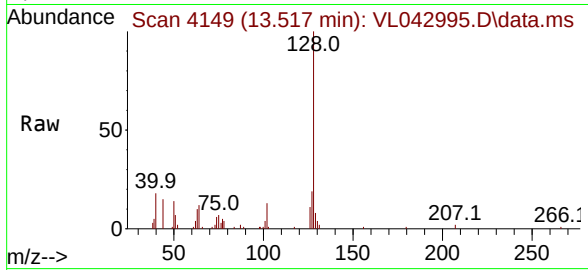
Tgt Ion:	225	Resp:	11234
Ion Ratio	Lower	Upper	
225	100		
223	64.9	50.1	75.1
227	61.9	50.4	75.6





#79
Naphthalene
Concen: 0.180 ppbv
RT: 13.517 min Scan# 4147
Delta R.T. 0.006 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

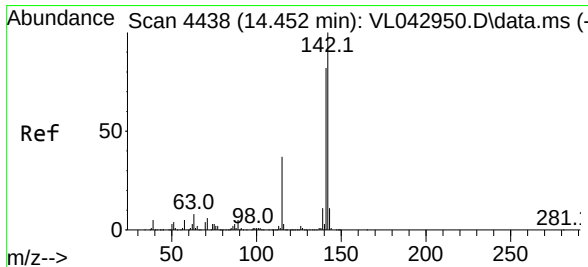
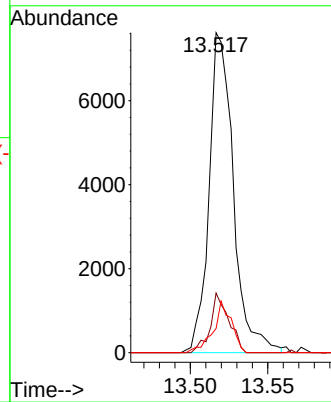
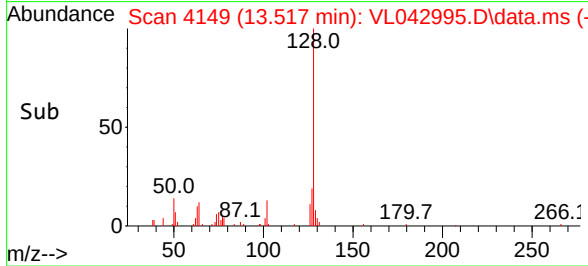
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion:128 Resp: 831
Ion Ratio Lower Upper
128 100
127 18.6 10.6 15.8
129 7.5 9.0 13.6

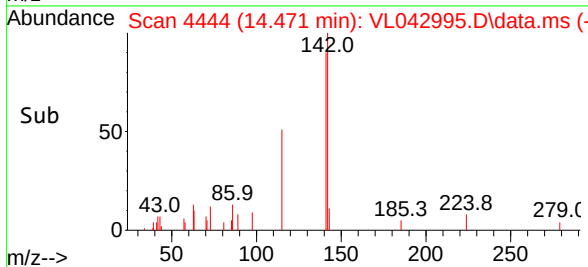
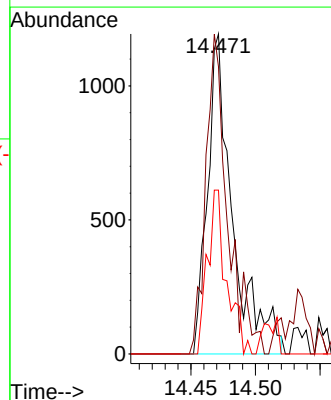
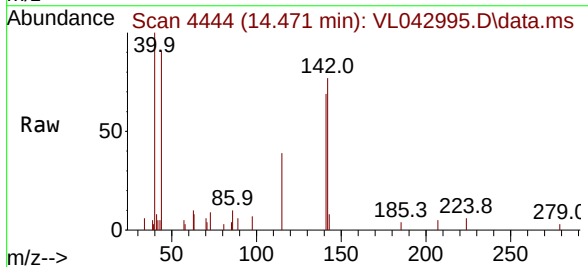
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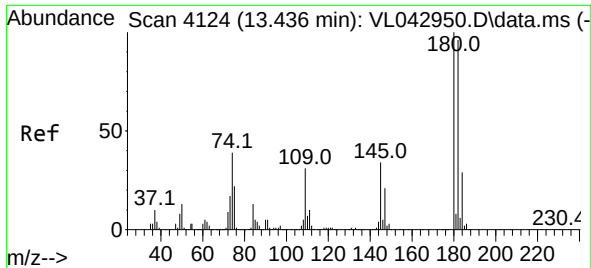
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#80
Naphthalene,2-methyl-
Concen: 0.114 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.019 min
Lab File: VL042995.D
Acq: 23 Sep 2025 17:01

Tgt Ion:142 Resp: 1623
Ion Ratio Lower Upper
142 100
141 86.2 65.1 97.7
115 38.6 28.9 43.3





#81

1,2,4-Trichlorobenzene

Concen: 0.213 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042995.D

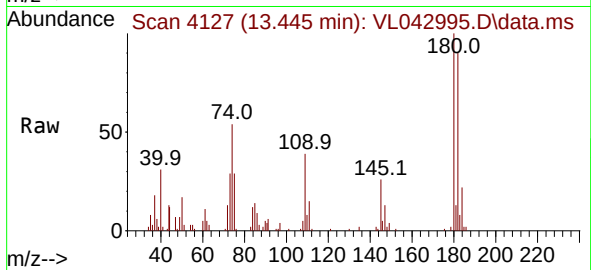
Acq: 23 Sep 2025 17:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025



Tgt Ion:	180	Resp:	5270
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.7	113.5
184	27.0	23.9	35.9

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