

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042996.D
 Acq On : 23 Sep 2025 17:36
 Operator : SY/MD
 Sample : Q2893-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 24 02:26:52 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	2.790	49	154370	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	411178	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	360730	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	289702	10.759	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9075	0.437	ppbv	97
3) Chlorodifluoromethane	1.476	51	11327	0.438	ppbv	96
4) Chloromethane	1.534	50	3971	0.423	ppbv	90
5) Vinyl Chloride	1.580	62	3470	0.408	ppbv	98
6) Bromomethane	1.670	94	1162	0.388	ppbv #	75
7) Chloroethane	1.706	64	1404	0.426	ppbv #	64
8) Dichlorotetrafluoroethane	1.557	85	7422	0.419	ppbv	96
9) Propene	1.486	41	4201	0.373	ppbv	97
10) Heptane	4.988	43	8465m	0.282	ppbv	
11) Trichlorofluoromethane	1.881	101	9304	0.465	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	6789	0.419	ppbv	99
13) Ethanol	1.725	45	797	0.730	ppbv #	35
14) Bromoethene	1.784	108	2674	0.436	ppbv #	86
15) Acetone	1.839	43	10718	0.533	ppbv	100
16) 1,3-Butadiene	1.612	39	4025	0.424	ppbv	90
17) tert-Butyl alcohol	2.046	59	7902	0.358	ppbv #	89
18) 1,1-Dichloroethene	2.036	96	2913m	0.388	ppbv	
19) Isopropyl Alcohol	1.890	45	5001	0.414	ppbv #	43
20) Methylene Chloride	2.062	84	4704	0.559	ppbv	95
21) Allyl Chloride	2.097	41	5509	0.393	ppbv #	79
22) trans-1,2-Dichloroethene	2.343	96	3462	0.406	ppbv	94
23) Vinyl Acetate	2.463	43	9636	0.335	ppbv #	85
24) 1,1-Dichloroethane	2.415	63	6910	0.413	ppbv	99
25) Ethyl Acetate	2.845	43	17340	0.341	ppbv	98
26) Hexane	2.829	57	7462	0.322	ppbv #	88
27) Carbon Disulfide	2.152	76	7211	0.347	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	4916	0.408	ppbv	93
29) Chloroform	2.852	83	14236	0.470	ppbv	91
30) Cyclohexane	3.855	84	5245	0.271	ppbv #	84
31) cis-1,2-Dichloroethene	2.725	61	8108	0.374	ppbv	94
32) 1,1,1-Trichloroethane	3.369	97	11300	0.345	ppbv	95
34) 2-Butanone	2.567	43	12622	0.438	ppbv	99
35) Carbon Tetrachloride	3.764	117	12167	0.455	ppbv	91
36) Benzene	3.661	78	16193	0.419	ppbv #	94
37) 1,2-Dichloroethane	3.224	62	10732	0.528	ppbv	99
38) Trichloroethene	4.554	130	7572	0.395	ppbv	87
39) 1,2-Dichloropropane	4.318	63	6446m	0.457	ppbv	
40) 1,4-Dioxane	4.603	88	2270m	0.346	ppbv	
41) Tetrahydrofuran	3.068	42	5842m	0.353	ppbv	
42) Bromodichloromethane	4.496	83	12792	0.452	ppbv	94
43) Methyl Methacrylate	4.894	69	4715m	0.298	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	24557	0.368	ppbv #	92
45) t-1,3-Dichloropropene	6.422	75	5373m	0.319	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042996.D
 Acq On : 23 Sep 2025 17:36
 Operator : SY/MD
 Sample : Q2893-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Sep 24 02:26:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M

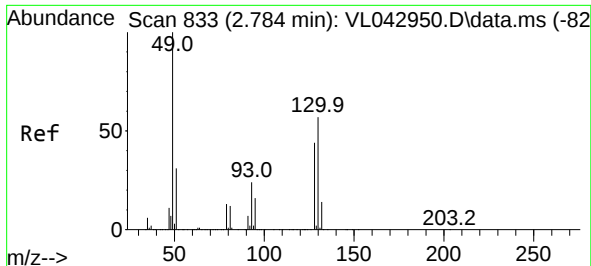
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Sep 24 02:23:20 2025

Response via : Initial Calibration

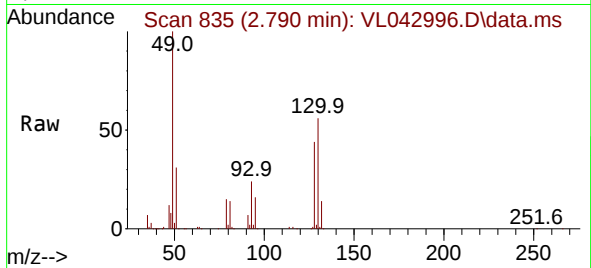
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	7015m	0.327	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	6543m	0.439	ppbv	
48) Dibromochloromethane	7.393	129	9529	0.400	ppbv	98
49) Bromoform	9.483	173	6887m	0.332	ppbv	
50) 4-Methyl-2-Pentanone	5.778	43	13422m	0.348	ppbv	
51) 2-Hexanone	7.451	43	9105m	0.296	ppbv	
52) Tetrachloroethene	8.228	164	5951	0.398	ppbv #	84
53) Toluene	6.946	91	13883m	0.304	ppbv	
54) 1,2-Dibromoethane	7.658	107	8030	0.383	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.933	131	8058	0.467	ppbv #	1
57) Chlorobenzene	8.927	112	15483	0.470	ppbv #	93
58) Ethyl Benzene	9.360	91	18907	0.319	ppbv	98
59) m/p-Xylene	9.555	91	29546m	0.633	ppbv	
60) o-Xylene	9.966	91	14150	0.303	ppbv	98
61) Styrene	9.878	104	6013	0.272	ppbv	96
62) Isopropylbenzene	10.545	105	23881	0.343	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	11763	0.479	ppbv	97
64) n-propylbenzene	10.995	120	5893	0.324	ppbv	97
65) tert-Butylbenzene	11.536	119	18555	0.300	ppbv	91
66) Benzyl Chloride	11.616	91	1253	0.193	ppbv #	95
67) sec-Butylbenzene	11.772	105	29078	0.337	ppbv	98
69) p-Isopropyltoluene	11.927	119	20936	0.287	ppbv	98
70) n-Butylbenzene	12.286	91	19505	0.274	ppbv	98
71) 2-Chlorotoluene	10.904	91	16990	0.323	ppbv	98
72) 4-Ethyltoluene	11.131	105	16998	0.291	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.209	105	14277	0.301	ppbv	88
74) 1,2,4-Trimethylbenzene	11.539	105	16227	0.310	ppbv	88
75) 1,3-Dichlorobenzene	11.610	146	12264	0.378	ppbv	92
76) 1,4-Dichlorobenzene	11.678	146	11712	0.363	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	12962	0.420	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	10168	0.421	ppbv	97
79) Naphthalene	13.513	128	7659	0.165	ppbv #	93
80) Naphthalene,2-methyl-	14.465	142	1530	0.107	ppbv	92
81) 1,2,4-Trichlorobenzene	13.442	180	4614	0.186	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 833
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

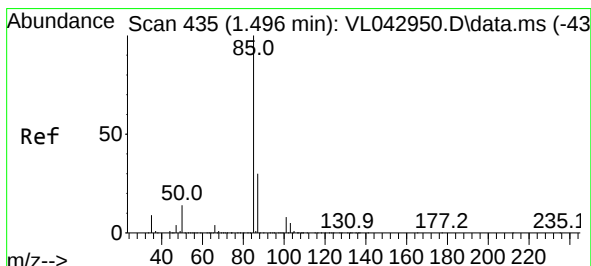
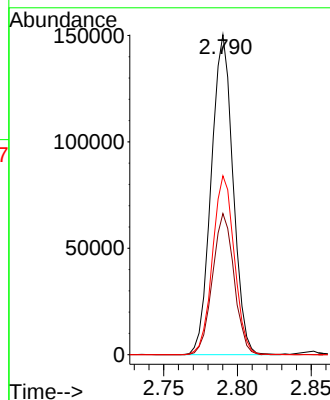
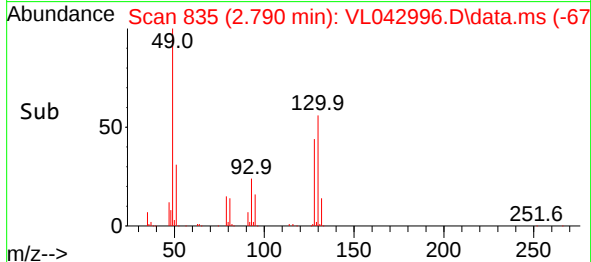
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 49 Resp: 154370
Ion Ratio Lower Upper
49 100
128 43.6 22.9 68.8
130 55.9 29.1 87.3

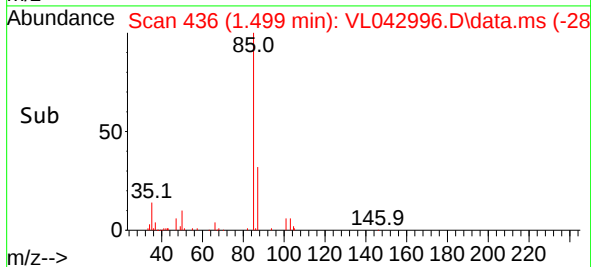
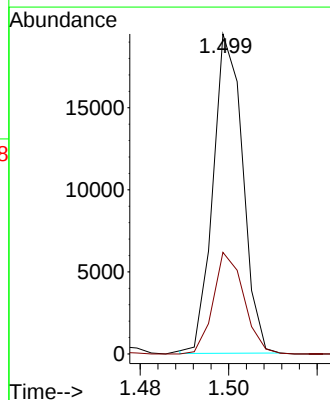
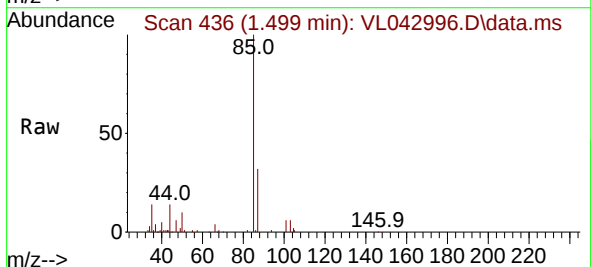
Manual Integrations
APPROVED

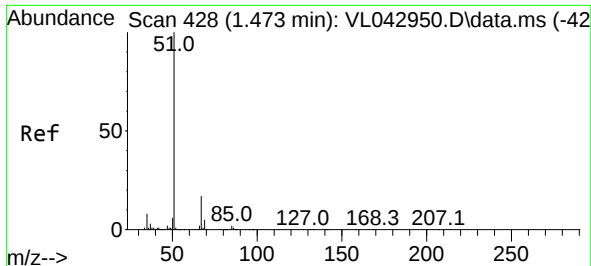
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#2
Dichlorodifluoromethane
Concen: 0.437 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

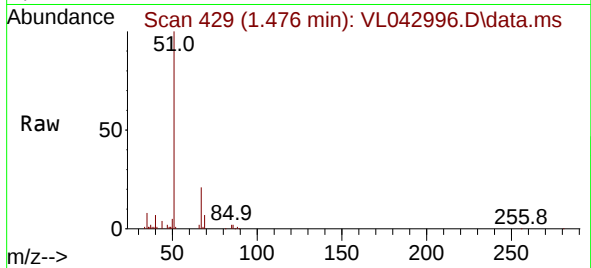
Tgt Ion: 85 Resp: 9075
Ion Ratio Lower Upper
85 100
87 31.8 24.3 36.5





#3
Chlorodifluoromethane
Concen: 0.438 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

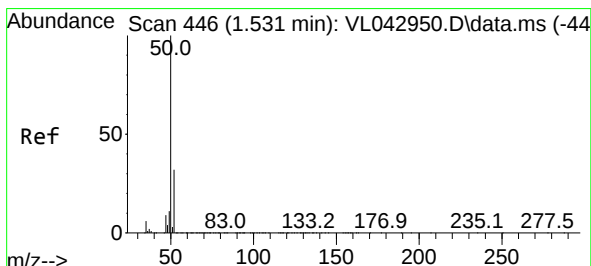
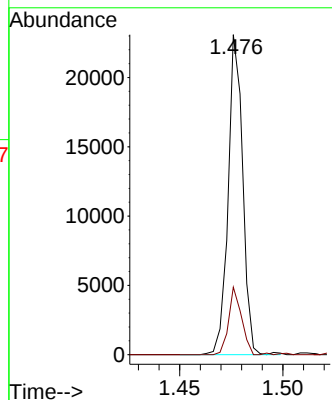
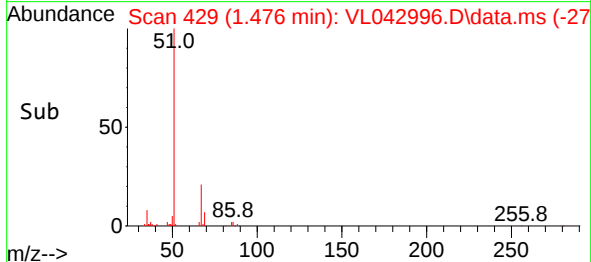
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



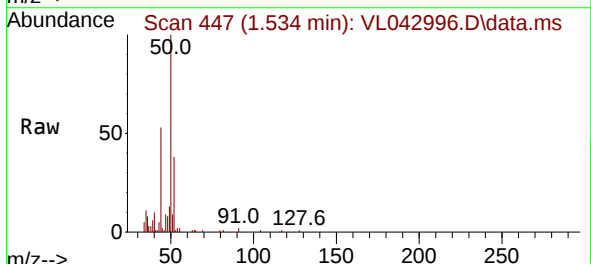
Tgt Ion: 51 Resp: 1132
Ion Ratio Lower Upper
51 100
67 19.1 13.8 20.8

Manual Integrations
APPROVED

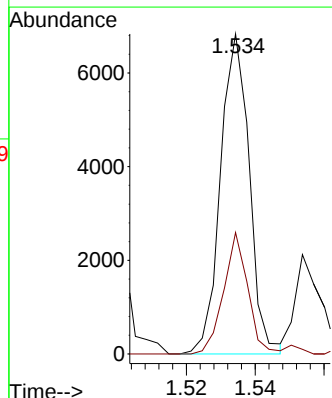
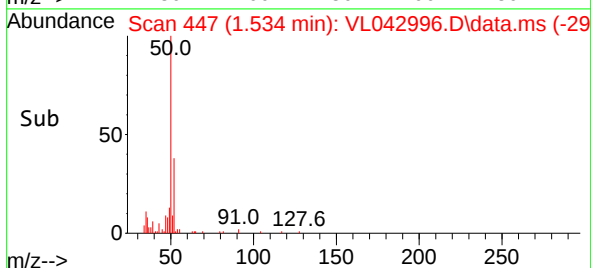
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

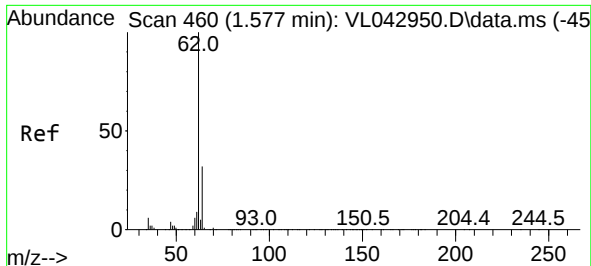


#4
Chloromethane
Concen: 0.423 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



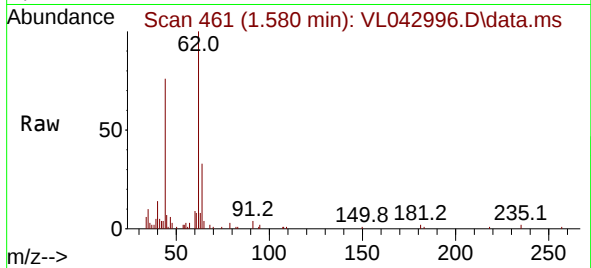
Tgt Ion: 50 Resp: 3971
Ion Ratio Lower Upper
50 100
52 38.0 25.9 38.9





#5
 Vinyl Chloride
 Concen: 0.408 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

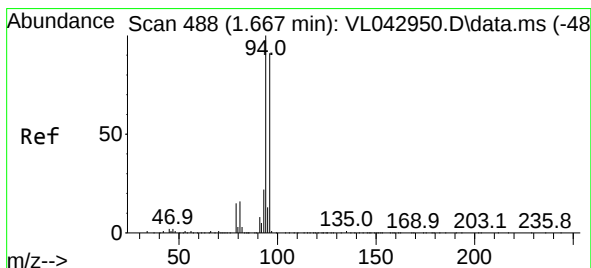
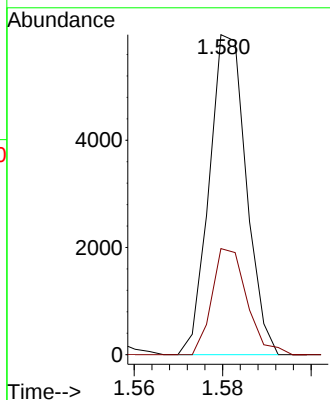
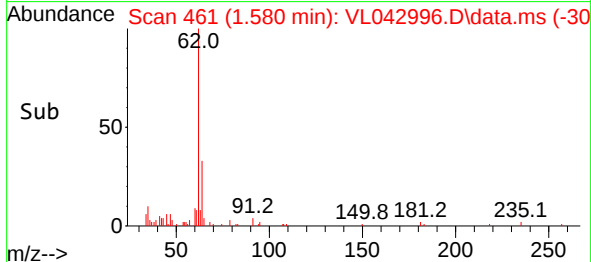
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 62 Resp: 3470
 Ion Ratio Lower Upper
 62 100
 64 33.1 25.4 38.2

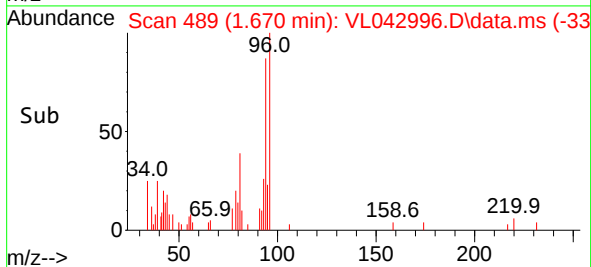
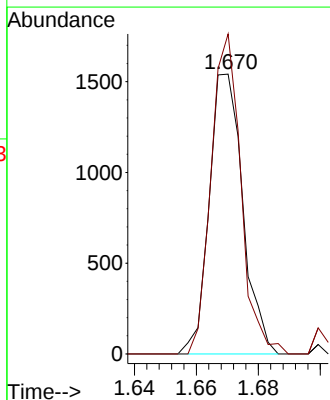
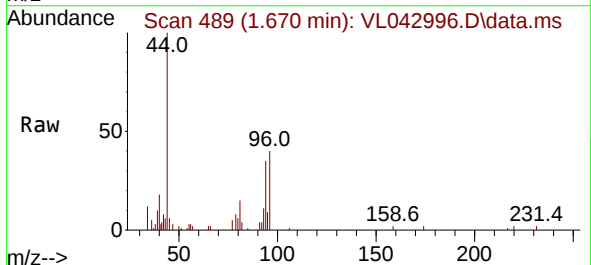
Manual Integrations
 APPROVED

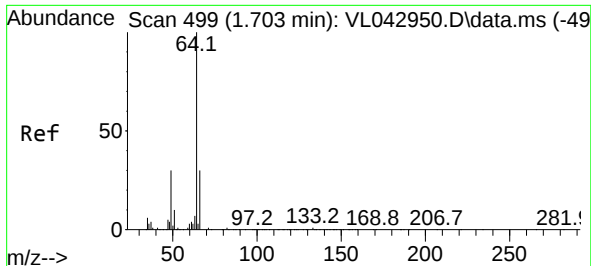
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#6
 Bromomethane
 Concen: 0.388 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

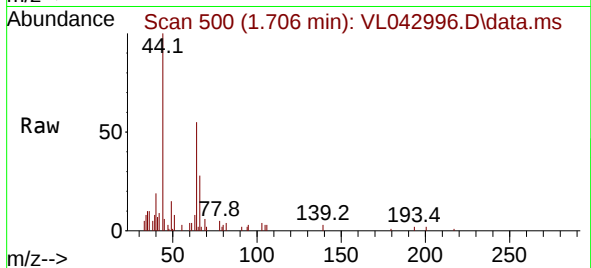
Tgt Ion: 94 Resp: 1162
 Ion Ratio Lower Upper
 94 100
 96 114.3 72.6 108.8#





#7
Chloroethane
Concen: 0.426 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

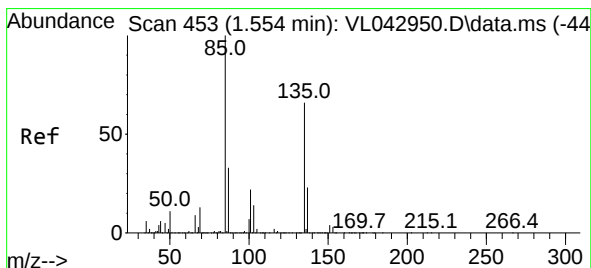
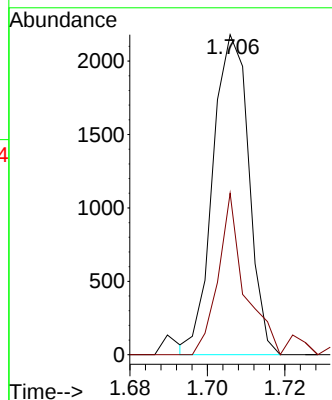
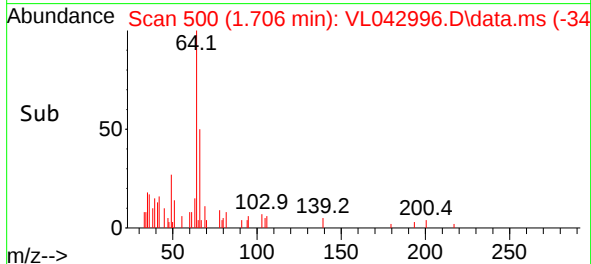
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



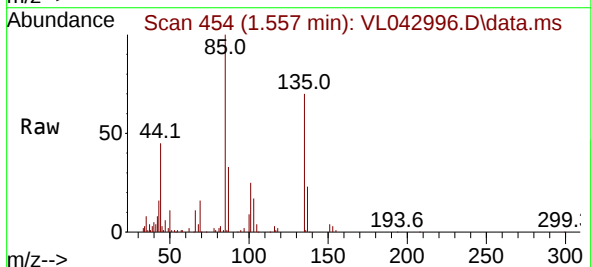
Tgt Ion: 64 Resp: 1404
Ion Ratio Lower Upper
64 100
66 50.5 24.6 36.8

Manual Integrations
APPROVED

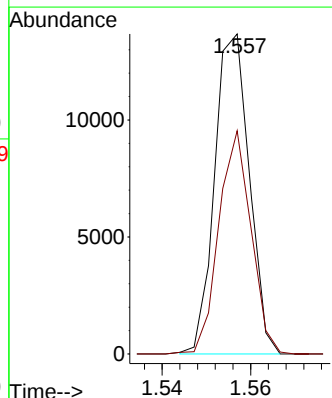
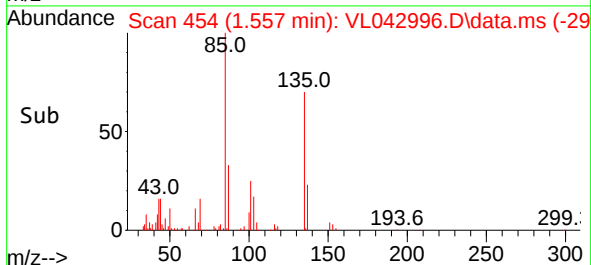
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

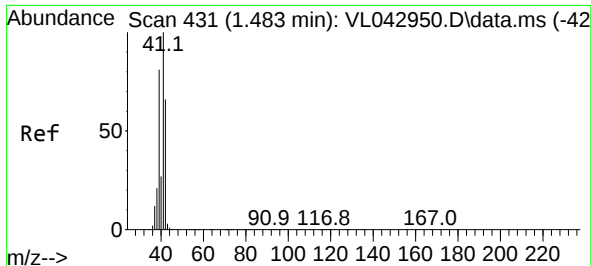


#8
Dichlorotetrafluoroethane
Concen: 0.419 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



Tgt Ion: 85 Resp: 7422
Ion Ratio Lower Upper
85 100
135 65.0 49.7 74.5





#9

Propene

Concen: 0.373 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 41 Resp: 420

Ion Ratio Lower Upper

41 100

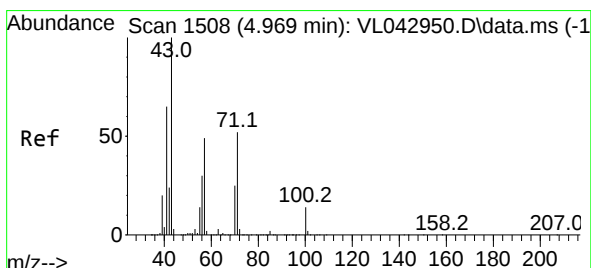
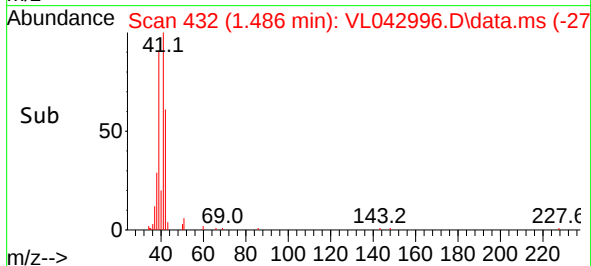
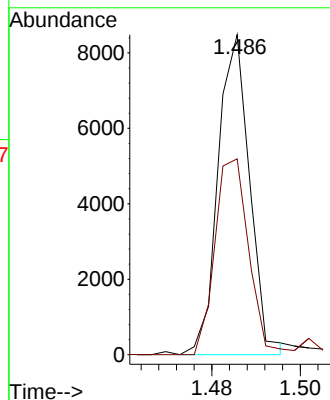
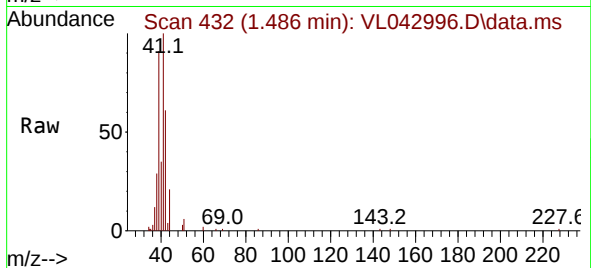
42 69.2 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#10

Heptane

Concen: 0.282 ppbv m

RT: 4.988 min Scan# 1514

Delta R.T. 0.019 min

Lab File: VL042996.D

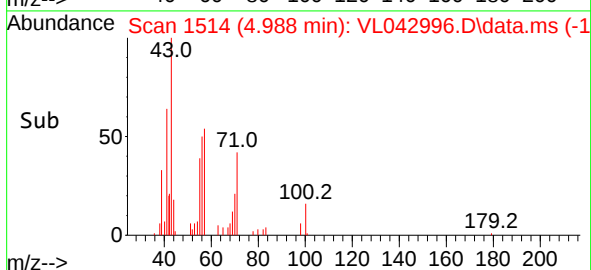
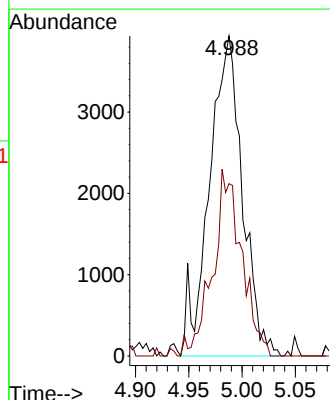
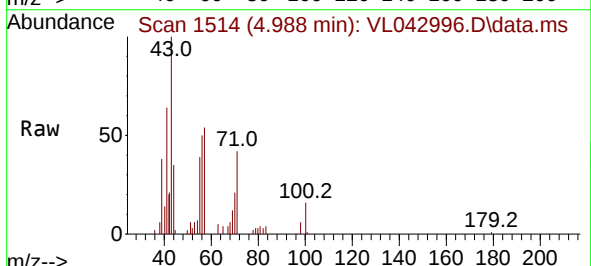
Acq: 23 Sep 2025 17:36

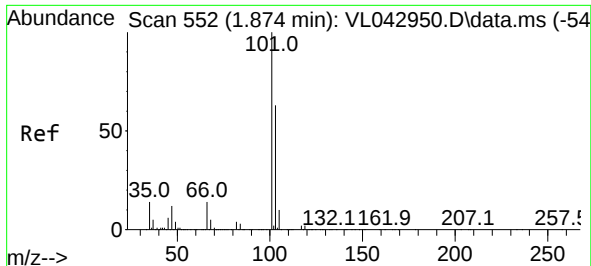
Tgt Ion: 43 Resp: 8465

Ion Ratio Lower Upper

43 100

57 51.3 38.6 57.8





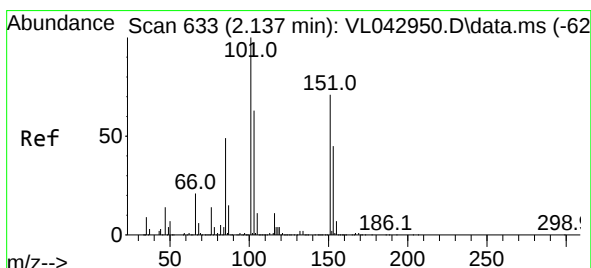
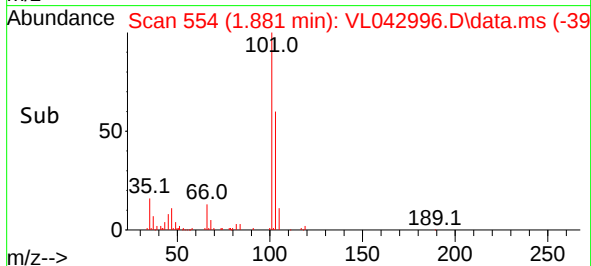
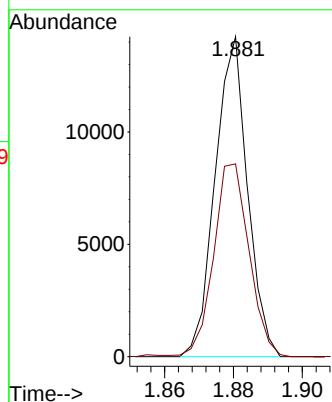
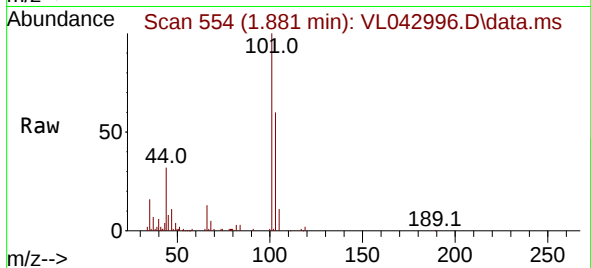
#11
Trichlorofluoromethane
Concen: 0.465 ppbv
RT: 1.881 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

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

Tgt Ion:101 Resp: 9304
Ion Ratio Lower Upper
101 100
103 59.8 50.1 75.1

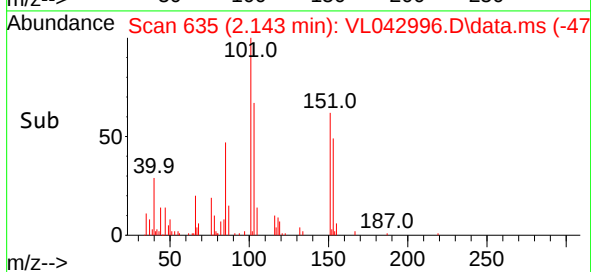
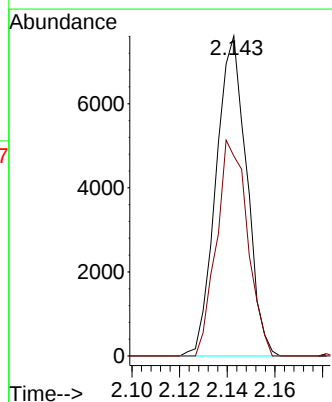
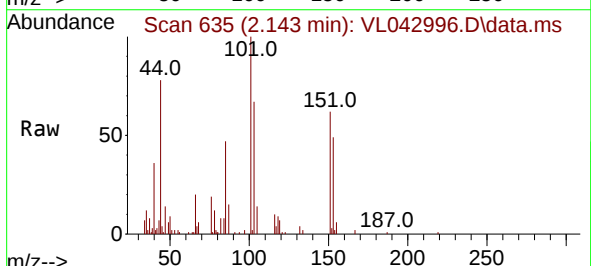
Manual Integrations
APPROVED

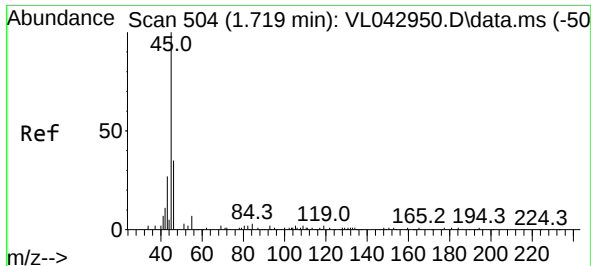
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.419 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

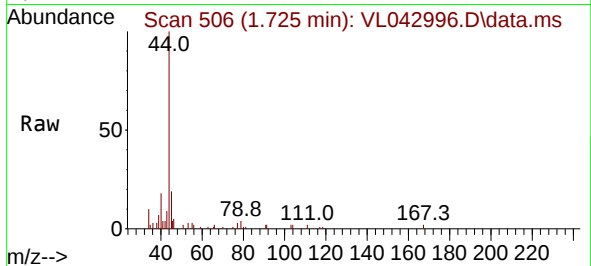
Tgt Ion:101 Resp: 6789
Ion Ratio Lower Upper
101 100
151 68.4 55.7 83.5





#13
Ethanol
Concen: 0.730 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

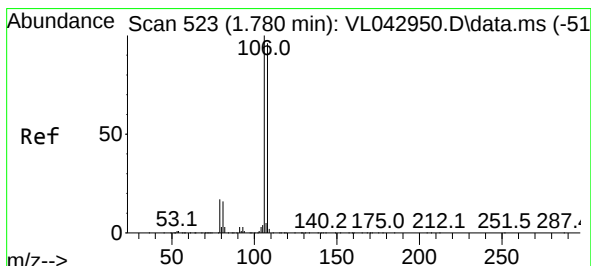
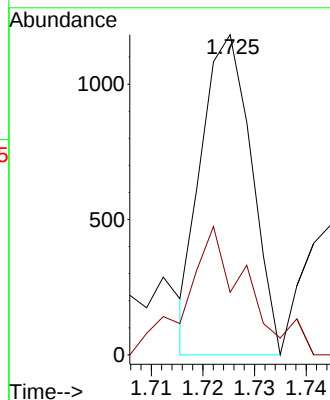
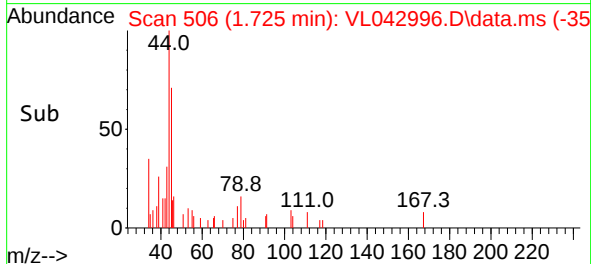
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



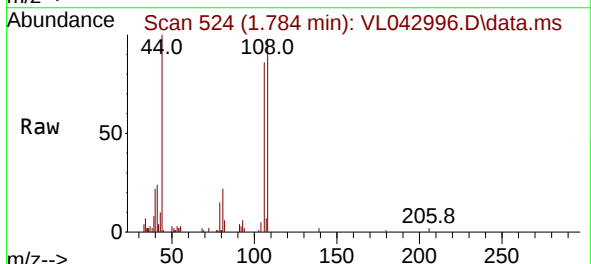
Tgt Ion: 45 Resp: 79
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6

Manual Integrations
APPROVED

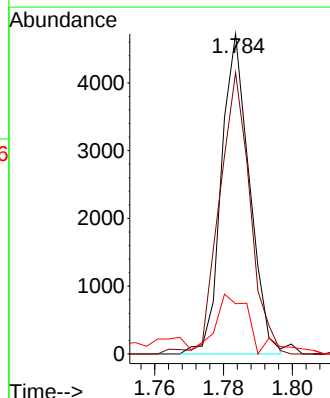
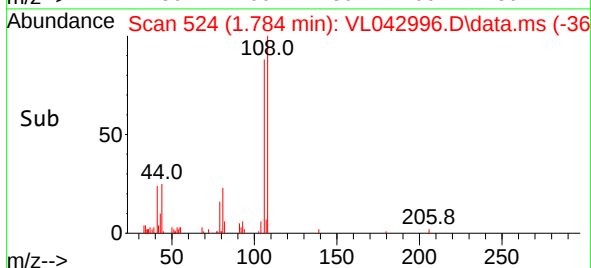
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

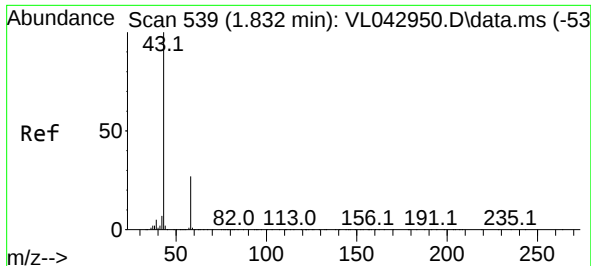


#14
Bromoethene
Concen: 0.436 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



Tgt Ion:108 Resp: 2674
Ion Ratio Lower Upper
108 100
106 96.4 86.0 129.0
79 32.1 14.2 21.2





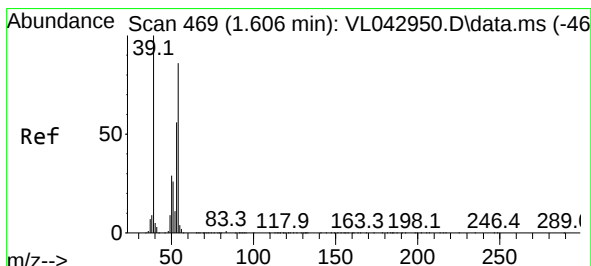
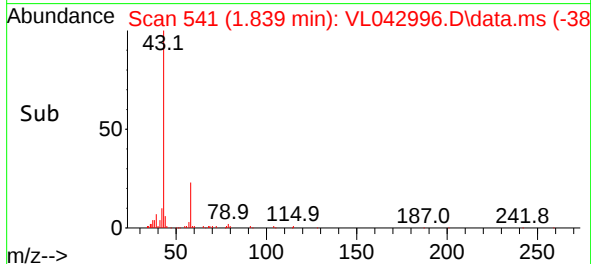
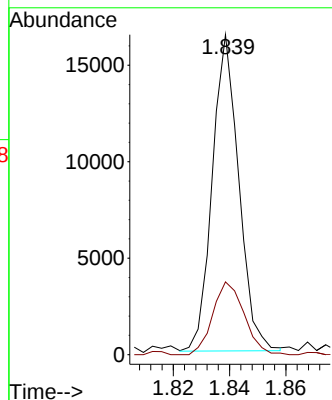
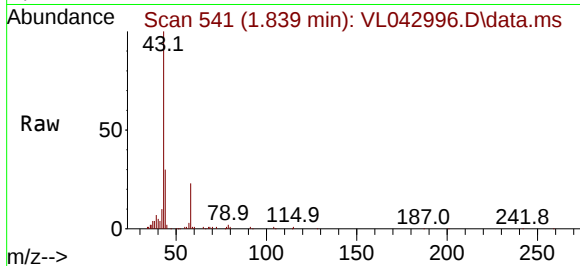
#15
Acetone
Concen: 0.533 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

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

Tgt Ion: 43 Resp: 10718
Ion Ratio Lower Upper
43 100
58 28.1 22.3 33.5

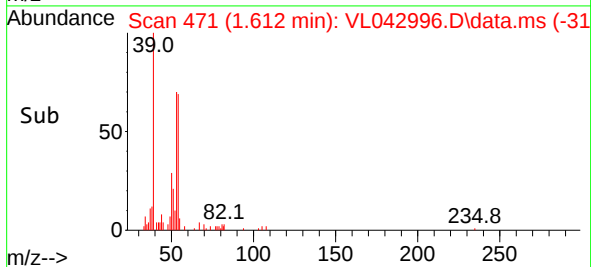
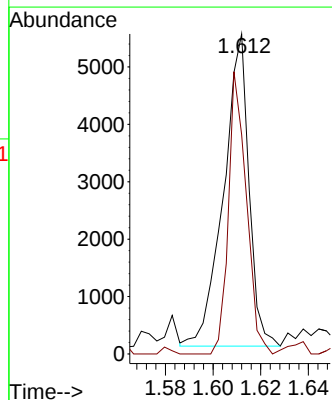
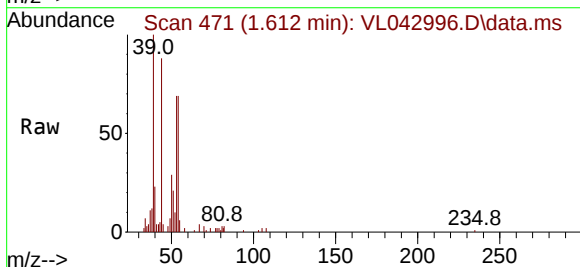
Manual Integrations
APPROVED

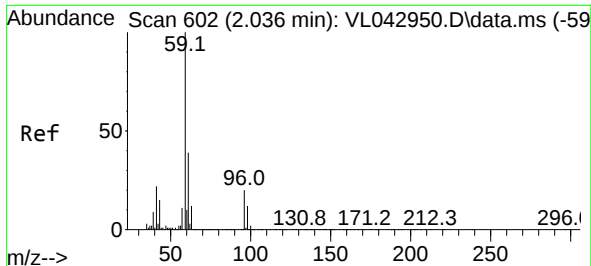
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#16
1,3-Butadiene
Concen: 0.424 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

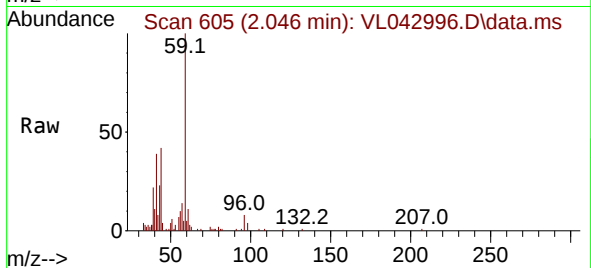
Tgt Ion: 39 Resp: 4025
Ion Ratio Lower Upper
39 100
54 67.5 60.8 91.2





#17
tert-Butyl alcohol
Concen: 0.358 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.009 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

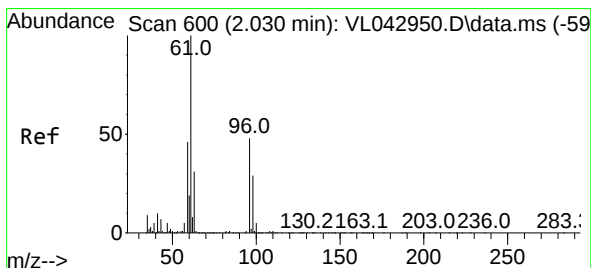
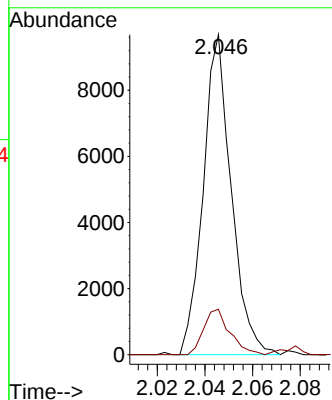
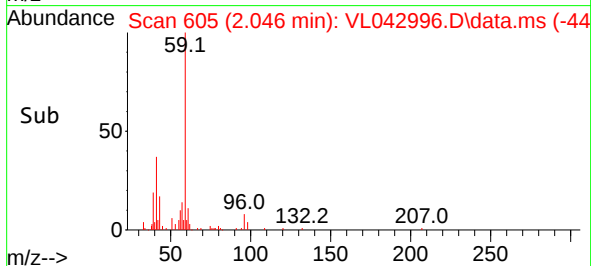
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



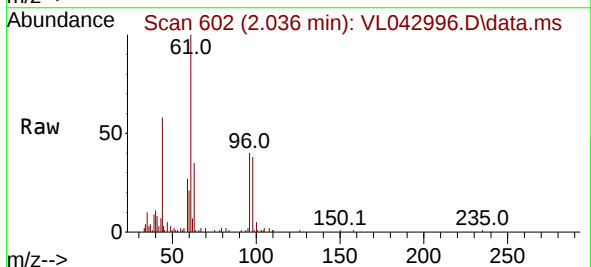
Tgt Ion: 59 Resp: 7902
Ion Ratio Lower Upper
59 100
57 15.0 8.6 12.8

Manual Integrations
APPROVED

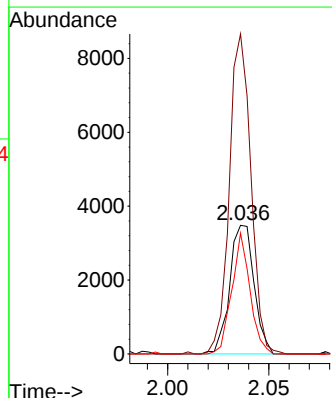
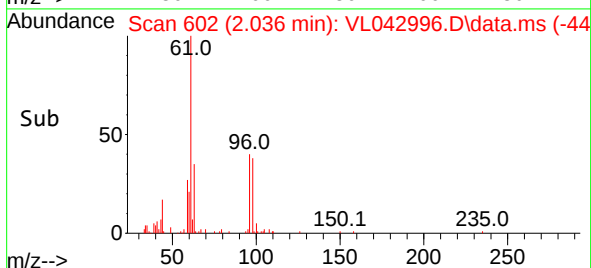
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

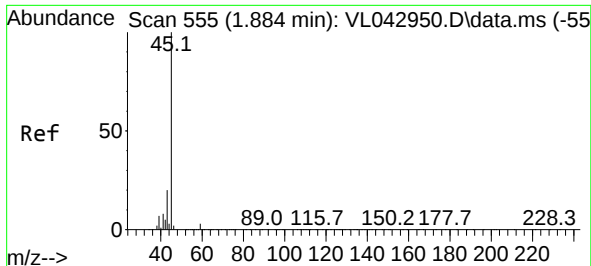


#18
1,1-Dichloroethene
Concen: 0.388 ppbv m
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



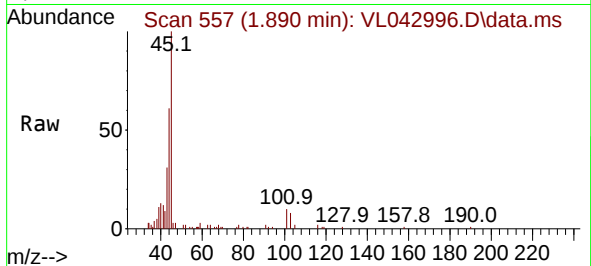
Tgt Ion: 96 Resp: 2913
Ion Ratio Lower Upper
96 100
61 248.7 166.2 249.4
98 93.9 48.6 73.0





#19
Isopropyl Alcohol
Concen: 0.414 ppbv
RT: 1.890 min Scan# 510
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

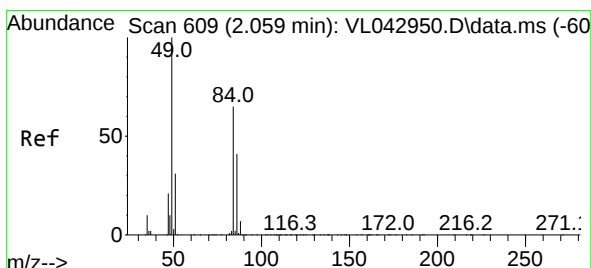
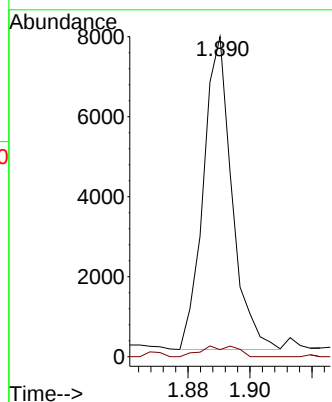
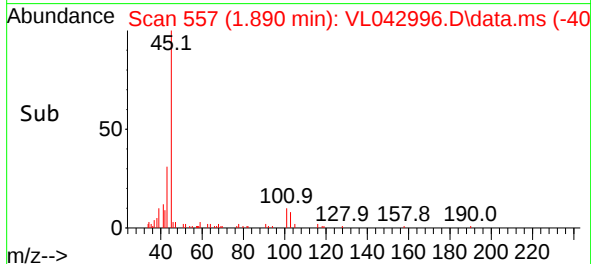
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



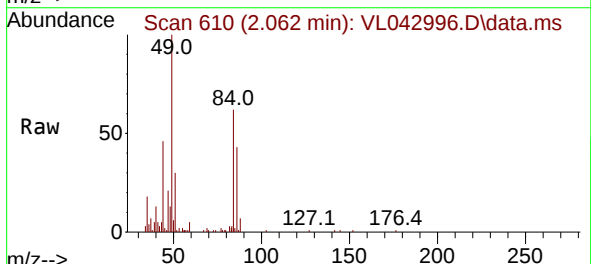
Tgt Ion: 45 Resp: 500
Ion Ratio Lower Upper
45 100
58 4.3 31.0 46.6

Manual Integrations
APPROVED

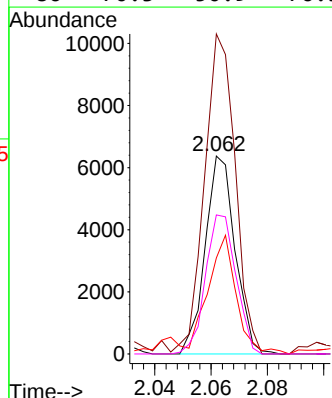
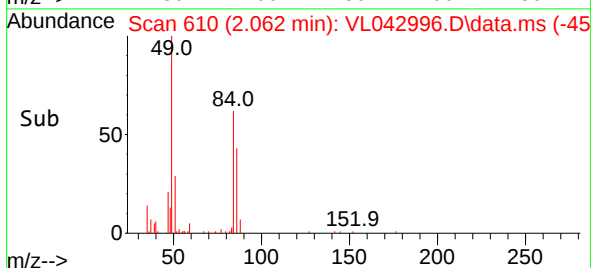
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

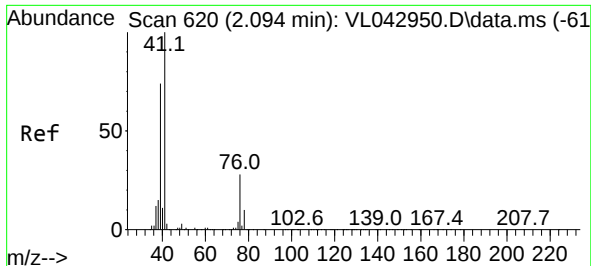


#20
Methylene Chloride
Concen: 0.559 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



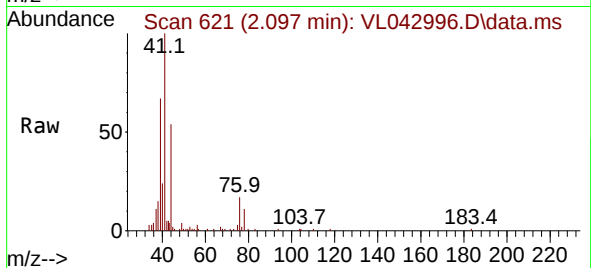
Tgt Ion: 84 Resp: 4704
Ion Ratio Lower Upper
84 100
49 161.7 124.1 186.1
51 48.9 39.8 59.8
86 70.3 50.9 76.3





#21
 Allyl Chloride
 Concen: 0.393 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

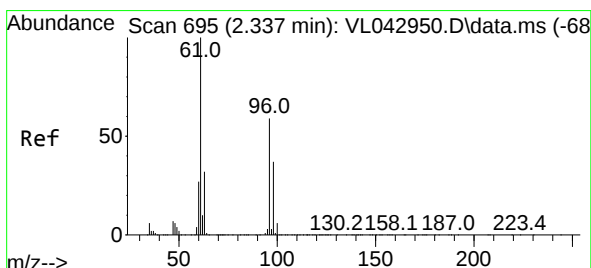
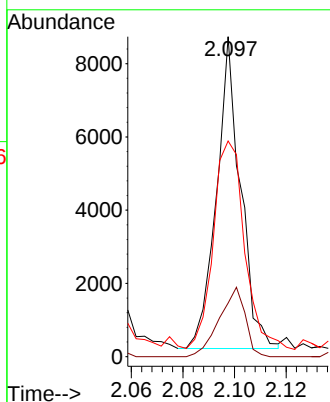
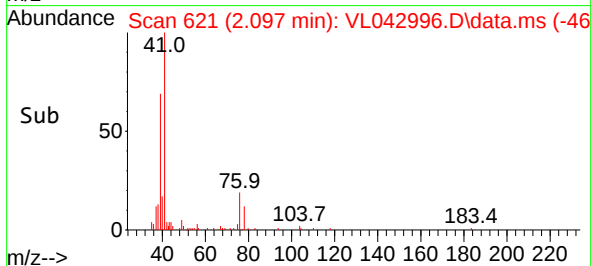
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 41 Resp: 5509
 Ion Ratio Lower Upper
 41 100
 76 24.0 22.3 33.5
 39 99.3 61.3 91.9

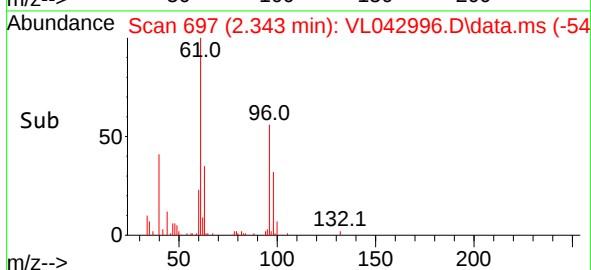
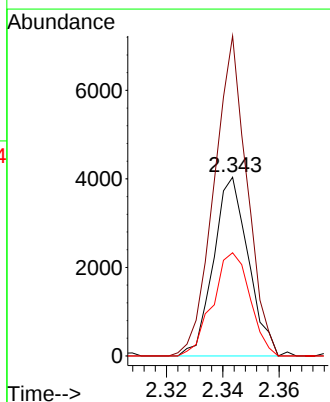
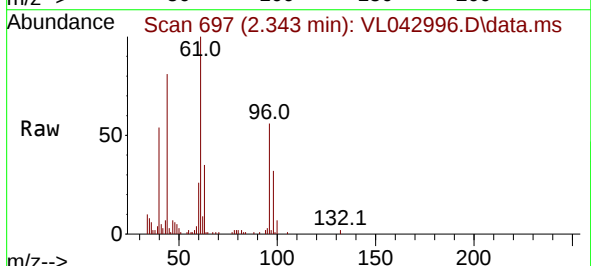
Manual Integrations
 APPROVED

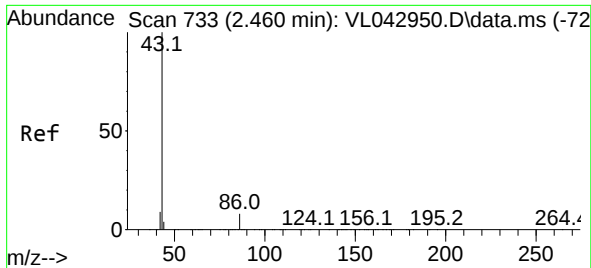
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.406 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

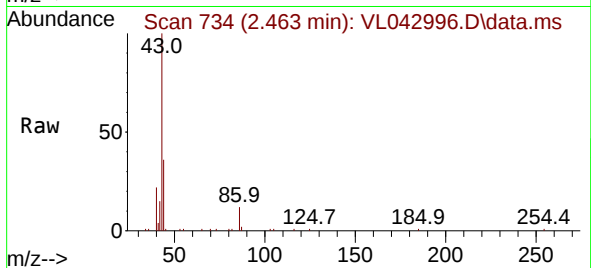
Tgt Ion: 96 Resp: 3462
 Ion Ratio Lower Upper
 96 100
 61 177.3 136.5 204.7
 98 57.7 50.6 76.0





#23
 Vinyl Acetate
 Concen: 0.335 ppbv
 RT: 2.463 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

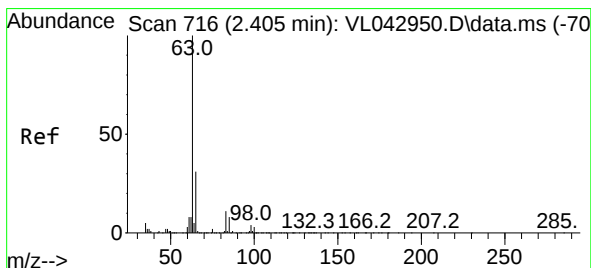
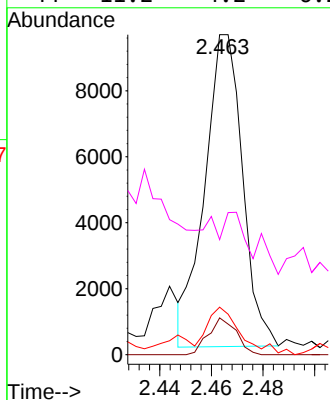
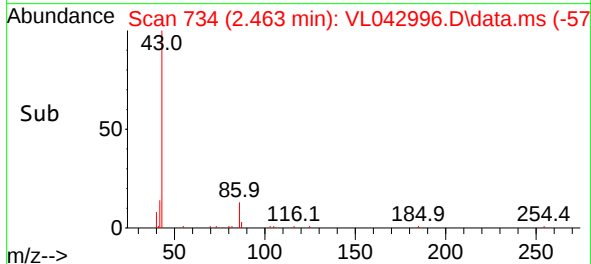
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.8	6.2	9.2
42	14.7	7.4	11.0
44	11.2	4.2	6.2

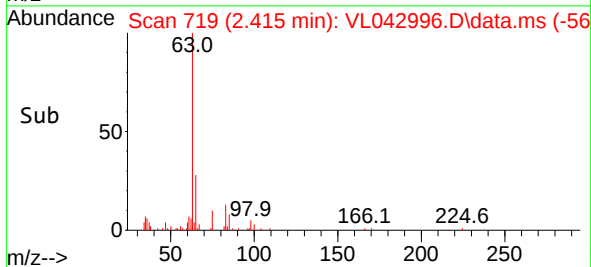
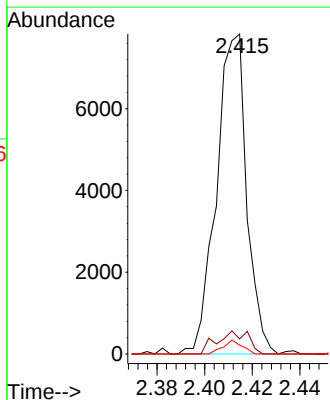
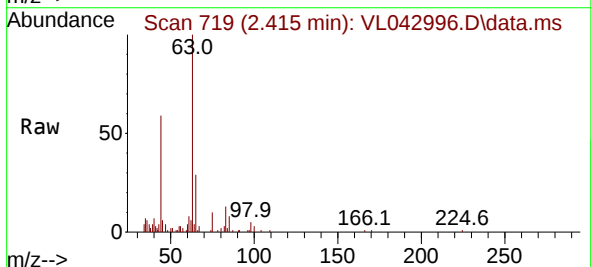
Manual Integrations
 APPROVED

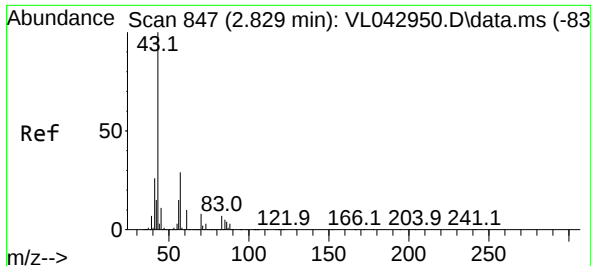
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#24
 1,1-Dichloroethane
 Concen: 0.413 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.010 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	2.7	1.4	4.0





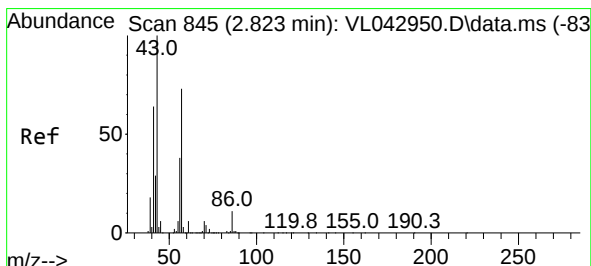
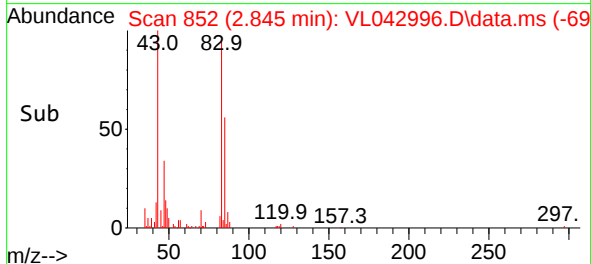
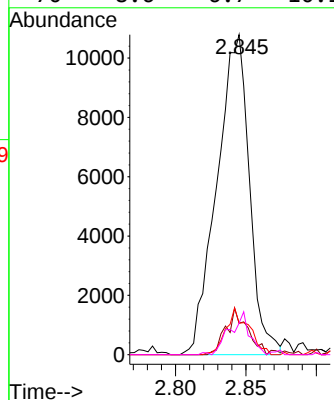
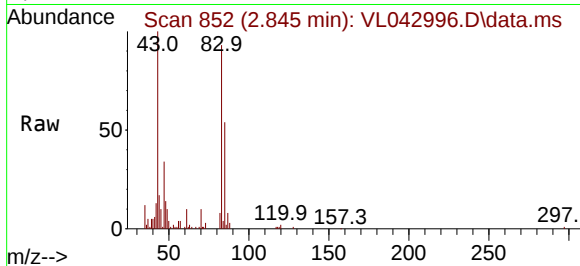
#25
Ethyl Acetate
Concen: 0.341 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

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

Tgt Ion: 43	Resp: 17340
Ion Ratio	Lower Upper
43 100	
45 10.8	7.7 11.5
61 10.2	7.1 10.7
70 8.6	6.7 10.1

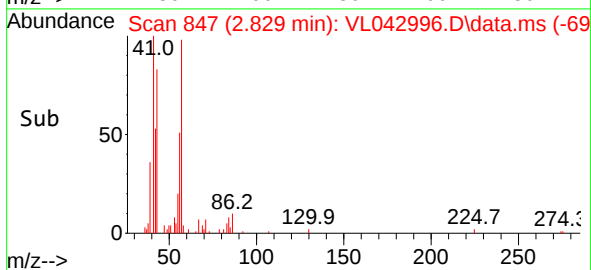
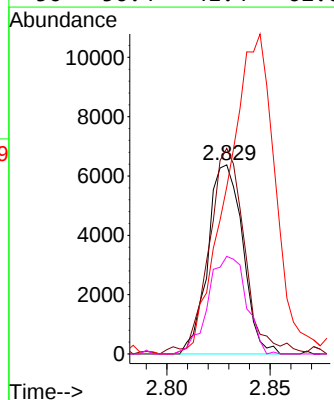
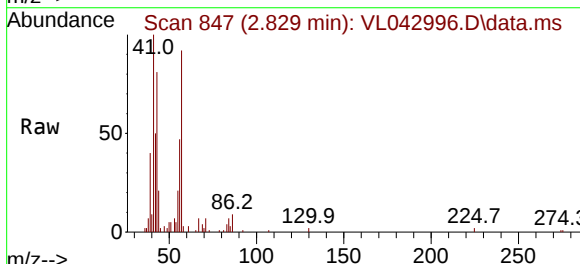
Manual Integrations
APPROVED

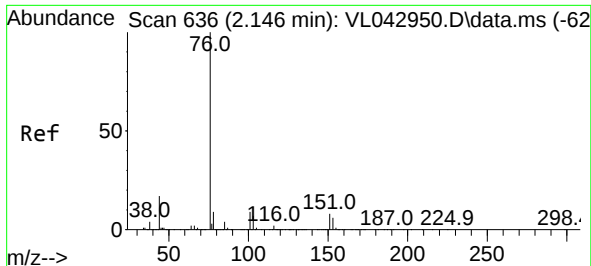
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#26
Hexane
Concen: 0.322 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

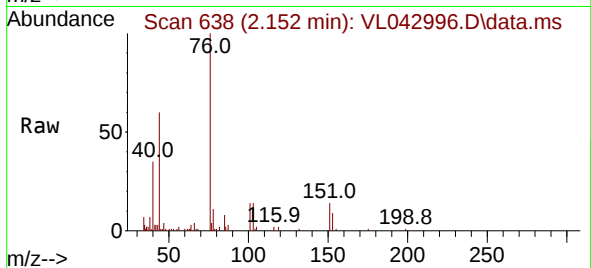
Tgt Ion: 57	Resp: 7462
Ion Ratio	Lower Upper
57 100	
41 113.9	71.7 107.5#
43 239.8	180.8 271.2
56 56.4	41.4 62.0





#27
Carbon Disulfide
Concen: 0.347 ppbv
RT: 2.152 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

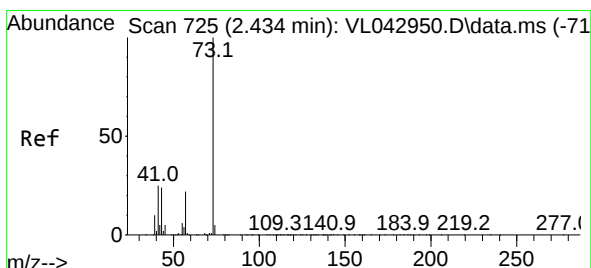
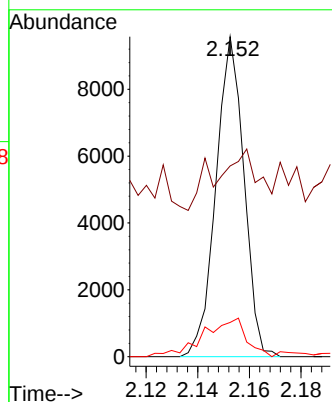
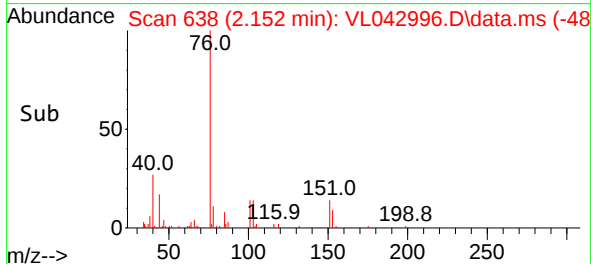
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 76 Resp: 721
Ion Ratio Lower Upper
76 100
44 96.0 15.6 23.4
78 19.9 8.9 13.3

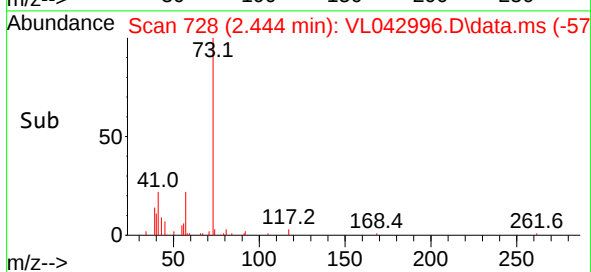
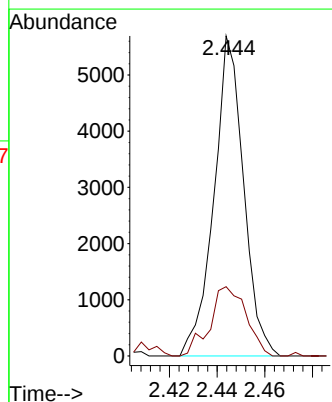
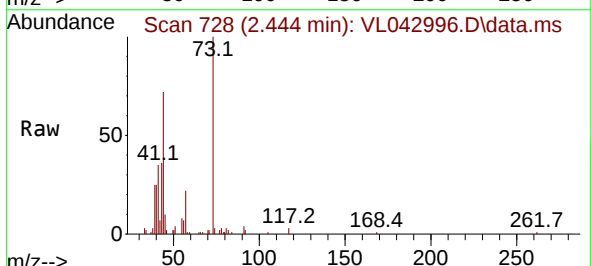
Manual Integrations
APPROVED

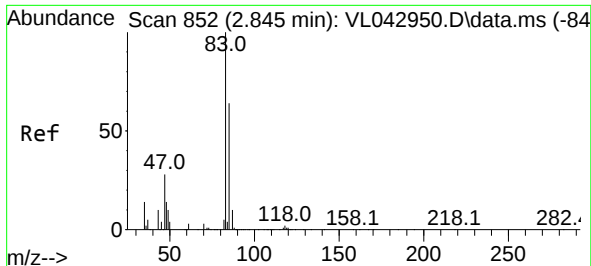
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#28
Methyl tert-Butyl Ether
Concen: 0.408 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 73 Resp: 4916
Ion Ratio Lower Upper
73 100
57 29.5 20.6 31.0





#29

Chloroform

Concen: 0.470 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 83 Resp: 14230

Ion Ratio Lower Upper

83 100

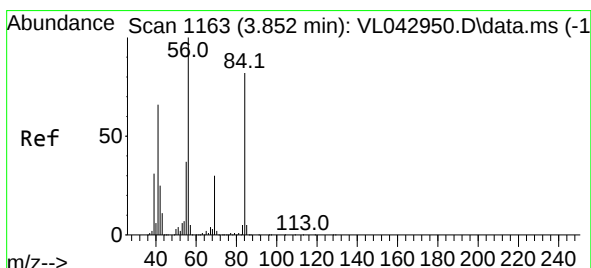
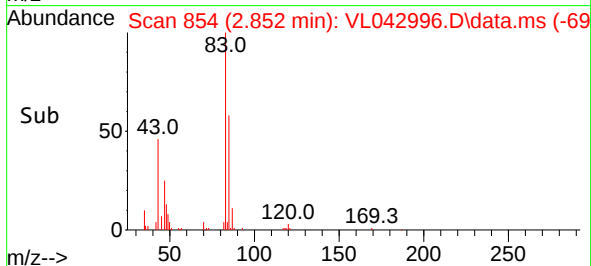
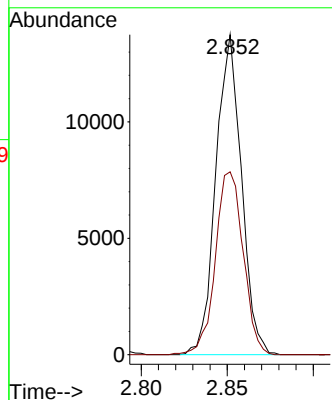
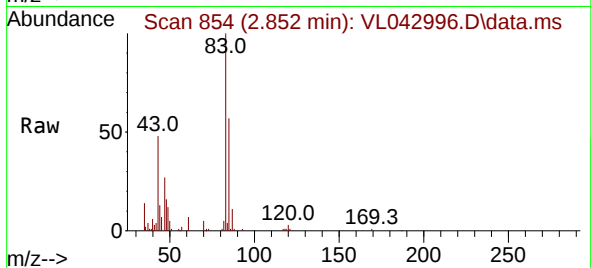
85 57.1 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#30

Cyclohexane

Concen: 0.271 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

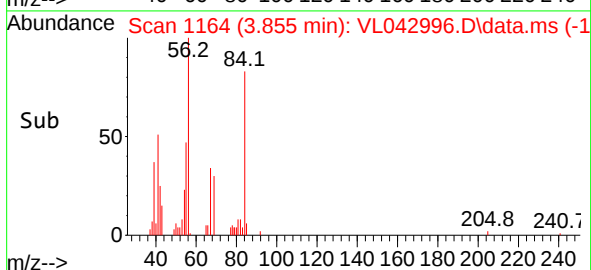
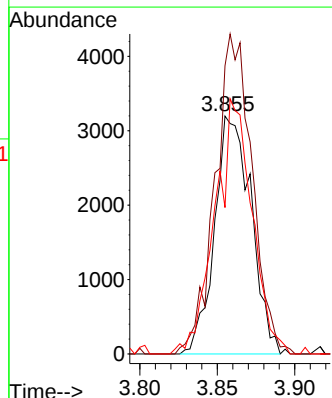
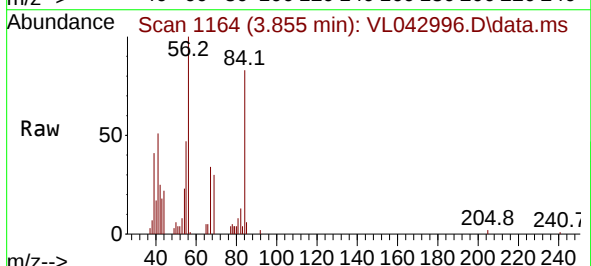
Tgt Ion: 84 Resp: 5245

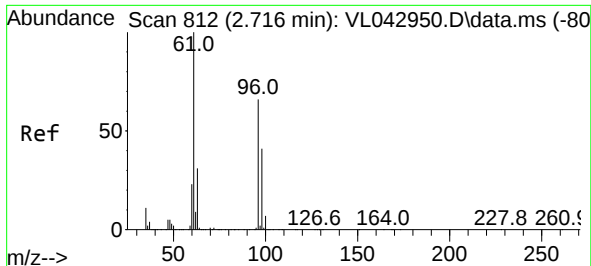
Ion Ratio Lower Upper

84 100

56 136.1 102.2 153.4

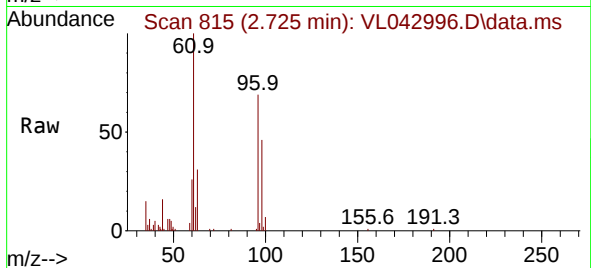
41 109.0 65.6 98.4#





#31
 cis-1,2-Dichloroethene
 Concen: 0.374 ppbv
 RT: 2.725 min Scan# 810
 Delta R.T. 0.009 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

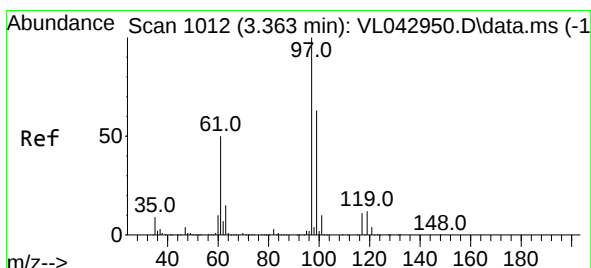
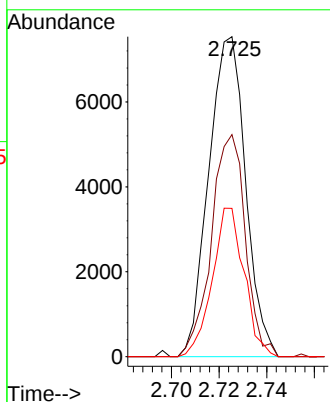
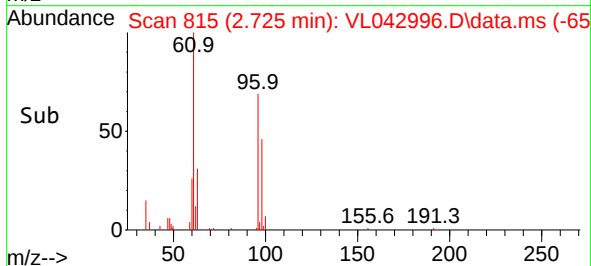
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 61 Resp: 810
 Ion Ratio Lower Upper
 61 100
 96 69.4 53.0 79.6
 98 46.3 32.9 49.3

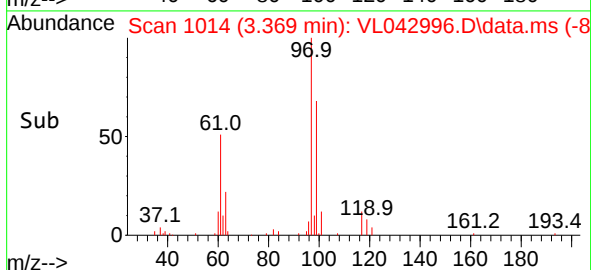
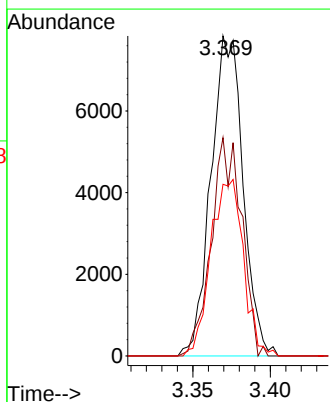
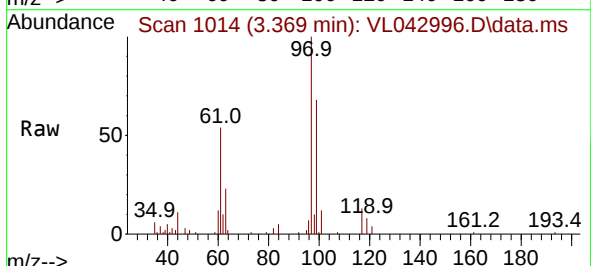
Manual Integrations
 APPROVED

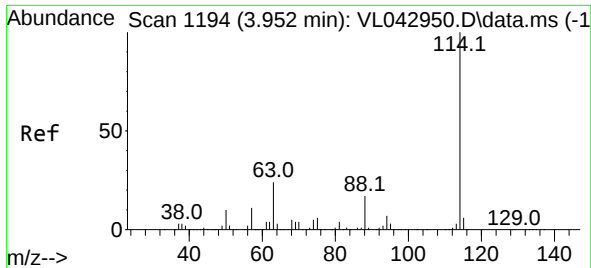
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.345 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

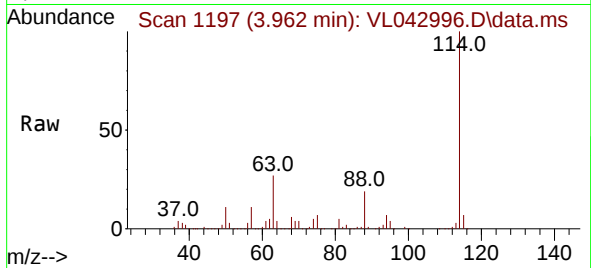
Tgt Ion: 97 Resp: 11300
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 56.1 39.8 59.6





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1194
 Delta R.T. 0.010 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

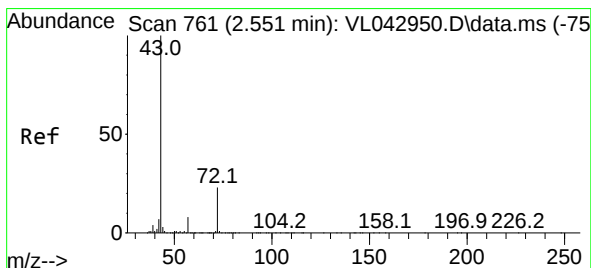
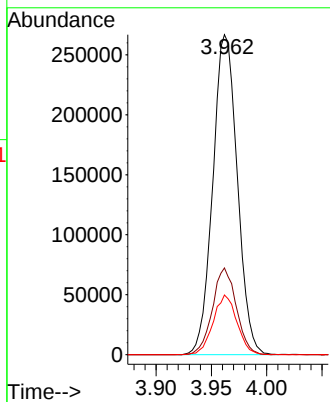
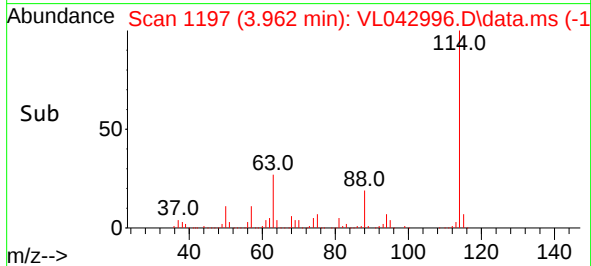
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 114 Resp: 411178
 Ion Ratio Lower Upper
 114 100
 63 26.4 19.4 29.2
 88 18.1 14.2 21.2

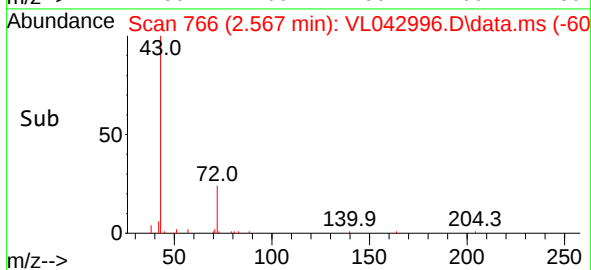
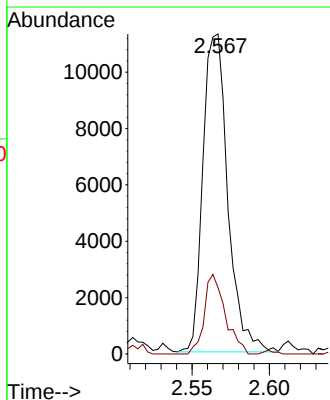
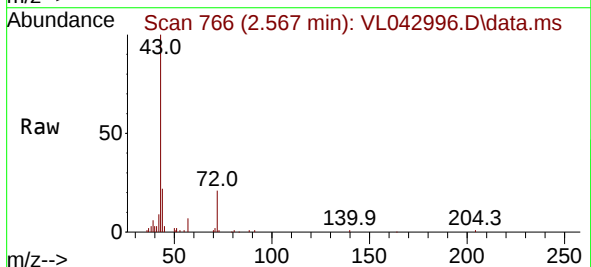
Manual Integrations
 APPROVED

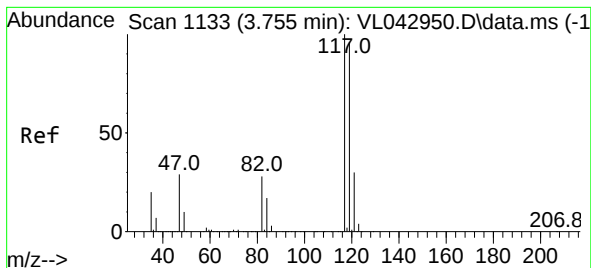
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#34
 2-Butanone
 Concen: 0.438 ppbv
 RT: 2.567 min Scan# 766
 Delta R.T. 0.016 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

Tgt Ion: 43 Resp: 12622
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.7 26.5





#35

Carbon Tetrachloride

Concen: 0.455 ppbv

RT: 3.764 min Scan# 1136

Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

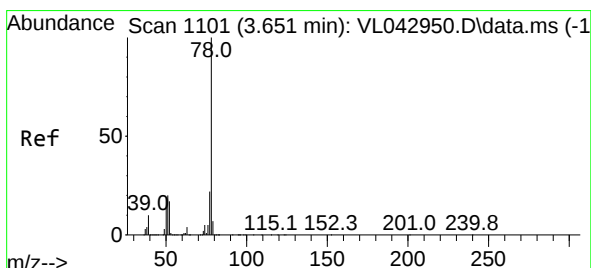
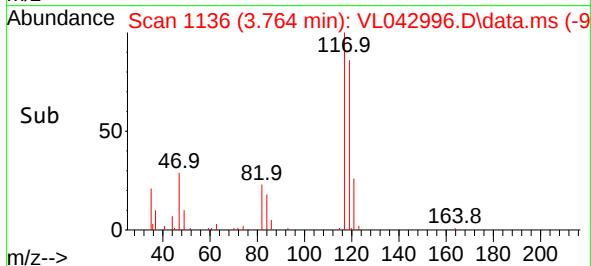
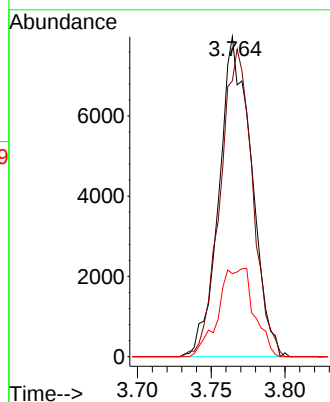
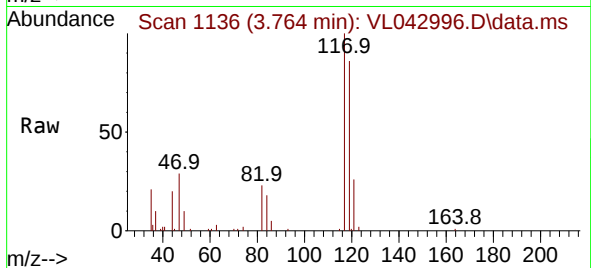
LOD-MDL-AIR-01-QT3-2025

Tgt Ion:	117	Resp:	1216
Ion Ratio	Lower	Upper	
117	100		
119	86.2	76.9	115.3
121	25.9	23.7	35.5

Manual Integrations

APPROVED

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



#36

Benzene

Concen: 0.419 ppbv

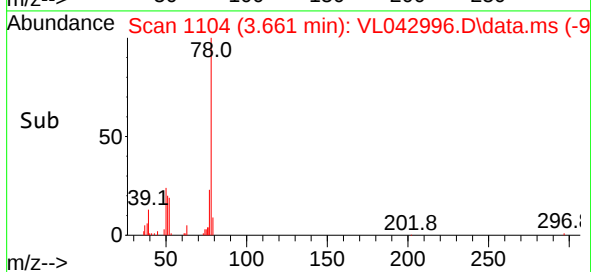
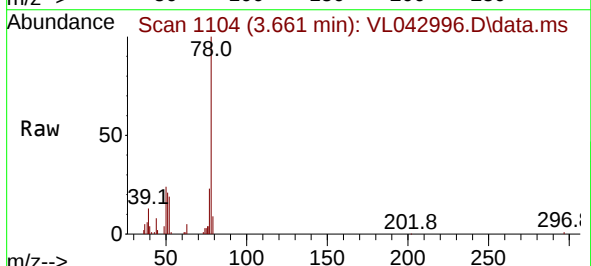
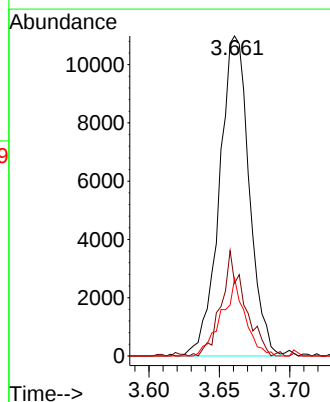
RT: 3.661 min Scan# 1104

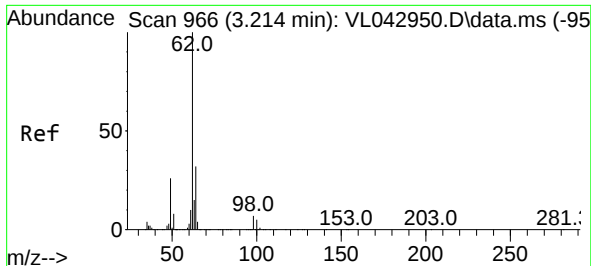
Delta R.T. 0.010 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

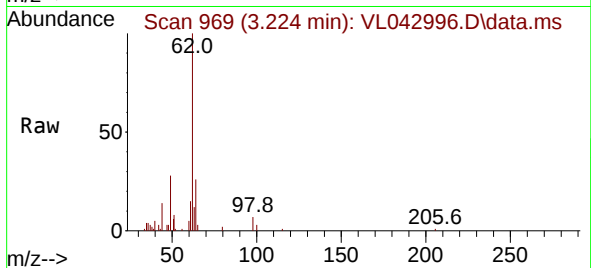
Tgt Ion:	78	Resp:	16193
Ion Ratio	Lower	Upper	
78	100		
77	22.2	17.8	26.6
50	24.3	15.0	22.4





#37
1,2-Dichloroethane
Concen: 0.528 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

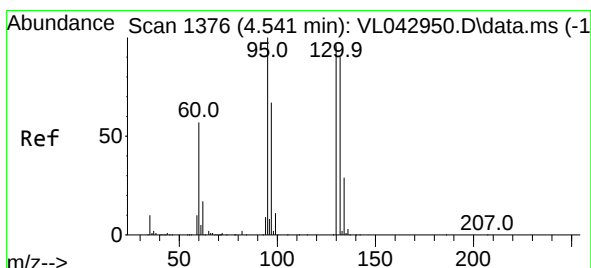
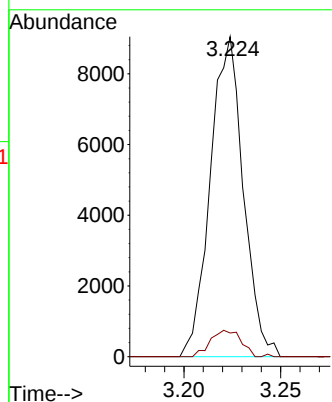
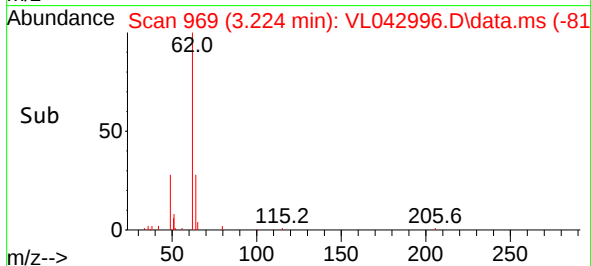
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 62 Resp: 10732
Ion Ratio Lower Upper
62 100
98 7.7 5.9 8.9

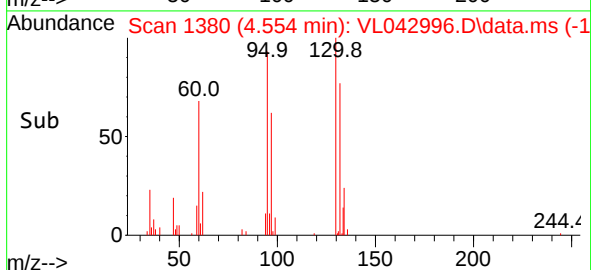
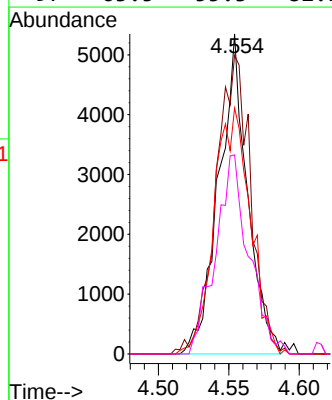
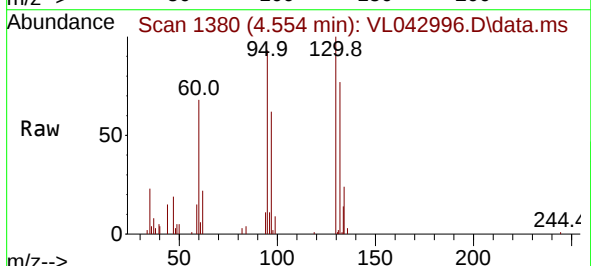
Manual Integrations
APPROVED

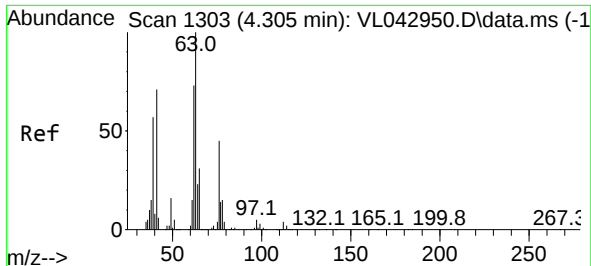
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#38
Trichloroethene
Concen: 0.395 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:130 Resp: 7572
Ion Ratio Lower Upper
130 100
95 91.3 83.0 124.4
132 76.0 74.6 112.0
97 63.5 55.3 82.9





#39

1,2-Dichloropropane

Concen: 0.457 ppbv m

RT: 4.318 min Scan# 1307

Delta R.T. 0.013 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

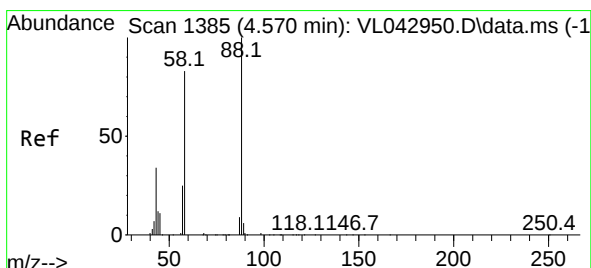
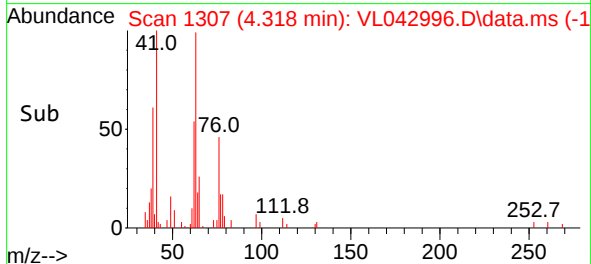
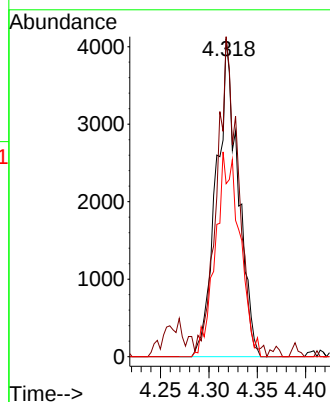
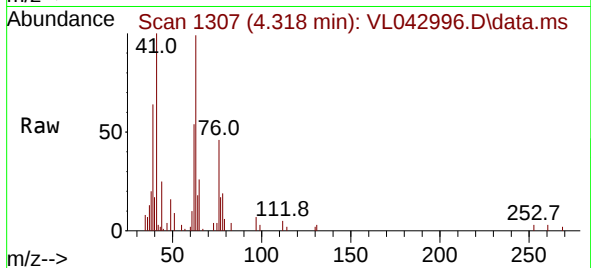
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 63	Resp: 6440
Ion Ratio	Lower Upper
63	100
41	100.7 57.5 86.3
62	54.4 58.5 87.7

Manual Integrations

APPROVED

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



#40

1,4-Dioxane

Concen: 0.346 ppbv m

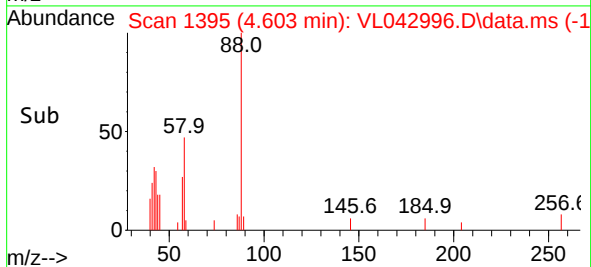
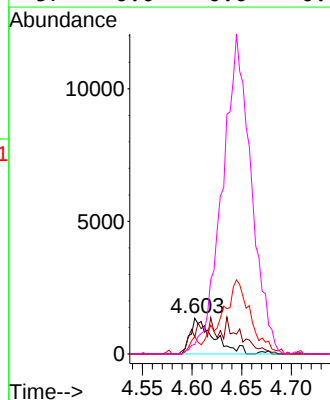
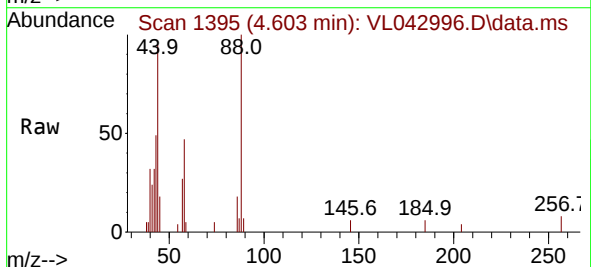
RT: 4.603 min Scan# 1395

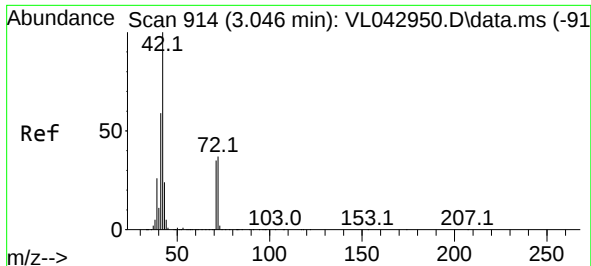
Delta R.T. 0.032 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

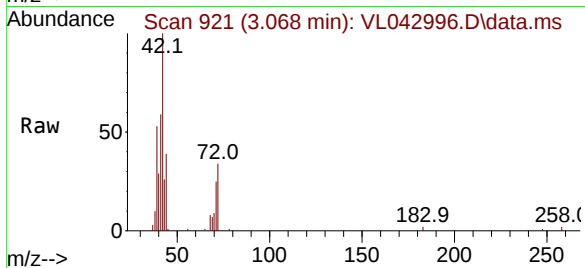
Tgt Ion: 88	Resp: 2270
Ion Ratio	Lower Upper
88	100
58	78.8 59.7 89.5
43	0.0 28.9 43.3
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.353 ppbv m
RT: 3.068 min Scan# 914
Delta R.T. 0.022 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

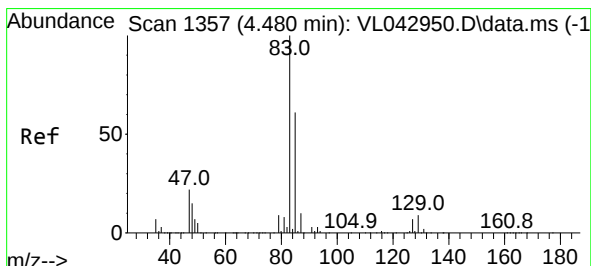
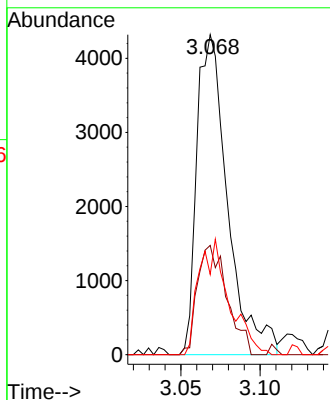
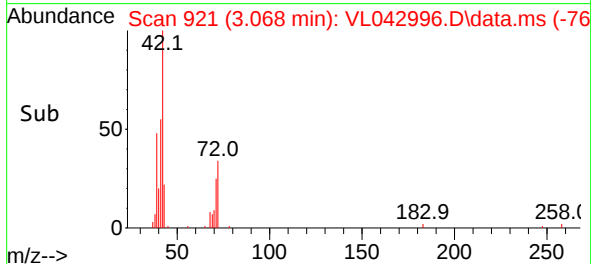
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



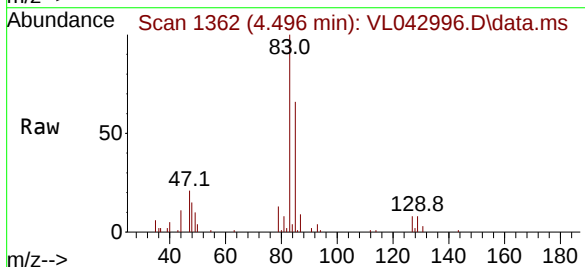
Tgt Ion: 42 Resp: 584
Ion Ratio Lower Upper
42 100
72 32.9 30.0 45.0
71 35.3 28.8 43.2

Manual Integrations
APPROVED

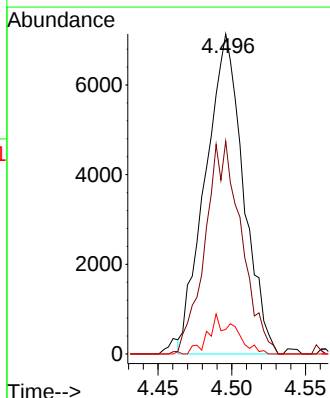
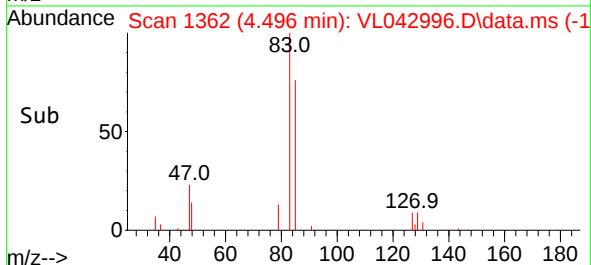
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

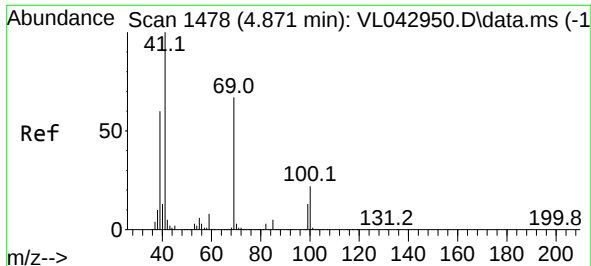


#42
Bromodichloromethane
Concen: 0.452 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



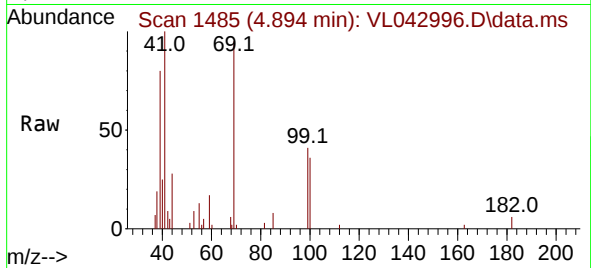
Tgt Ion: 83 Resp: 12792
Ion Ratio Lower Upper
83 100
85 66.5 49.0 73.6
127 7.6 5.3 7.9





#43
Methyl Methacrylate
Concen: 0.298 ppbv m
RT: 4.894 min Scan# 1478
Delta R.T. 0.022 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

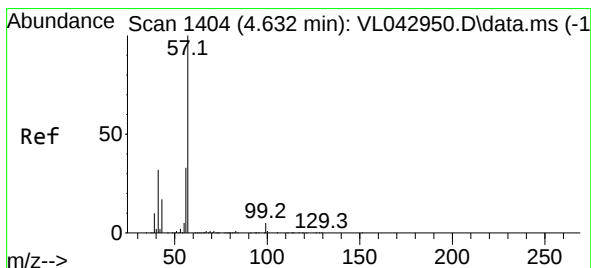
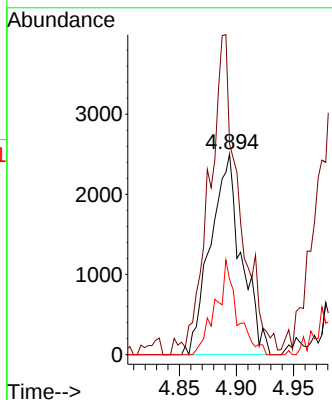
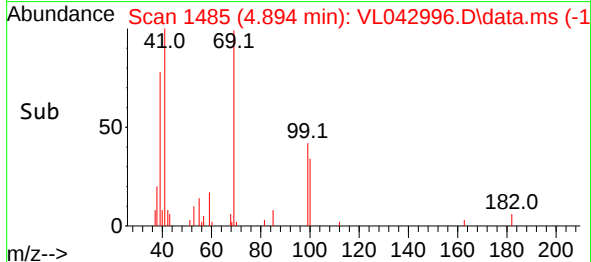
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 69 Resp: 4715
Ion Ratio Lower Upper
69 100
41 155.5 124.5 186.7
100 33.1 29.0 43.6

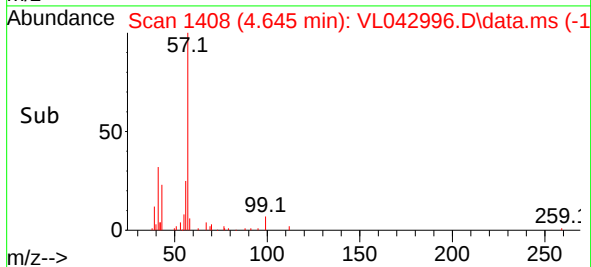
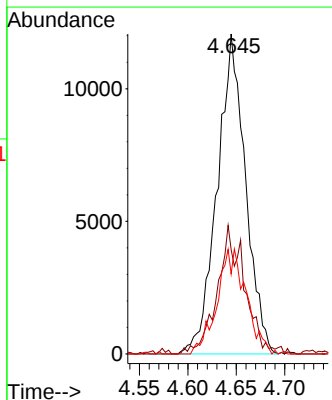
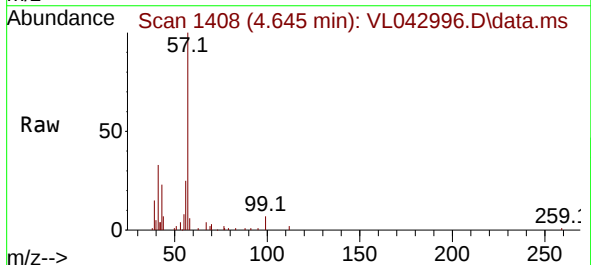
Manual Integrations
APPROVED

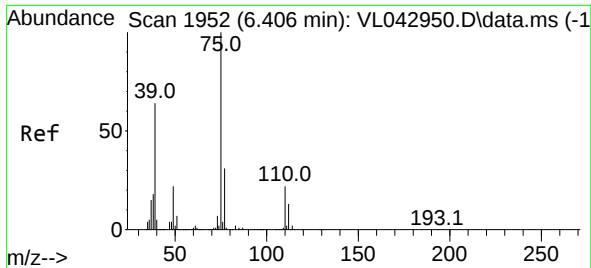
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#44
2,2,4-Trimethylpentane
Concen: 0.368 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 57 Resp: 24557
Ion Ratio Lower Upper
57 100
41 39.1 25.5 38.3#
56 33.7 25.8 38.8





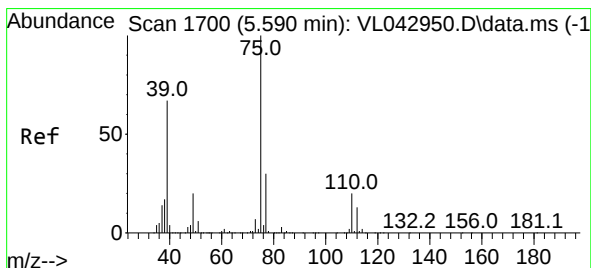
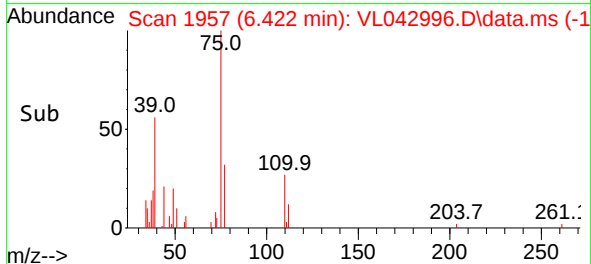
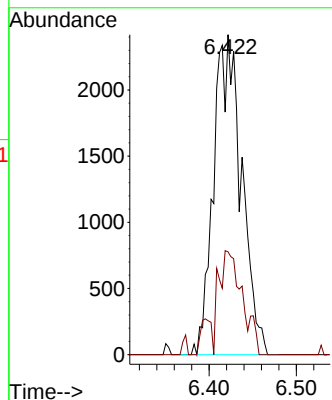
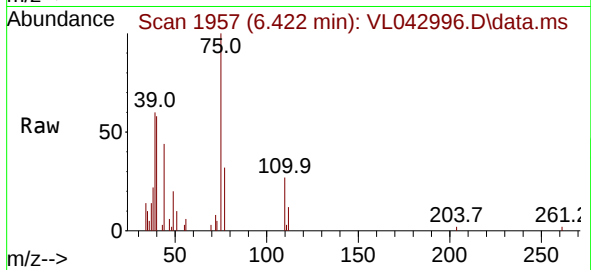
#45
t-1,3-Dichloropropene
Concen: 0.319 ppbv m
RT: 6.422 min Scan# 1957
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

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

Tgt Ion: 75 Resp: 537
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.4

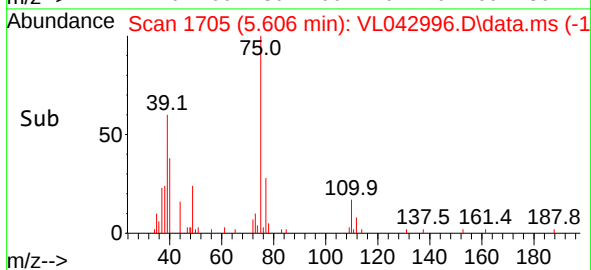
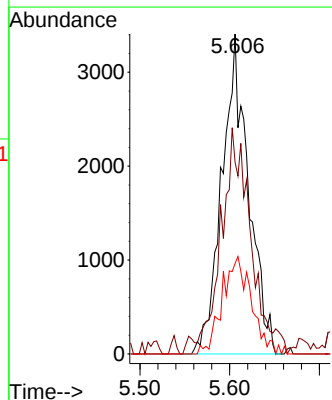
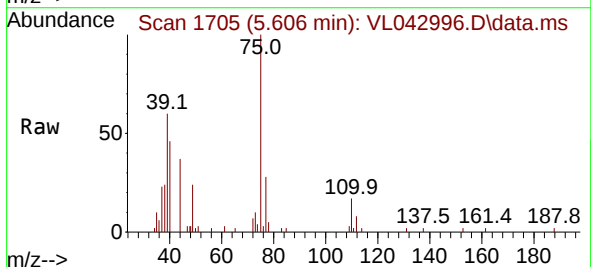
Manual Integrations
APPROVED

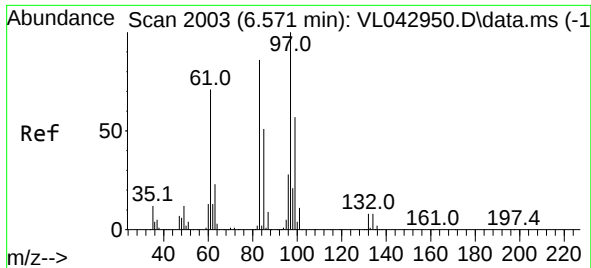
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#46
cis-1,3-Dichloropropene
Concen: 0.327 ppbv m
RT: 5.606 min Scan# 1705
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

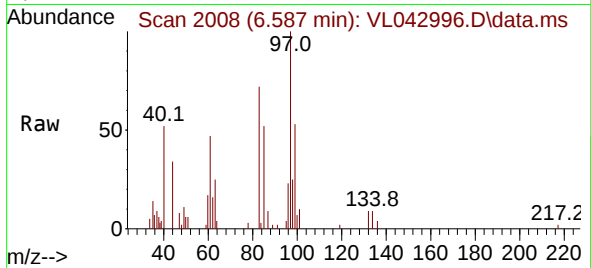
Tgt Ion: 75 Resp: 7015
Ion Ratio Lower Upper
75 100
39 59.9 53.8 80.6
77 28.3 23.6 35.4





#47
1,1,2-Trichloroethane
Concen: 0.439 ppbv m
RT: 6.587 min Scan# 2008
Delta R.T. 0.016 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

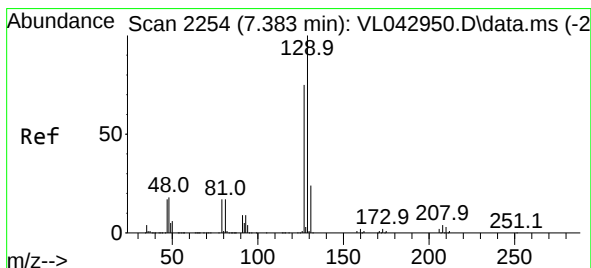
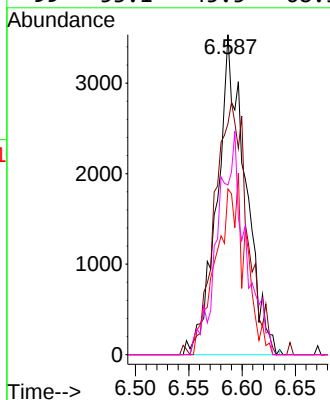
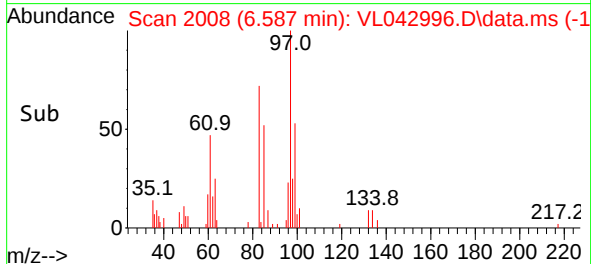
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion	Ratio	Lower	Upper
97	100		
83	72.2	68.7	103.1
85	51.8	40.6	60.8
99	53.1	45.5	68.3

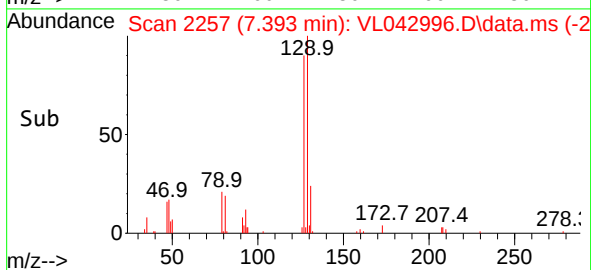
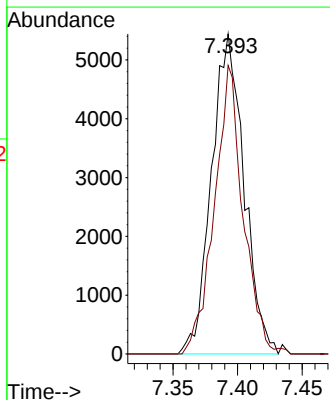
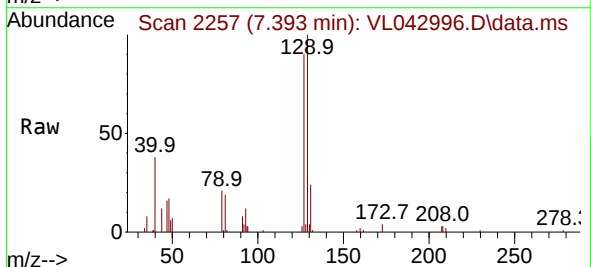
Manual Integrations
APPROVED

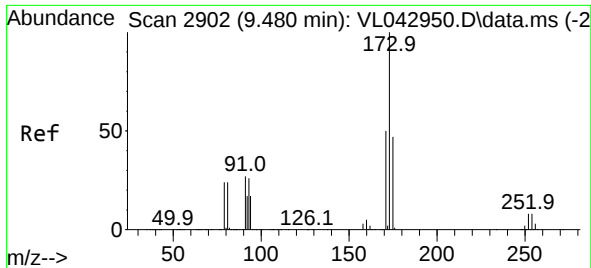
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#48
Dibromochloromethane
Concen: 0.400 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

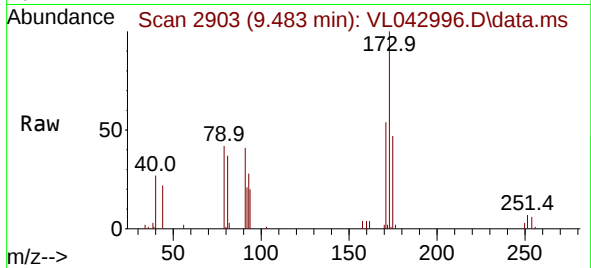
Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.1	117.2





#49
Bromoform
Concen: 0.332 ppbv m
RT: 9.483 min Scan# 2902
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

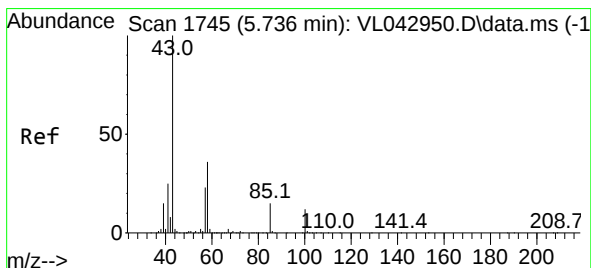
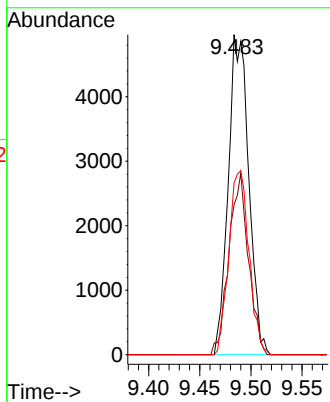
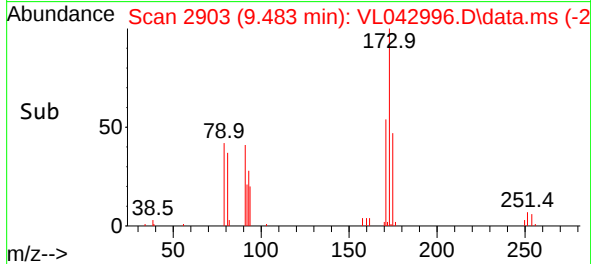
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 173 Resp: 688
Ion Ratio Lower Upper
173 100
175 54.1 37.9 56.9
171 57.0 41.1 61.7

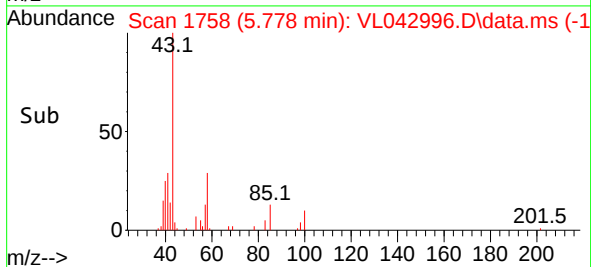
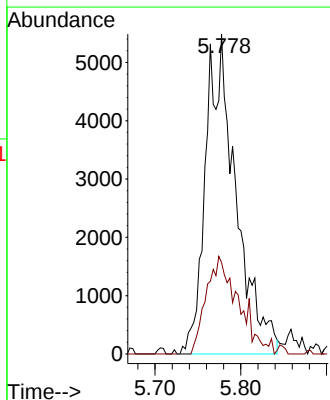
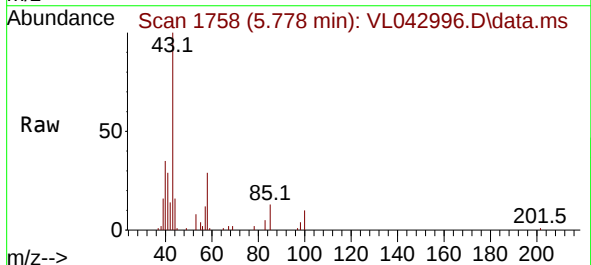
Manual Integrations
APPROVED

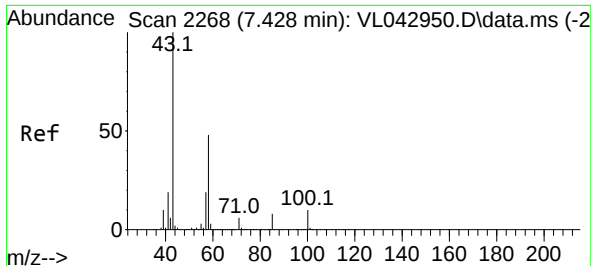
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#50
4-Methyl-2-Pentanone
Concen: 0.348 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.042 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

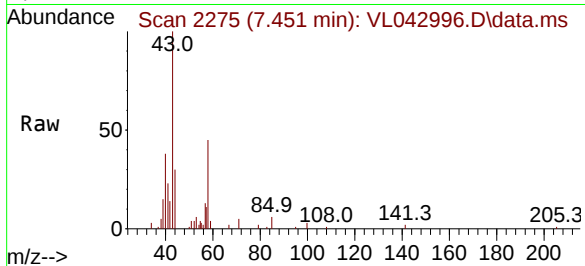
Tgt Ion: 43 Resp: 13422
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#





#51
2-Hexanone
Concen: 0.296 ppbv m
RT: 7.451 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

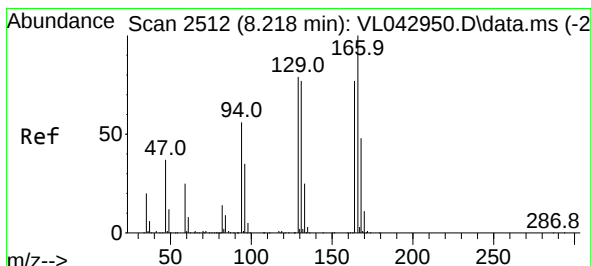
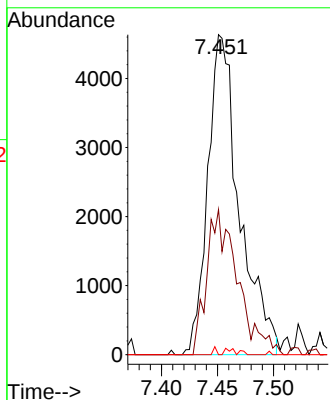
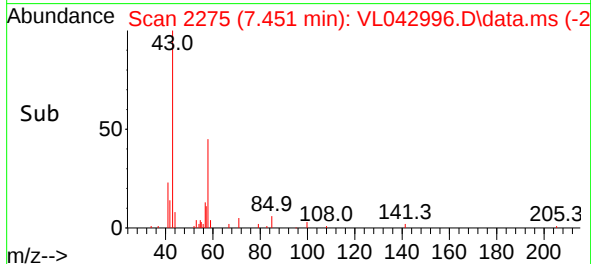
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
58 44.6 39.7 59.5
98 1.0 0.1 0.1

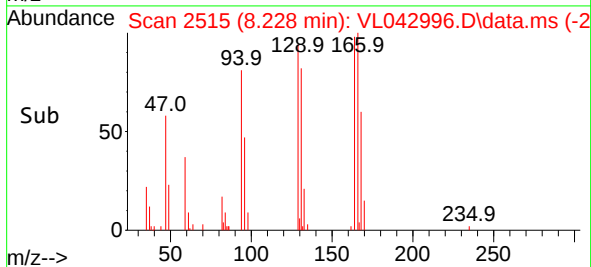
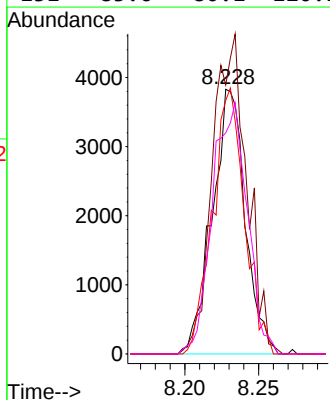
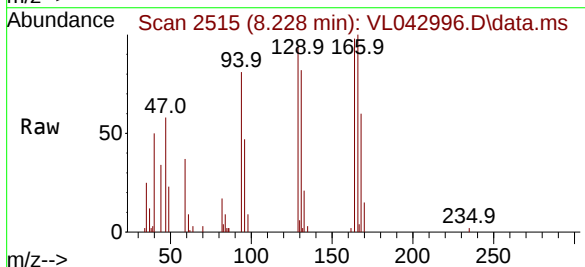
Manual Integrations
APPROVED

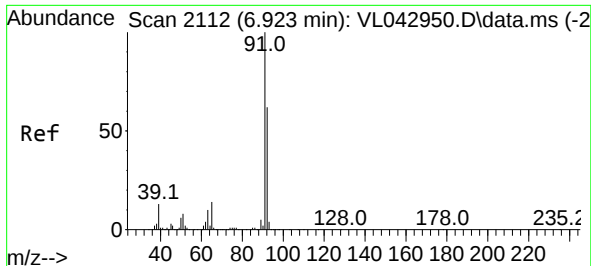
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#52
Tetrachloroethene
Concen: 0.398 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

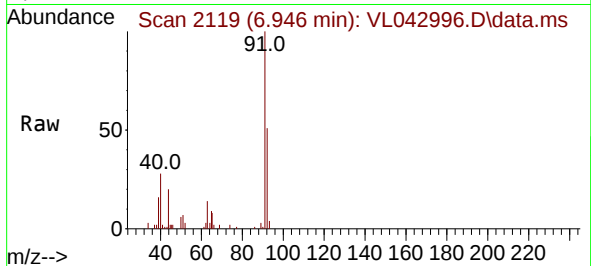
Tgt Ion:164 Resp: 5951
Ion Ratio Lower Upper
164 100
166 101.6 103.5 155.3#
129 95.7 82.2 123.4
131 83.6 80.1 120.1





#53
Toluene
Concen: 0.304 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.022 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

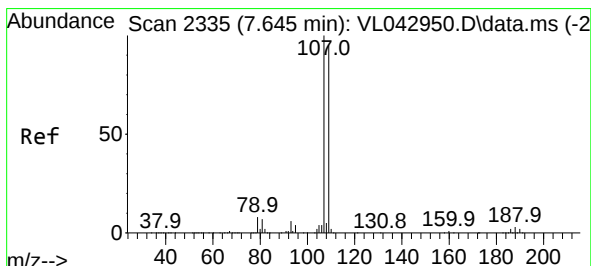
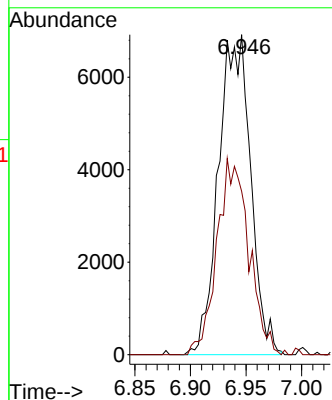
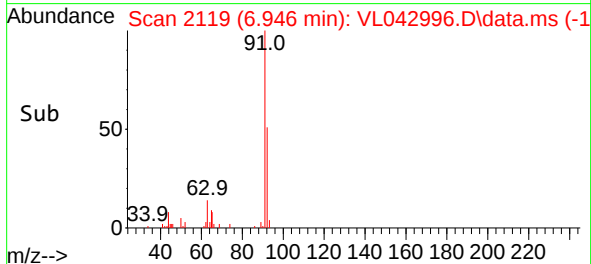
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



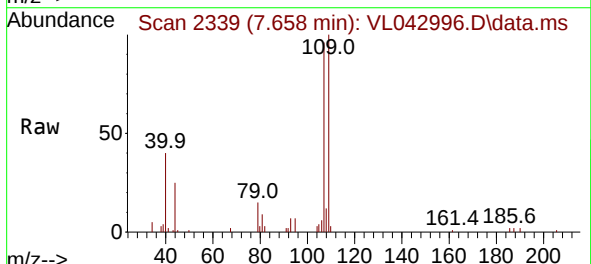
Tgt Ion: 91 Resp: 1388
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2

Manual Integrations
APPROVED

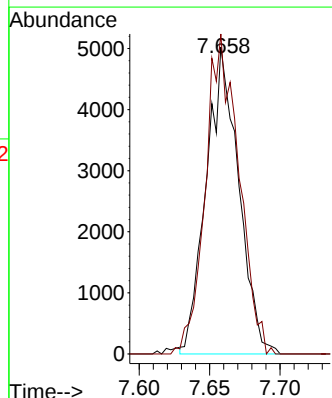
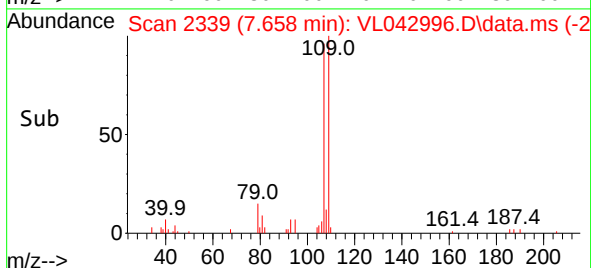
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

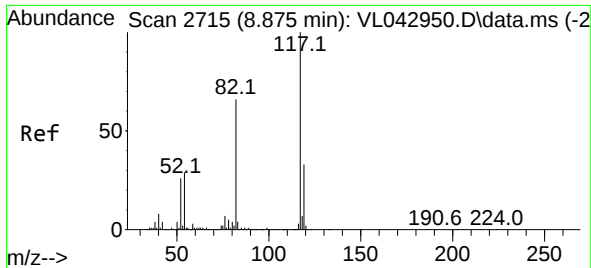


#54
1,2-Dibromoethane
Concen: 0.383 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



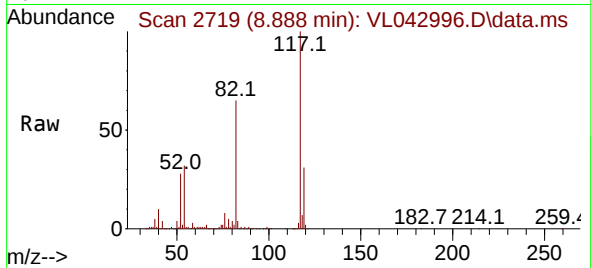
Tgt Ion:107 Resp: 8030
Ion Ratio Lower Upper
107 100
109 104.3 75.8 113.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

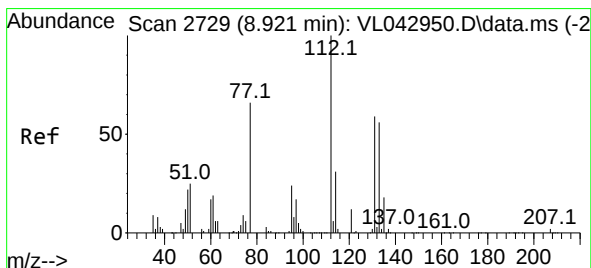
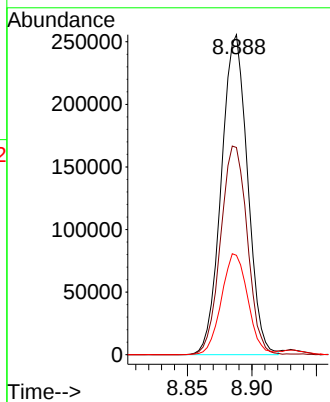
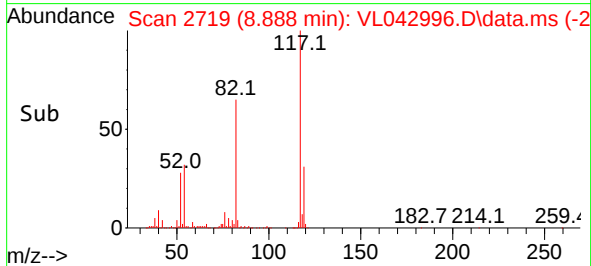
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion:117 Resp: 360730
Ion Ratio Lower Upper
117 100
82 66.6 52.8 79.2
119 33.2 26.5 39.7

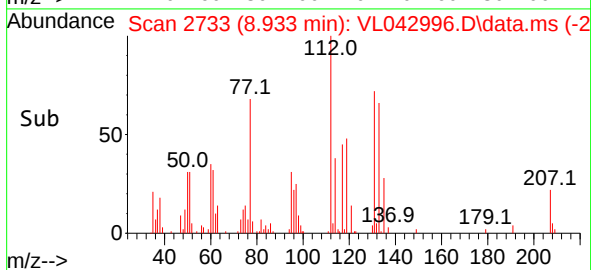
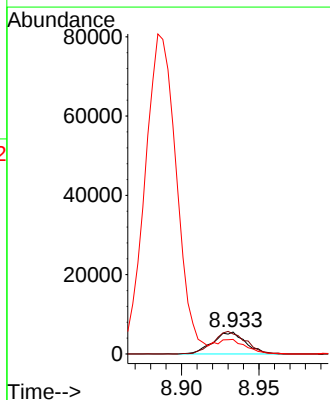
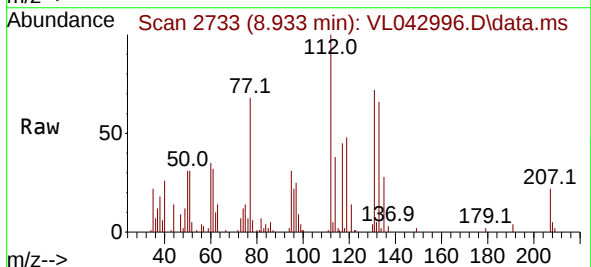
Manual Integrations
APPROVED

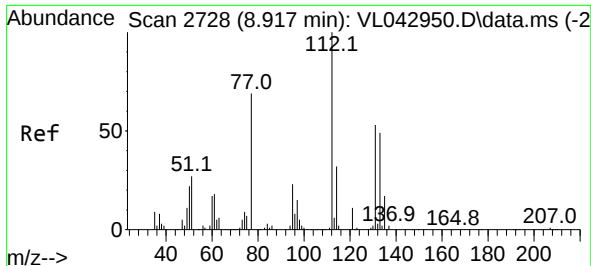
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.467 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

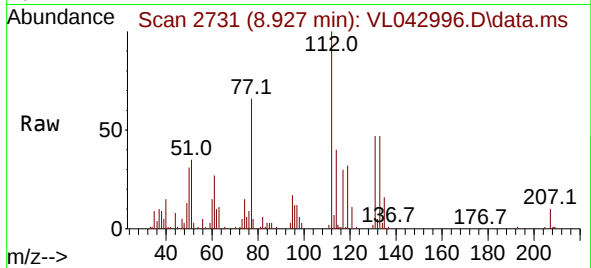
Tgt Ion:131 Resp: 8058
Ion Ratio Lower Upper
131 100
133 103.6 76.6 114.8
119 1485.1 49.9 74.9#





#57
Chlorobenzene
Concen: 0.470 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

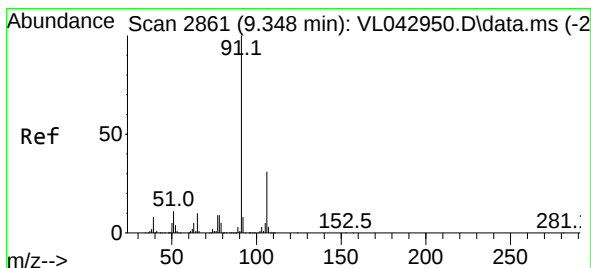
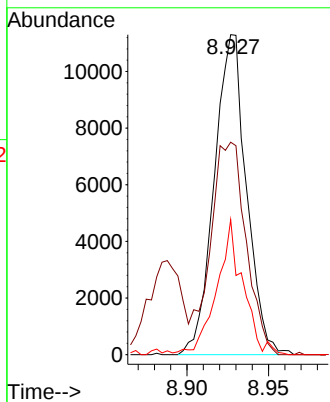
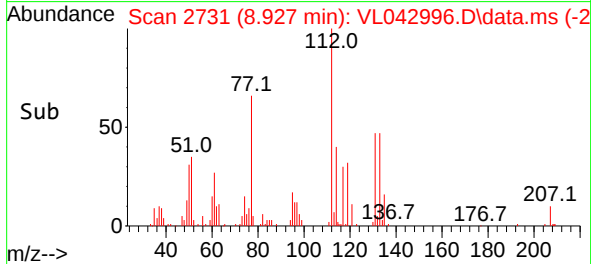
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 112 Resp: 1548
Ion Ratio Lower Upper
112 100
77 71.1 55.7 83.5
114 41.5 28.6 35.0

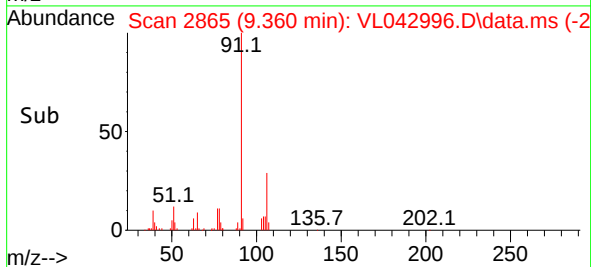
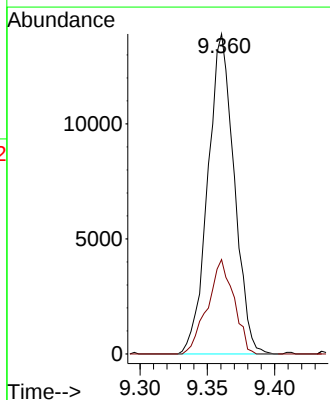
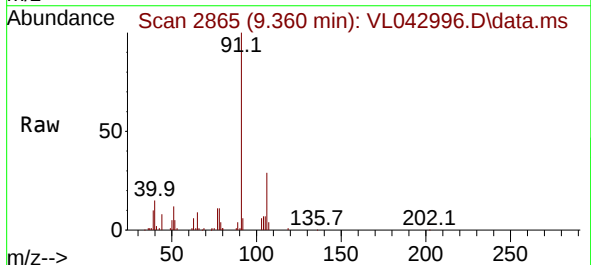
Manual Integrations
APPROVED

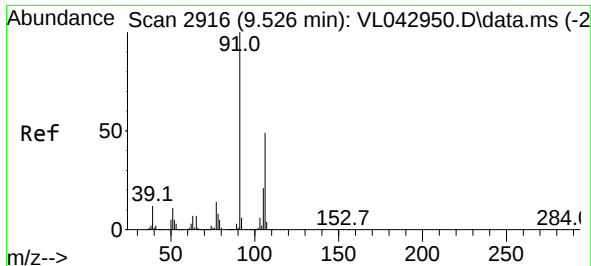
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#58
Ethyl Benzene
Concen: 0.319 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion: 91 Resp: 18907
Ion Ratio Lower Upper
91 100
106 29.5 24.6 37.0





#59

m/p-Xylene

Concen: 0.633 ppbv m

RT: 9.555 min Scan# 2916

Delta R.T. 0.029 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

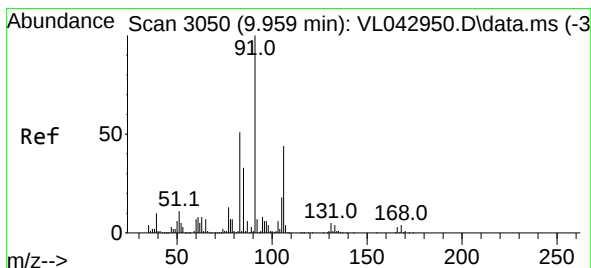
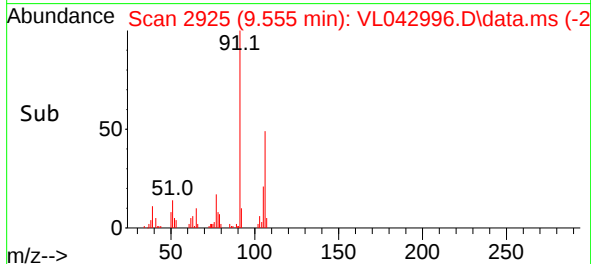
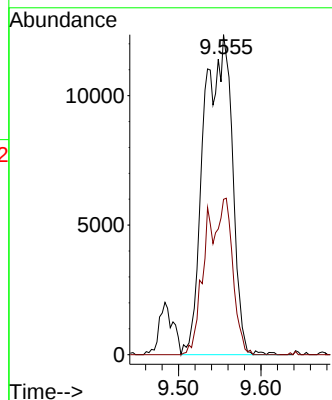
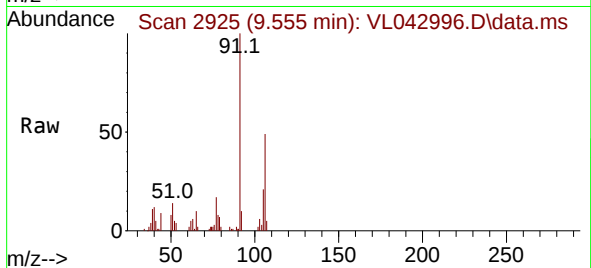
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 91 Resp: 29540
 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: 0.303 ppbv

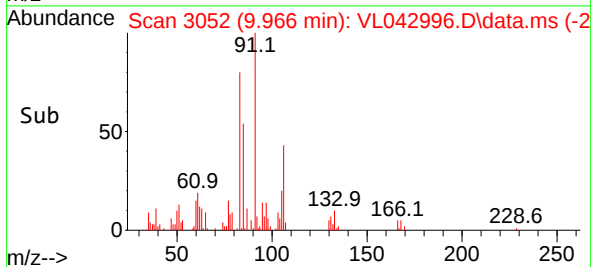
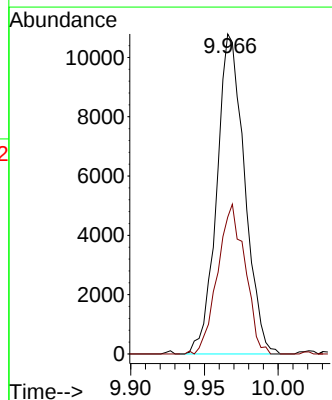
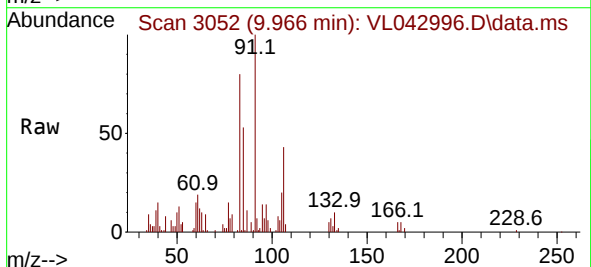
RT: 9.966 min Scan# 3052

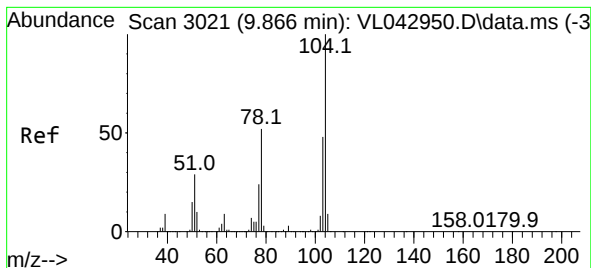
Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Tgt Ion: 91 Resp: 14150
 Ion Ratio Lower Upper
 91 100
 106 46.1 22.4 67.0





#61

Styrene

Concen: 0.272 ppbv

RT: 9.878 min Scan# 3021

Delta R.T. 0.013 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

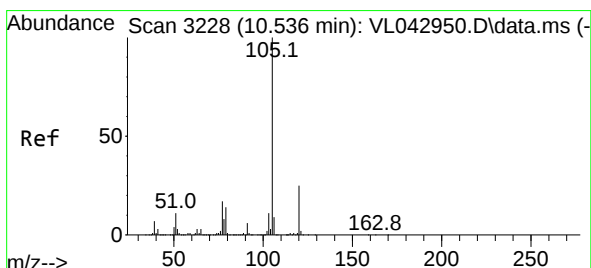
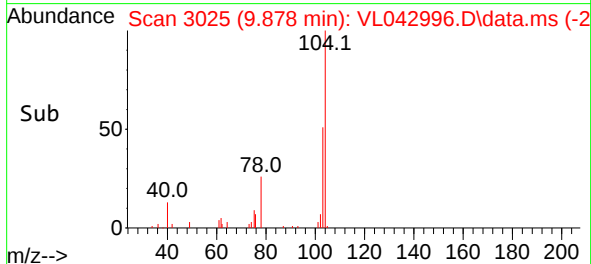
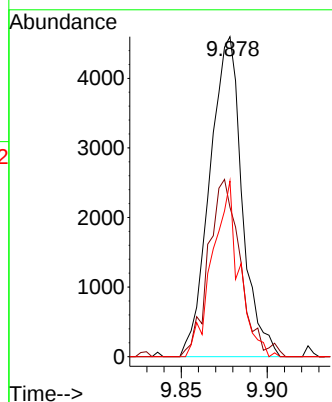
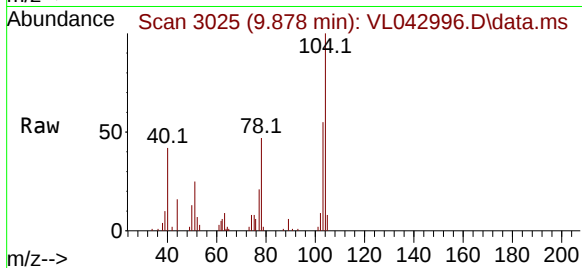
LOD-MDL-AIR-01-QT3-2025

Tgt Ion:104	Resp:	601
Ion Ratio	Lower	Upper
104	100	
78	55.0	39.9 59.9
103	45.4	36.9 55.3

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 0.343 ppbv

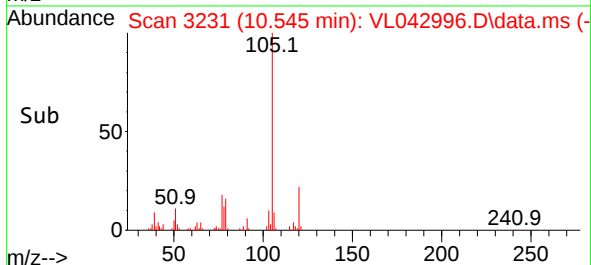
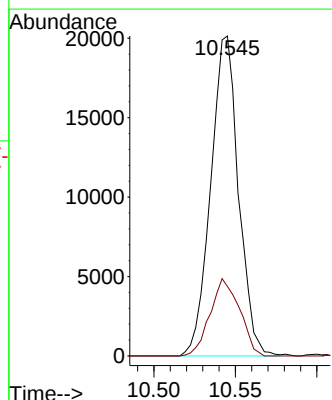
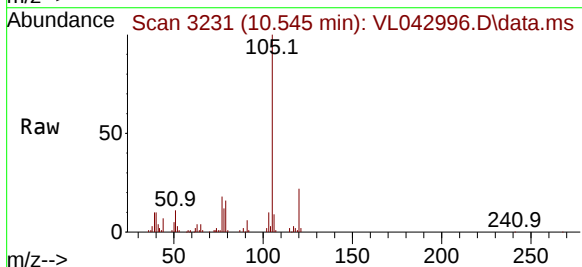
RT: 10.545 min Scan# 3231

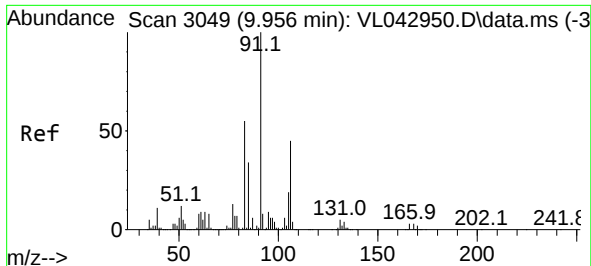
Delta R.T. 0.009 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

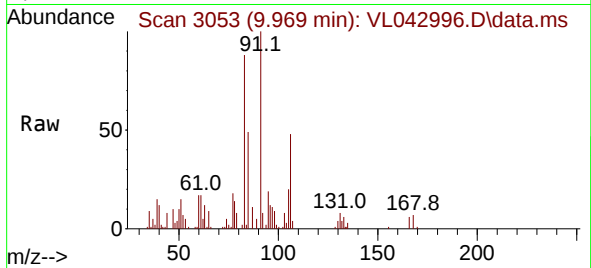
Tgt Ion:105	Resp:	23881
Ion Ratio	Lower	Upper
105	100	
120	25.6	20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.479 ppbv
RT: 9.969 min Scan# 3049
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

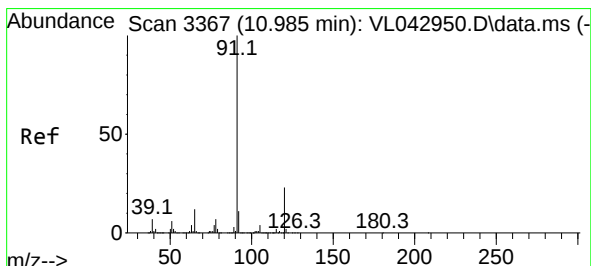
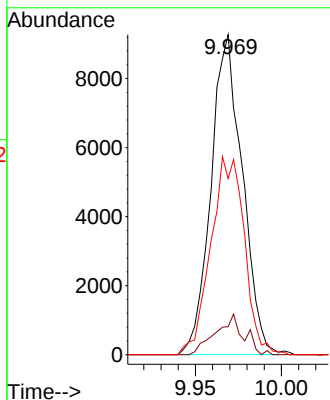
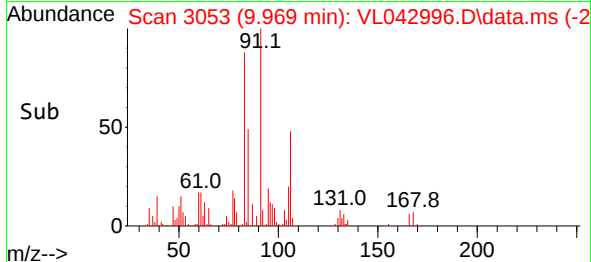
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 83 Resp: 1176
Ion Ratio Lower Upper
83 100
131 11.2 4.8 14.4
85 66.2 32.2 96.6

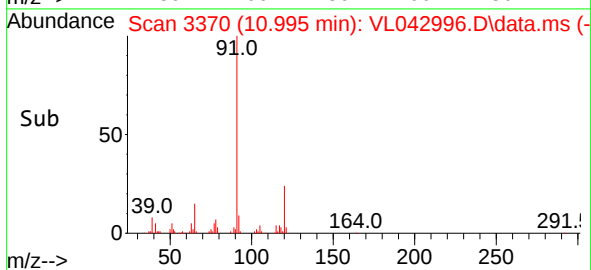
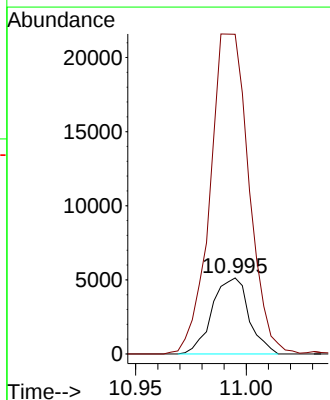
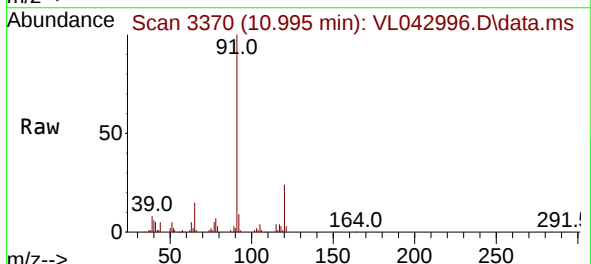
Manual Integrations
APPROVED

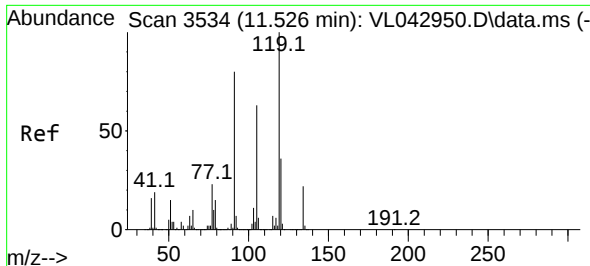
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#64
n-propylbenzene
Concen: 0.324 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:120 Resp: 5893
Ion Ratio Lower Upper
120 100
91 448.9 364.9 547.3





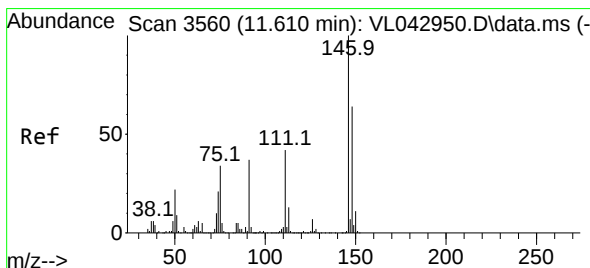
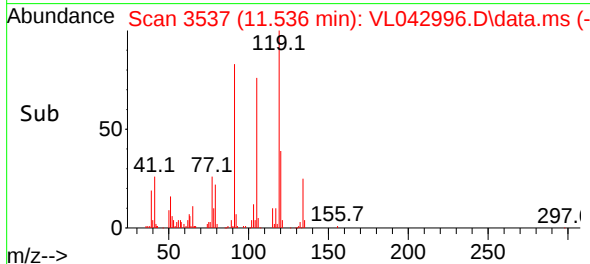
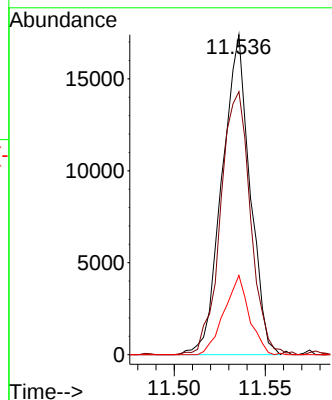
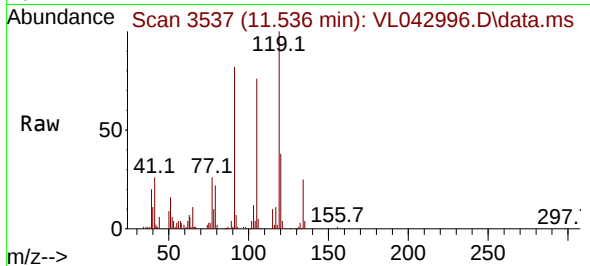
#65
tert-Butylbenzene
Concen: 0.300 ppbv
RT: 11.536 min Scan# 3534
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

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

Tgt Ion: 119 Resp: 1855
Ion Ratio Lower Upper
119 100
91 88.7 63.1 94.7
134 22.2 17.0 25.6

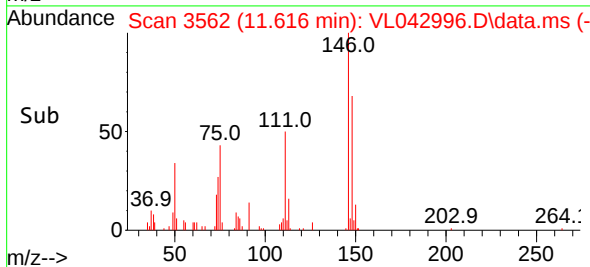
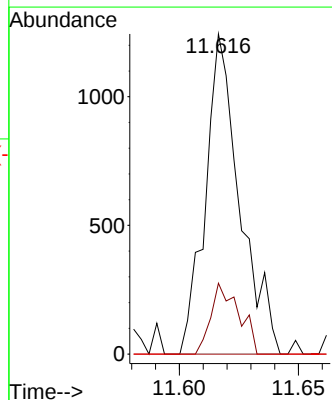
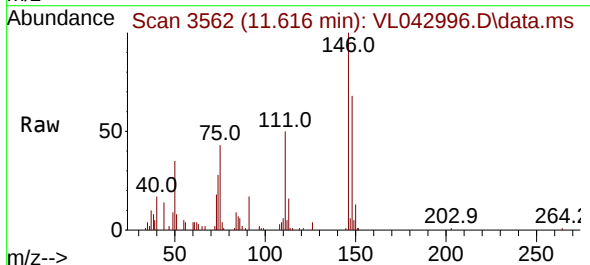
Manual Integrations
APPROVED

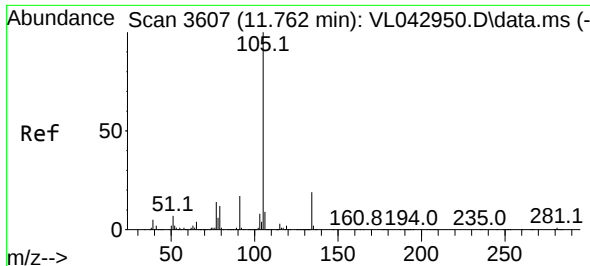
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#66
Benzyl Chloride
Concen: 0.193 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

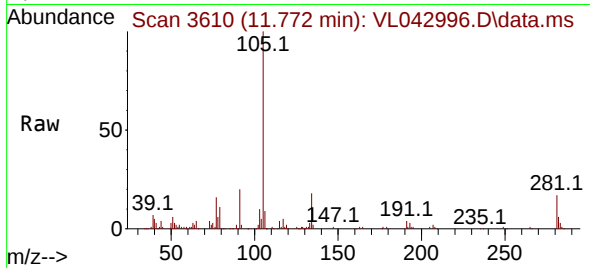
Tgt Ion: 91 Resp: 1253
Ion Ratio Lower Upper
91 100
126 18.0 14.6 21.8
128 0.0 5.0 7.4#





#67
 sec-Butylbenzene
 Concen: 0.337 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.009 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

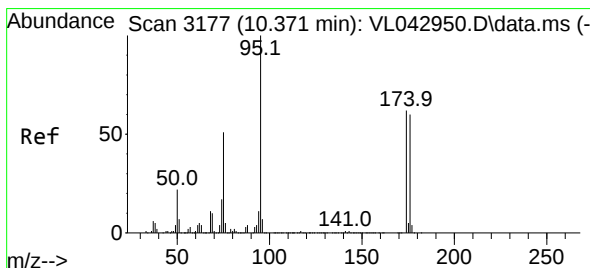
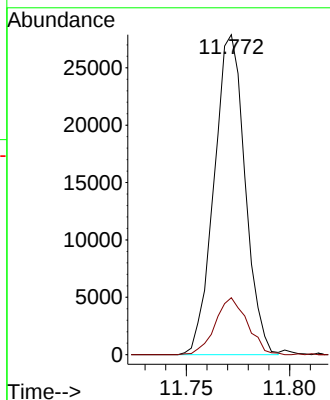
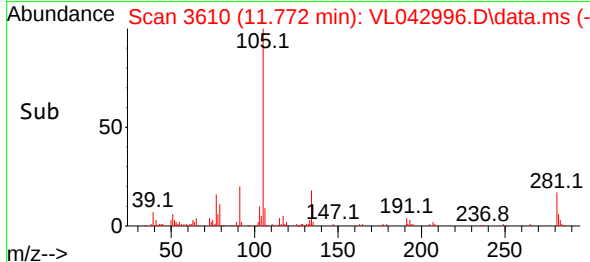
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025



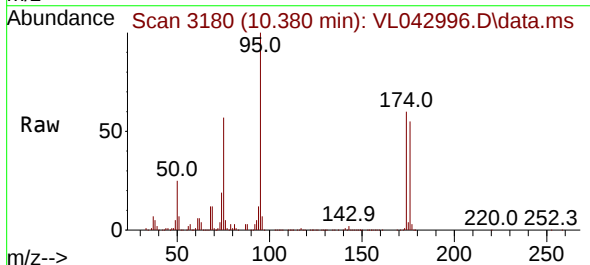
Tgt Ion: 105 Resp: 29078
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.7 23.5

Manual Integrations
 APPROVED

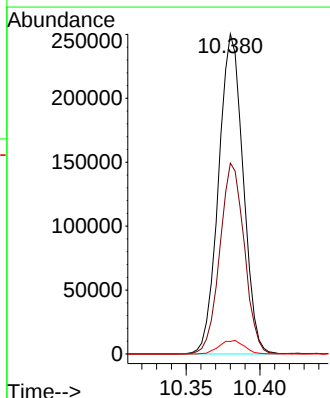
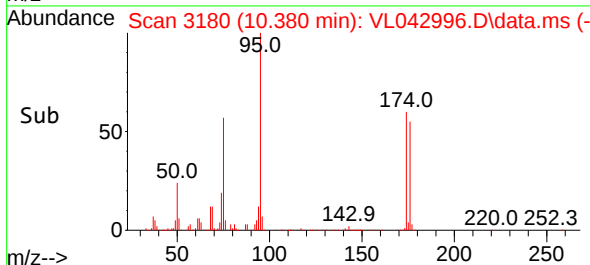
Reviewed By : Semsettin Yesilyurt 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

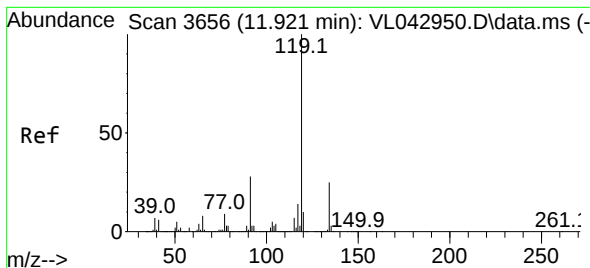


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.759 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.009 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36



Tgt Ion: 95 Resp: 289702
 Ion Ratio Lower Upper
 95 100
 174 59.6 51.4 77.2
 175 4.4 4.0 6.0





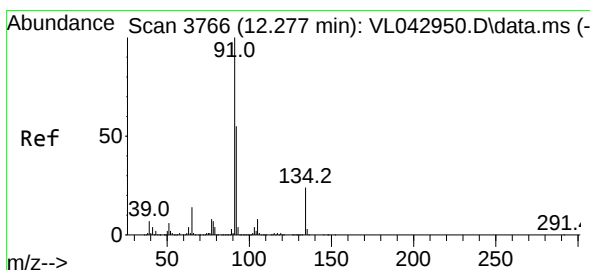
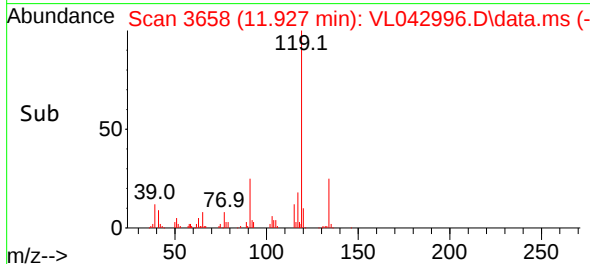
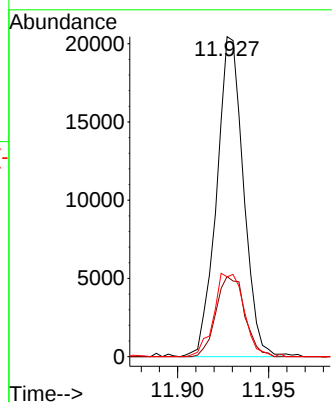
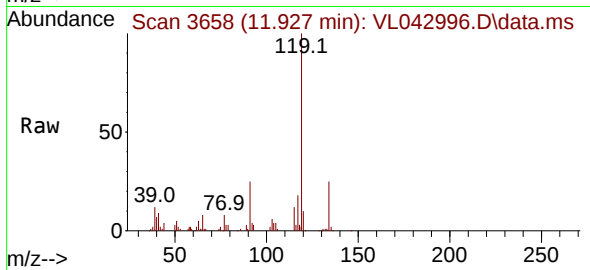
#69
p-Isopropyltoluene
Concen: 0.287 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

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

Tgt Ion: 119 Resp: 20930
Ion Ratio Lower Upper
119 100
134 26.8 21.0 31.4
91 29.2 22.3 33.5

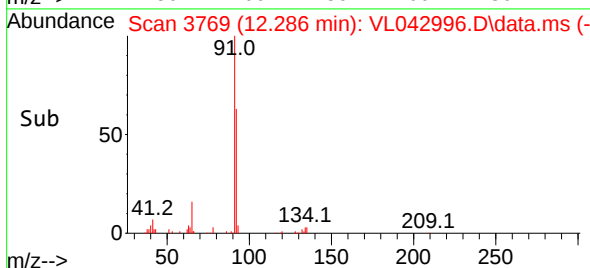
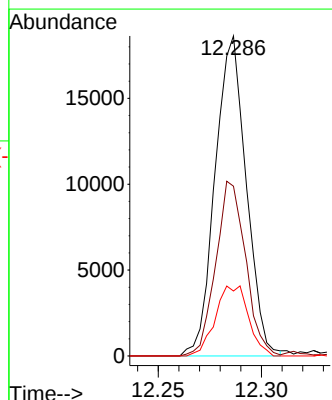
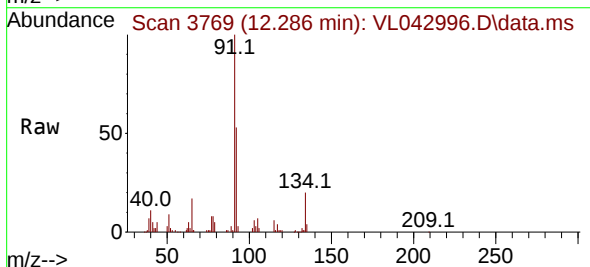
Manual Integrations
APPROVED

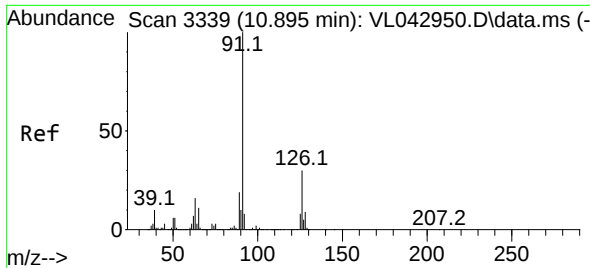
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#70
n-Butylbenzene
Concen: 0.274 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

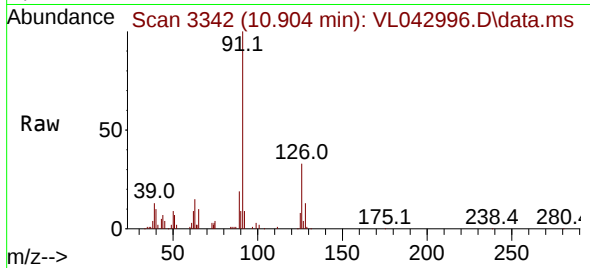
Tgt Ion: 91 Resp: 19505
Ion Ratio Lower Upper
91 100
92 53.4 44.0 66.0
134 23.4 19.4 29.2





#71
2-Chlorotoluene
Concen: 0.323 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

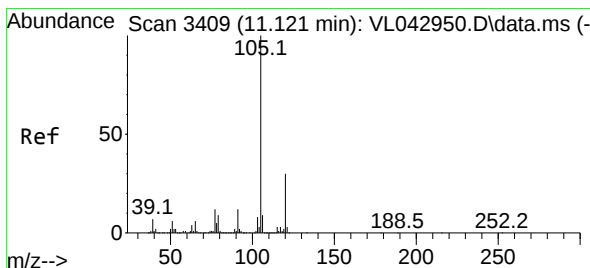
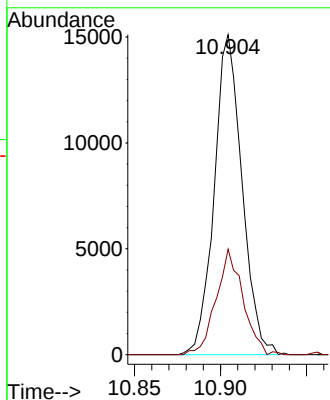
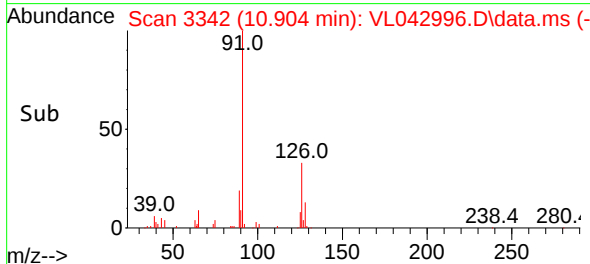
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



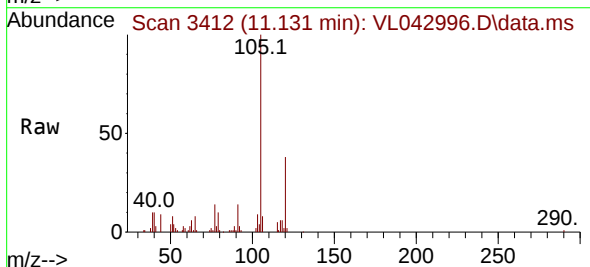
Tgt Ion: 91 Resp: 16990
Ion Ratio Lower Upper
91 100
126 32.1 12.3 49.3

Manual Integrations
APPROVED

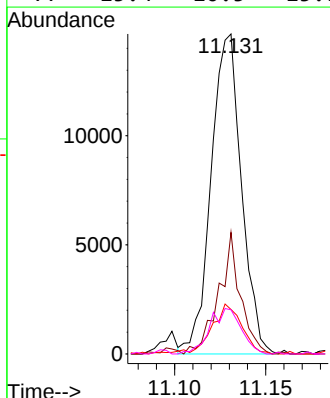
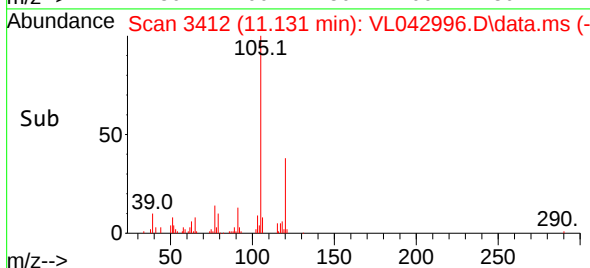
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

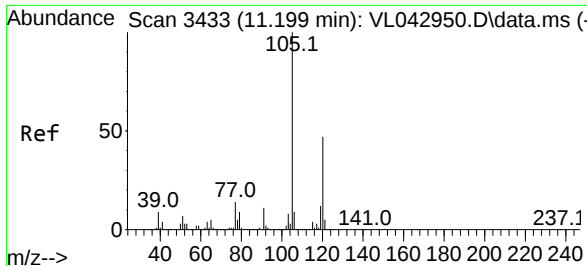


#72
4-Ethyltoluene
Concen: 0.291 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.009 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



Tgt Ion:105 Resp: 16998
Ion Ratio Lower Upper
105 100
120 28.4 24.2 36.2
91 15.8 10.0 15.0#
77 15.4 10.5 15.7





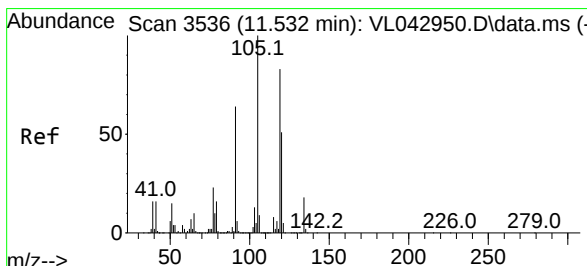
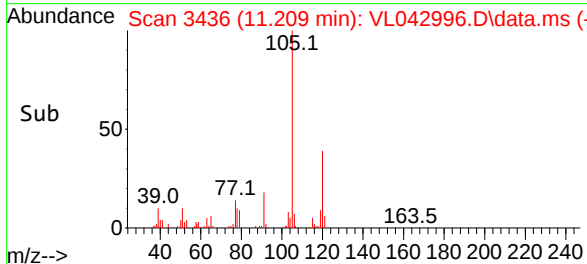
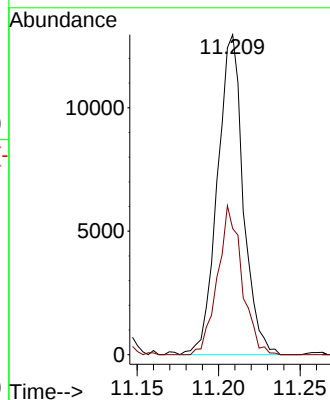
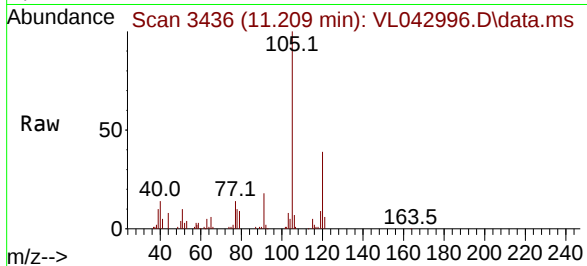
#73
1,3,5-Trimethylbenzene
Concen: 0.301 ppbv
RT: 11.209 min Scan# 3433
Delta R.T. 0.010 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

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

Tgt Ion:105 Resp: 1427
Ion Ratio Lower Upper
105 100
120 39.4 38.0 57.0

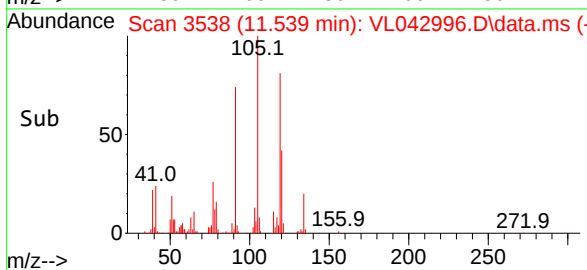
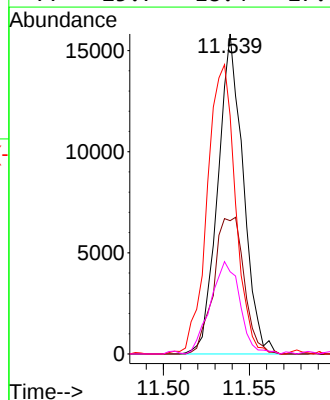
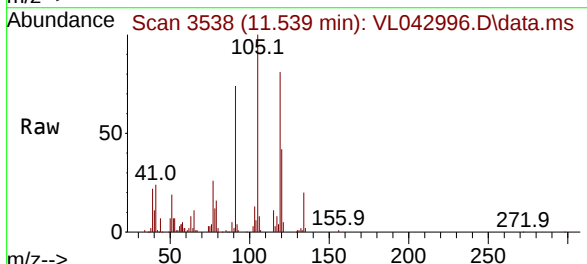
Manual Integrations
APPROVED

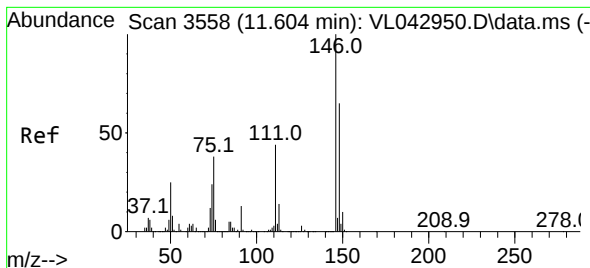
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.310 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

Tgt Ion:105 Resp: 16227
Ion Ratio Lower Upper
105 100
120 41.6 40.9 61.3
91 74.5 51.2 76.8
77 25.7 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 0.378 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

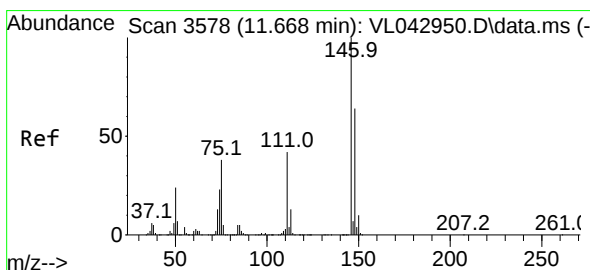
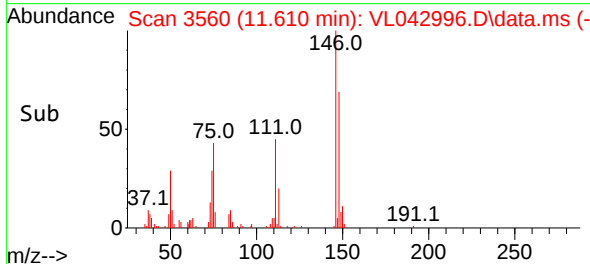
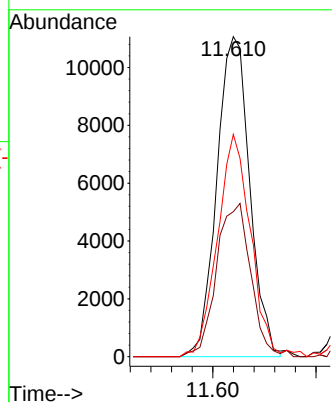
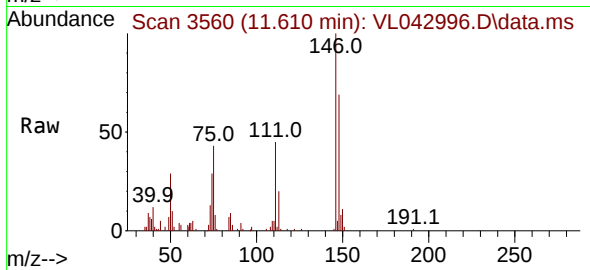
LOD-MDL-AIR-01-QT3-2025

Tgt Ion:	146	Resp:	1226
Ion Ratio	Lower	Upper	
146	100		
111	49.7	22.3	66.9
148	70.0	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: 0.363 ppbv

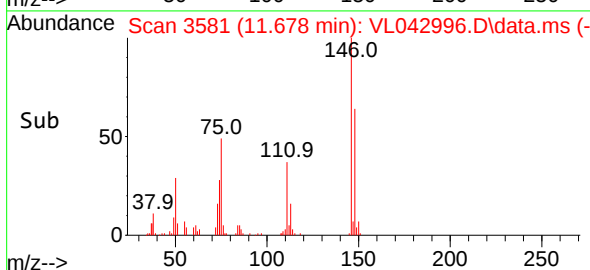
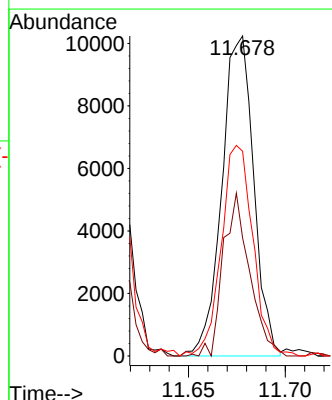
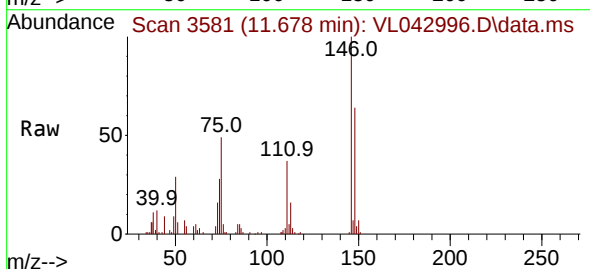
RT: 11.678 min Scan# 3581

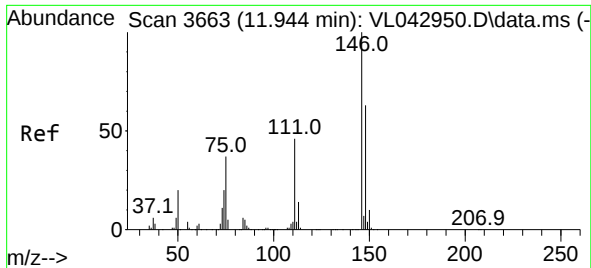
Delta R.T. 0.009 min

Lab File: VL042996.D

Acq: 23 Sep 2025 17:36

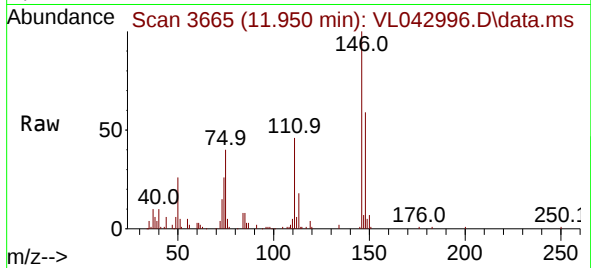
Tgt Ion:	146	Resp:	11712
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.5	64.5
148	65.2	31.9	95.5





#77
1,2-Dichlorobenzene
Concen: 0.420 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

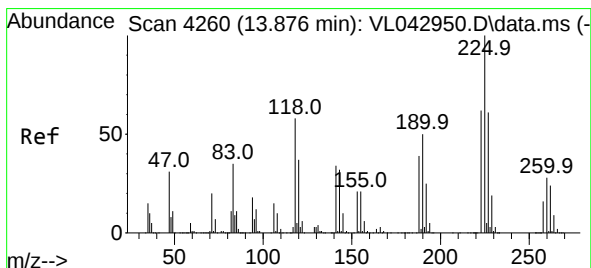
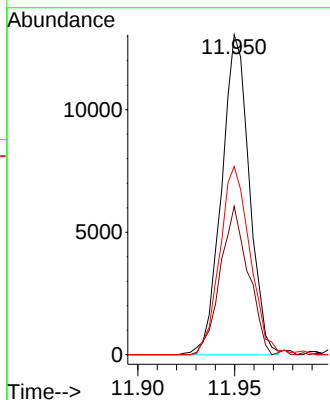
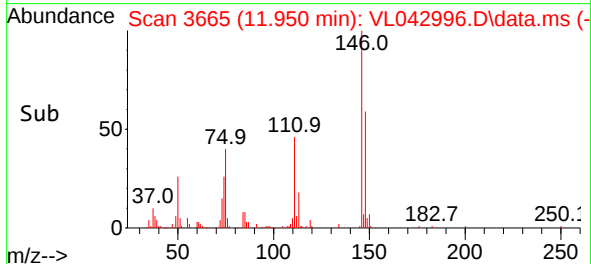
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



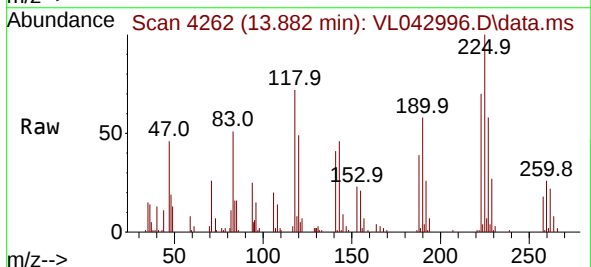
Tgt Ion:146 Resp: 1296
Ion Ratio Lower Upper
146 100
111 47.8 23.1 69.3
148 64.8 32.0 96.0

Manual Integrations
APPROVED

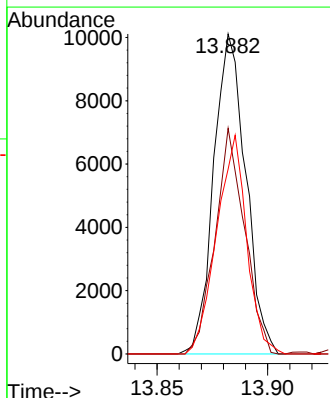
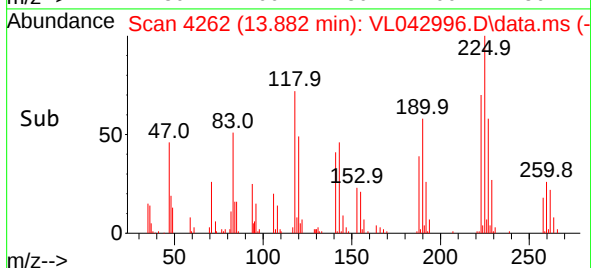
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

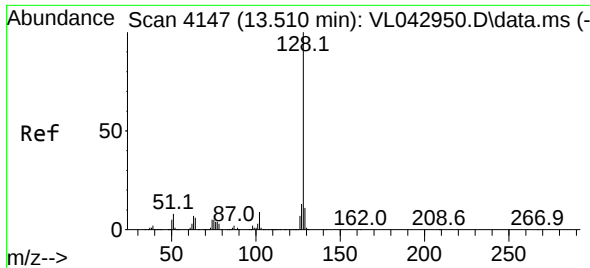


#78
Hexachloro-1,3-Butadiene
Concen: 0.421 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.006 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



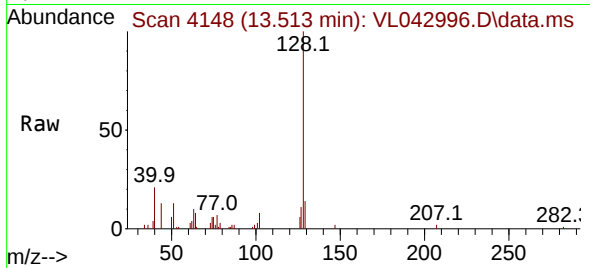
Tgt Ion:225 Resp: 10168
Ion Ratio Lower Upper
225 100
223 66.0 50.1 75.1
227 64.3 50.4 75.6





#79
Naphthalene
Concen: 0.165 ppbv
RT: 13.513 min Scan# 4147
Delta R.T. 0.003 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36

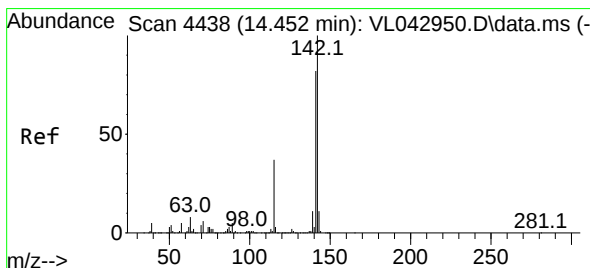
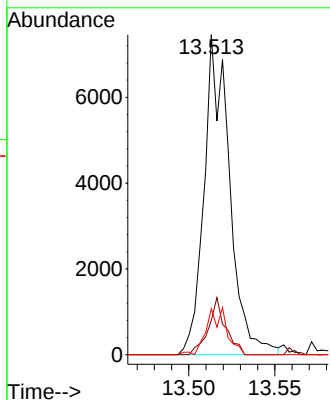
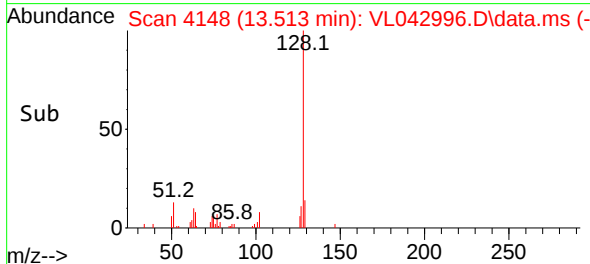
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



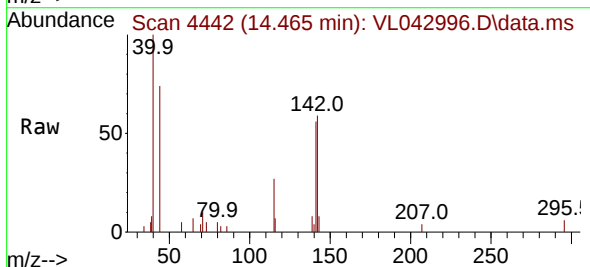
Tgt Ion:128 Resp: 7659
Ion Ratio Lower Upper
128 100
127 10.7 10.6 15.8
129 14.3 9.0 13.6

Manual Integrations
APPROVED

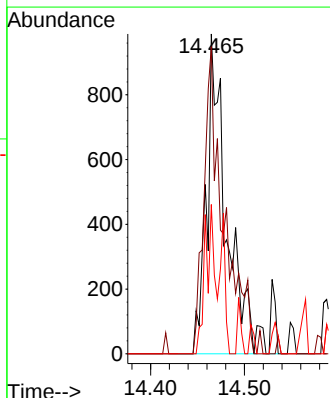
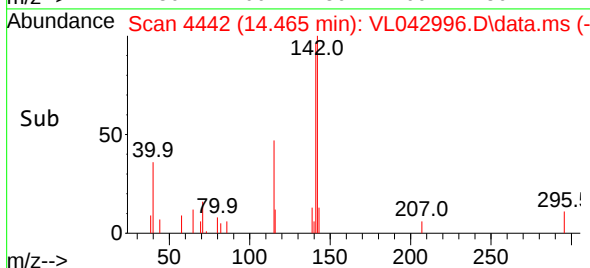
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

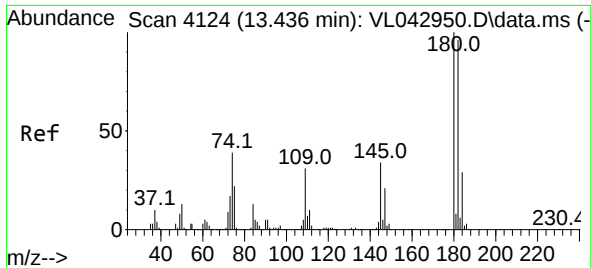


#80
Naphthalene,2-methyl-
Concen: 0.107 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.013 min
Lab File: VL042996.D
Acq: 23 Sep 2025 17:36



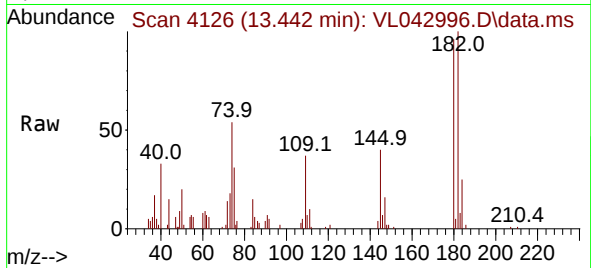
Tgt Ion:142 Resp: 1530
Ion Ratio Lower Upper
142 100
141 91.4 65.1 97.7
115 36.1 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.186 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042996.D
 Acq: 23 Sep 2025 17:36

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



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
184	29.5	23.9	35.9

Manual Integrations
 APPROVED

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

