

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042609.D
 Acq On : 03 Jun 2025 14:07
 Operator : SY/MD
 Sample : Q2126-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:50:45 2025

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

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

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

Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.784	49	100090	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	270695	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	238536	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 184010 10.291 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	5309	0.432	ppbv	94
3) Chlorodifluoromethane	1.473	51	7944	0.469	ppbv	95
4) Chloromethane	1.531	50	2167	0.445	ppbv	94
5) Vinyl Chloride	1.576	62	2127	0.429	ppbv	92
6) Bromomethane	1.667	94	1111	0.460	ppbv	96
7) Chloroethane	1.703	64	851	0.441	ppbv #	85
8) Dichlorotetrafluoroethane	1.550	85	4547	0.444	ppbv	99
9) Propene	1.483	41	2699	0.396	ppbv #	75
10) Heptane	4.975	43	6927m	0.360	ppbv	
11) Trichlorofluoromethane	1.874	101	5211	0.455	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.136	101	3862	0.430	ppbv	100
13) Ethanol	1.719	45	493	0.606	ppbv #	47
14) Bromoethene	1.777	108	1693	0.501	ppbv #	78
15) Acetone	1.832	43	6264	0.520	ppbv	94
16) 1,3-Butadiene	1.605	39	2741m	0.480	ppbv	
17) tert-Butyl alcohol	2.042	59	5028	0.400	ppbv #	94
18) 1,1-Dichloroethene	2.030	96	1821	0.437	ppbv #	81
19) Isopropyl Alcohol	1.887	45	3454	0.479	ppbv #	42
20) Methylene Chloride	2.059	84	2591	0.651	ppbv	90
21) Allyl Chloride	2.094	41	3400	0.400	ppbv	88
22) trans-1,2-Dichloroethene	2.340	96	2198m	0.472	ppbv	
23) Vinyl Acetate	2.460	43	6275	0.385	ppbv #	94
24) 1,1-Dichloroethane	2.405	63	4171	0.436	ppbv #	91
25) Ethyl Acetate	2.839	43	12852	0.390	ppbv	97
26) Hexane	2.822	57	5653	0.377	ppbv	93
27) Carbon Disulfide	2.146	76	4609	0.400	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	2518	0.414	ppbv	93
29) Chloroform	2.845	83	8849	0.454	ppbv	100
30) Cyclohexane	3.855	84	4209m	0.339	ppbv	
31) cis-1,2-Dichloroethene	2.716	61	5807	0.423	ppbv #	82
32) 1,1,1-Trichloroethane	3.366	97	8081	0.406	ppbv	93
34) 2-Butanone	2.560	43	9808	0.508	ppbv	100
35) Carbon Tetrachloride	3.764	117	8316m	0.465	ppbv	
36) Benzene	3.651	78	11914	0.447	ppbv	97
37) 1,2-Dichloroethane	3.217	62	6616	0.499	ppbv	97
38) Trichloroethene	4.544	130	4944m	0.436	ppbv	
39) 1,2-Dichloropropane	4.311	63	4768	0.484	ppbv	95
40) 1,4-Dioxane	4.606	88	2047m	0.464	ppbv	
41) Tetrahydrofuran	3.059	42	4377	0.387	ppbv	99
42) Bromodichloromethane	4.483	83	8684	0.462	ppbv #	96
43) Methyl Methacrylate	4.884	69	3913m	0.378	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	18627m	0.409	ppbv	
45) t-1,3-Dichloropropene	6.418	75	4399m	0.372	ppbv	

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:50:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

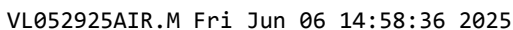
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

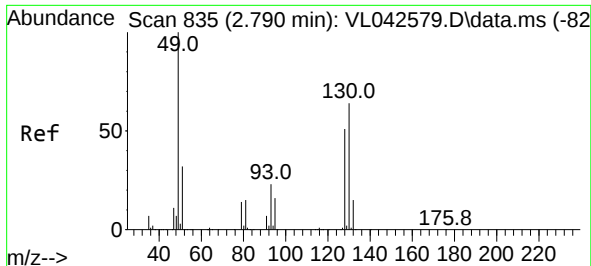
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	5649m	0.381	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	5034m	0.493	ppbv	
48) Dibromochloromethane	7.386	129	6948m	0.425	ppbv	
49) Bromoform	9.477	173	5435	0.386	ppbv	97
50) 4-Methyl-2-Pentanone	5.768	43	10754m	0.402	ppbv	
51) 2-Hexanone	7.444	43	7357m	0.346	ppbv	
52) Tetrachloroethene	8.224	164	4198	0.421	ppbv	91
53) Toluene	6.933	91	11057	0.359	ppbv	95
54) 1,2-Dibromoethane	7.658	107	6603m	0.437	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.924	131	5241	0.437	ppbv #	1
57) Chlorobenzene	8.917	112	11253	0.486	ppbv	96
58) Ethyl Benzene	9.354	91	14945	0.369	ppbv	95
59) m/p-Xylene	9.545	91	23524m	0.739	ppbv	
60) o-Xylene	9.959	91	11857	0.373	ppbv	99
61) Styrene	9.872	104	4746	0.316	ppbv	97
62) Isopropylbenzene	10.539	105	17943	0.382	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	9192	0.455	ppbv	96
64) n-propylbenzene	10.989	120	4433	0.352	ppbv	88
65) tert-Butylbenzene	11.529	119	15637	0.367	ppbv	95
66) Benzyl Chloride	11.610	91	1598	0.292	ppbv #	93
67) sec-Butylbenzene	11.765	105	22837	0.382	ppbv	100
69) p-Isopropyltoluene	11.924	119	18086	0.361	ppbv	95
70) n-Butylbenzene	12.280	91	17215	0.348	ppbv	94
71) 2-Chlorotoluene	10.898	91	13302	0.372	ppbv	98
72) 4-Ethyltoluene	11.121	105	14333	0.362	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.199	105	11684	0.357	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.536	105	14197	0.390	ppbv #	92
75) 1,3-Dichlorobenzene	11.603	146	9710	0.425	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	9652	0.424	ppbv	96
77) 1,2-Dichlorobenzene	11.947	146	10515	0.474	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	8870	0.484	ppbv	99
79) Naphthalene	13.513	128	8783	0.256	ppbv	96
80) Naphthalene,2-methyl-	14.465	142	1437	0.093	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	4869	0.254	ppbv	96

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

Manual Integrations

Quant Time: Jun 04 01:50:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration





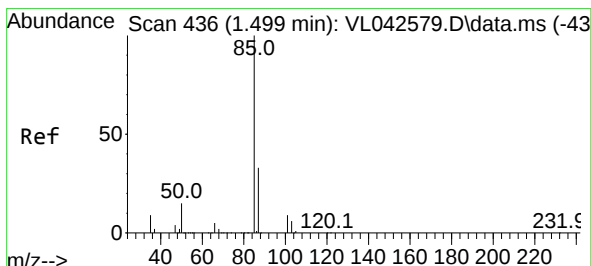
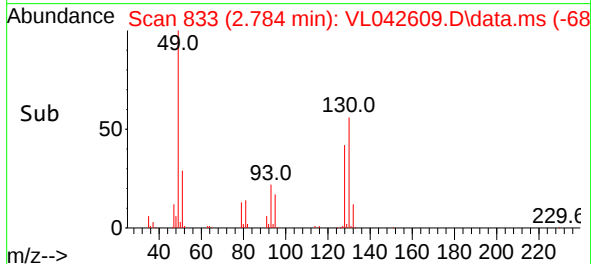
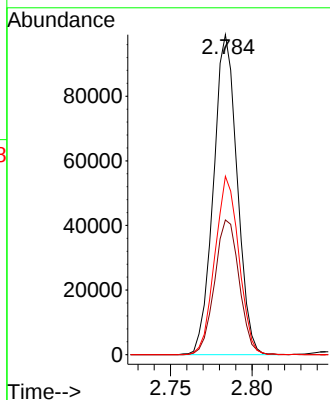
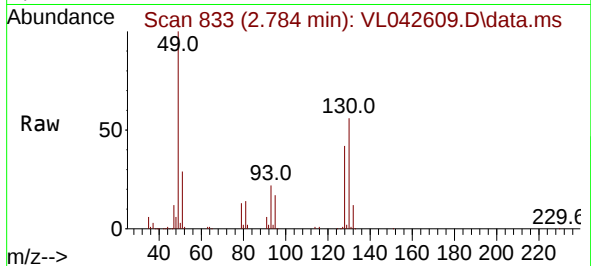
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 835
Delta R.T. -0.006 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 49 Resp: 100090
Ion Ratio Lower Upper
49 100
128 43.7 24.2 72.6
130 56.3 30.4 91.2

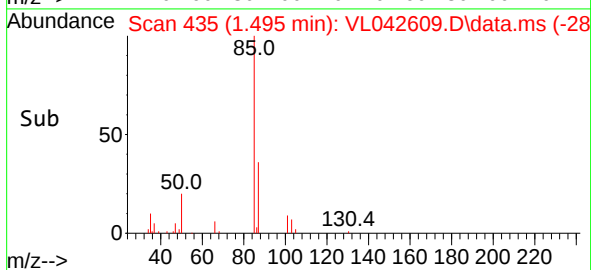
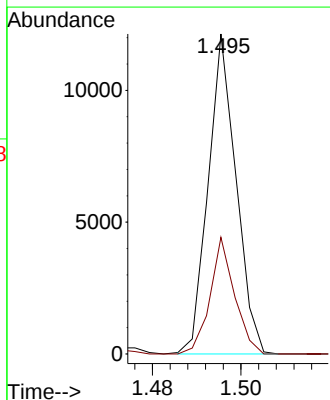
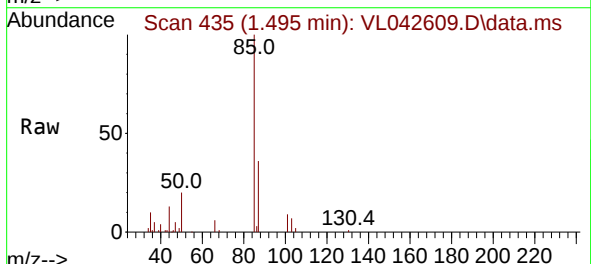
Manual Integrations
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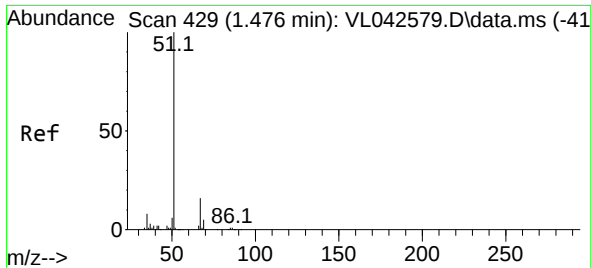
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#2
Dichlorodifluoromethane
Concen: 0.432 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 85 Resp: 5309
Ion Ratio Lower Upper
85 100
87 36.4 26.6 39.8





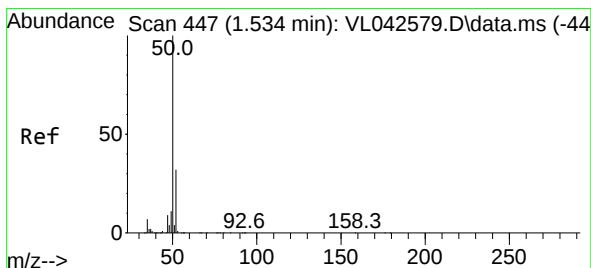
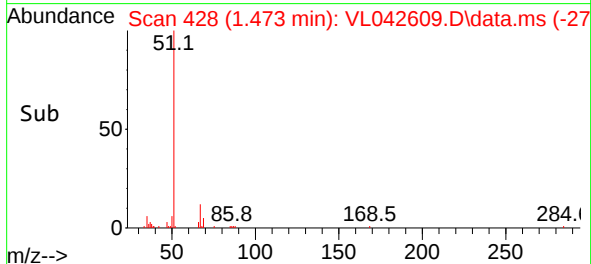
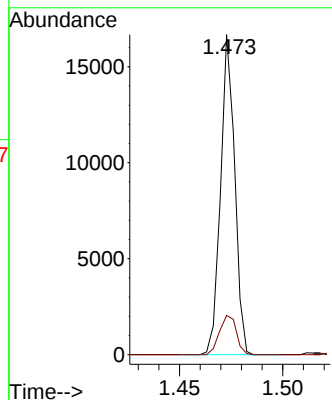
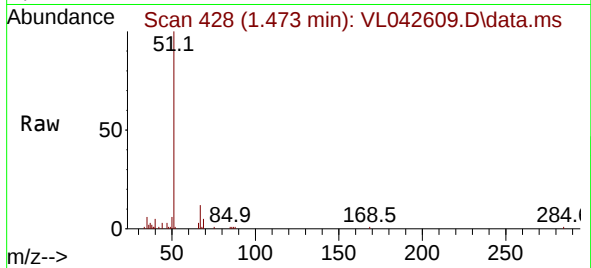
#3
Chlorodifluoromethane
Concen: 0.469 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 51 Resp: 7944
Ion Ratio Lower Upper
51 100
67 14.6 13.4 20.2

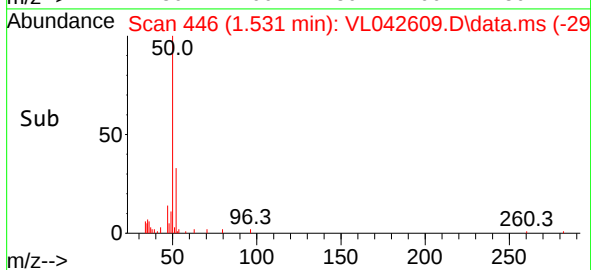
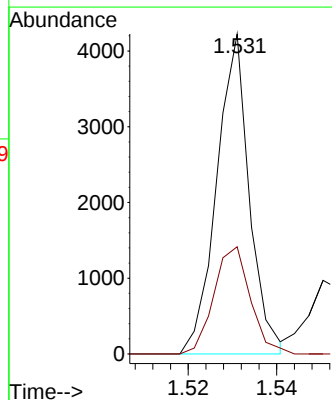
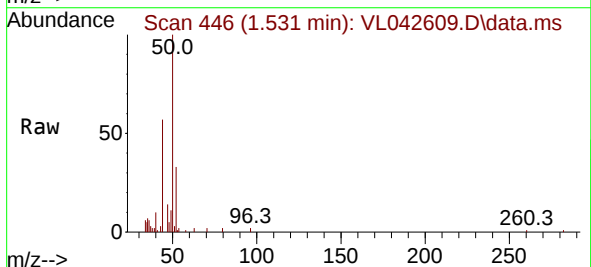
Manual Integrations
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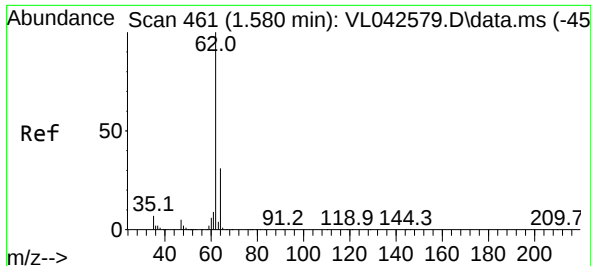
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#4
Chloromethane
Concen: 0.445 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

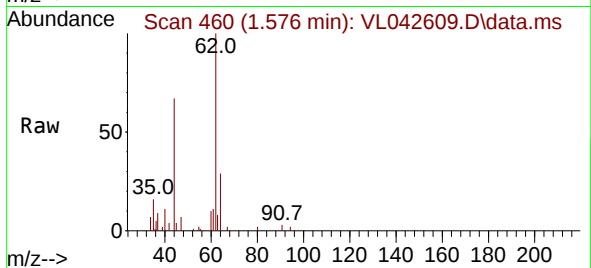
Tgt Ion: 50 Resp: 2167
Ion Ratio Lower Upper
50 100
52 35.4 25.8 38.6





#5
 Vinyl Chloride
 Concen: 0.429 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

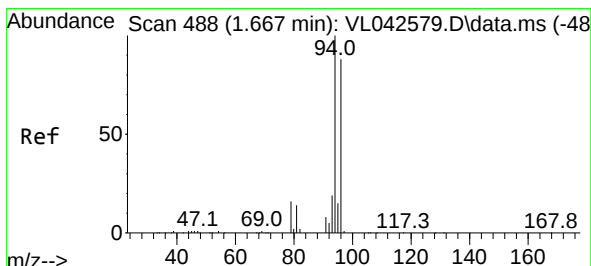
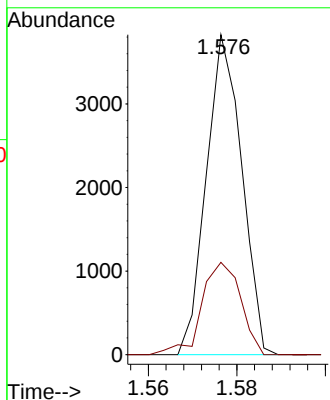
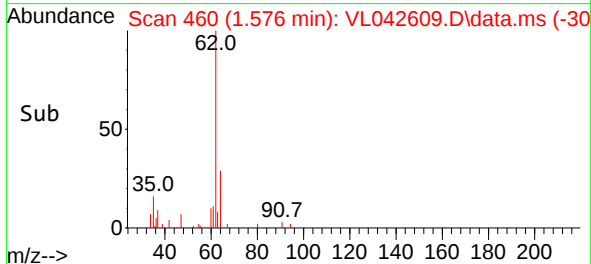
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 62 Resp: 212
 Ion Ratio Lower Upper
 62 100
 64 26.8 24.9 37.3

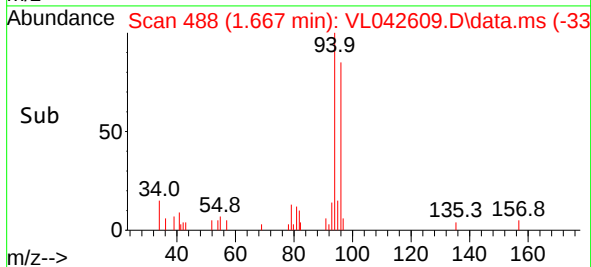
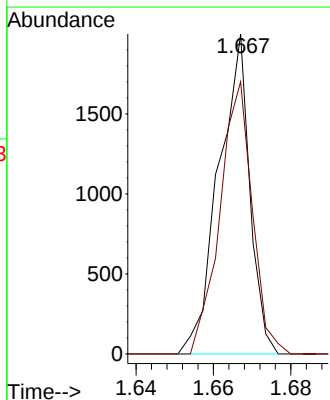
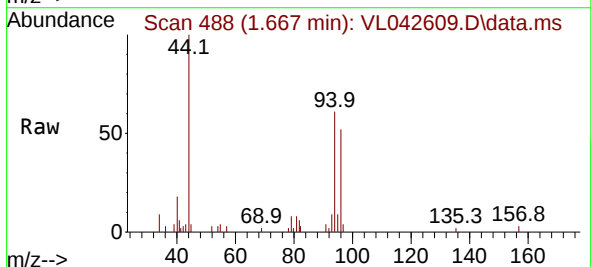
Manual Integrations
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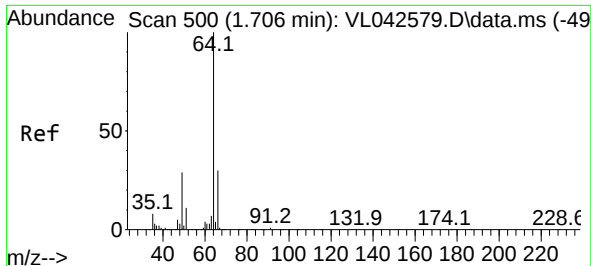
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#6
 Bromomethane
 Concen: 0.460 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

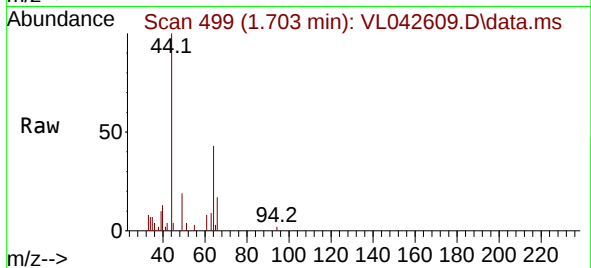
Tgt Ion: 94 Resp: 1111
 Ion Ratio Lower Upper
 94 100
 96 85.0 70.7 106.1





#7
Chloroethane
Concen: 0.441 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

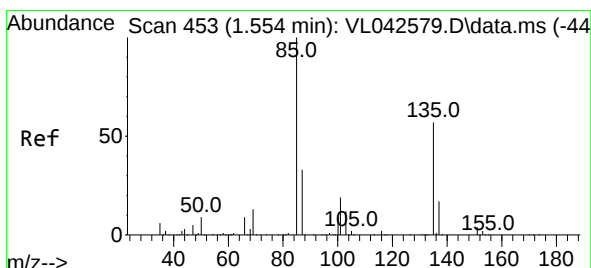
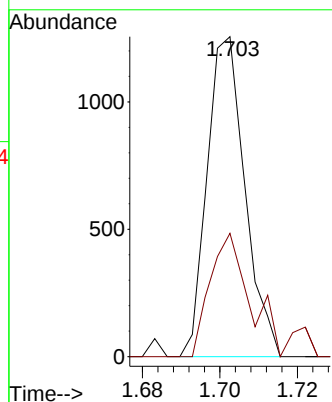
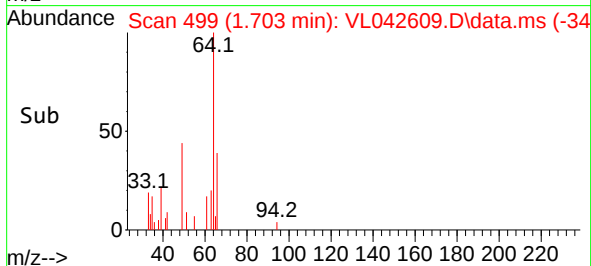
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 64 Resp: 85
Ion Ratio Lower Upper
64 100
66 38.5 24.3 36.5

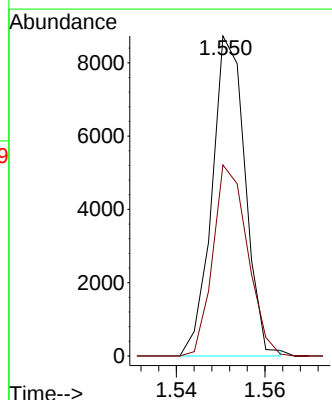
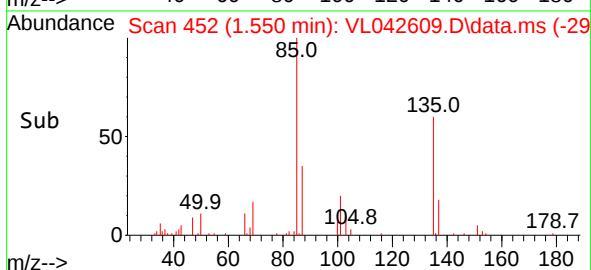
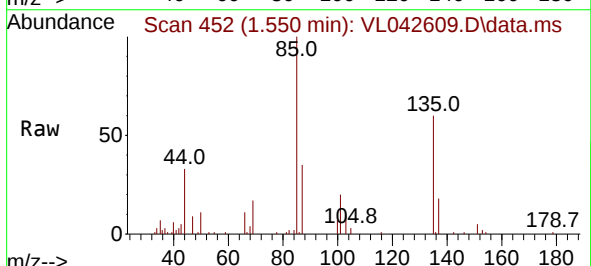
Manual Integrations
APPROVED

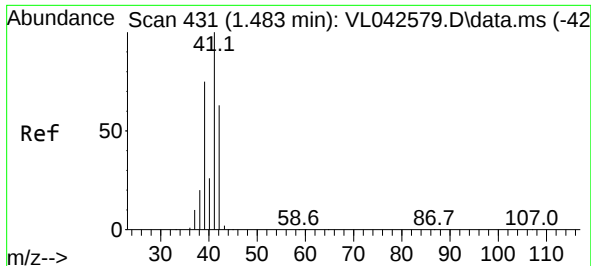
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#8
Dichlorotetrafluoroethane
Concen: 0.444 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 85 Resp: 4547
Ion Ratio Lower Upper
85 100
135 62.3 50.2 75.4





#9

Propene

Concen: 0.396 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

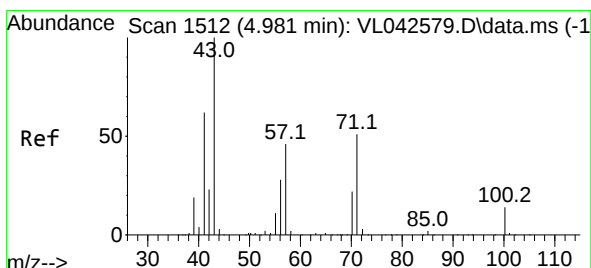
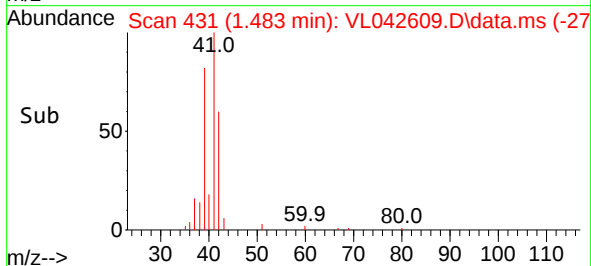
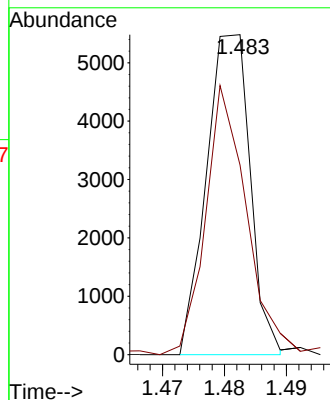
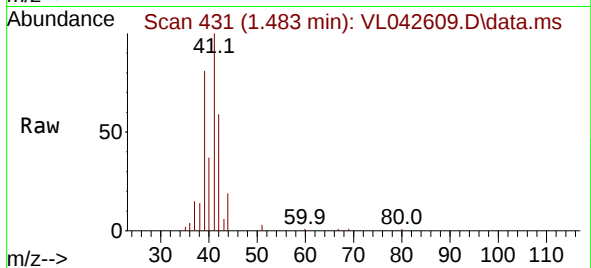
ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 41 Resp: 2699
 Ion Ratio Lower Upper
 41 100
 42 87.0 53.3 79.9

Manual Integrations
 APPROVED

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



#10

Heptane

Concen: 0.360 ppbv m

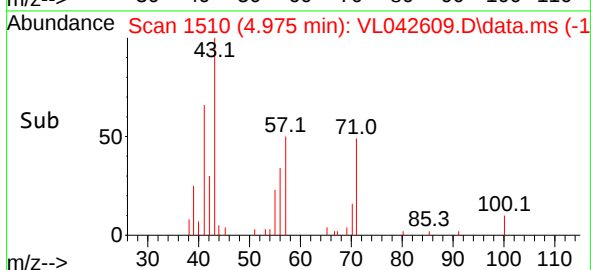
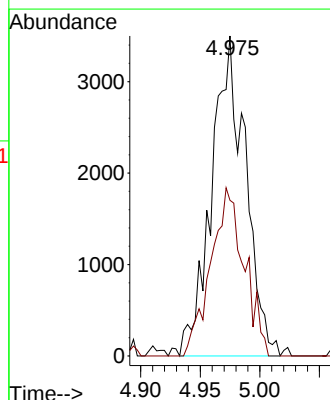
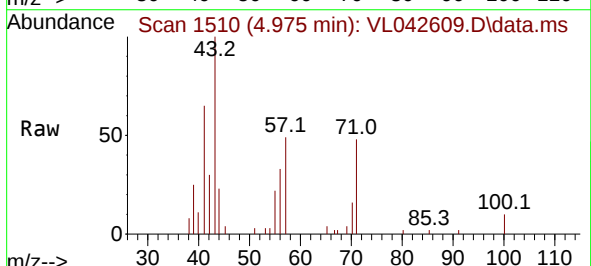
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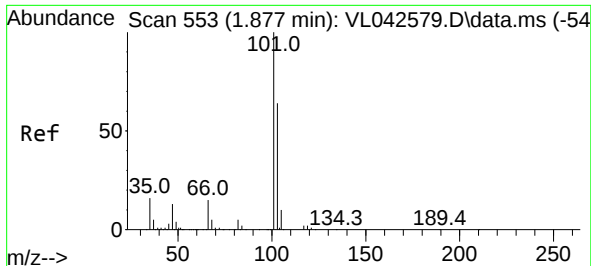
Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

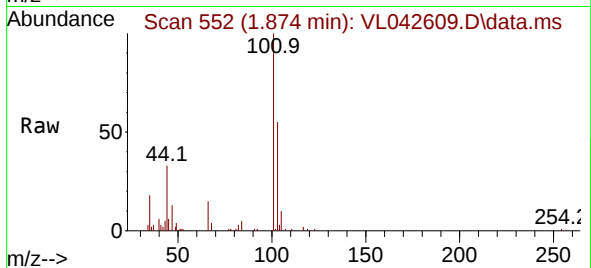
Tgt Ion: 43 Resp: 6927
 Ion Ratio Lower Upper
 43 100
 57 51.7 38.9 58.3





#11
 Trichlorofluoromethane
 Concen: 0.455 ppbv
 RT: 1.874 min Scan# 553
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

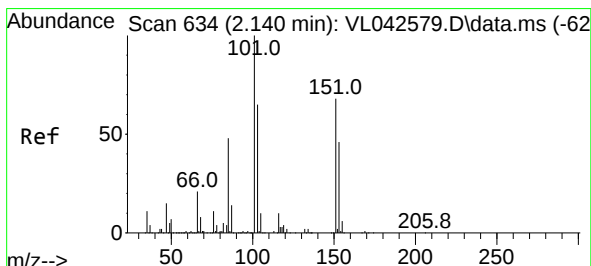
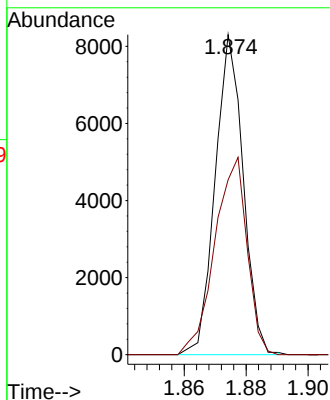
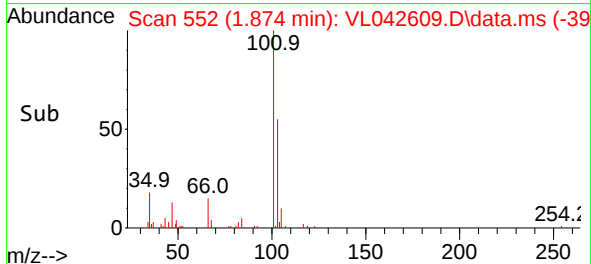
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025



Tgt Ion:101 Resp: 521
 Ion Ratio Lower Upper
 101 100
 103 54.7 51.5 77.3

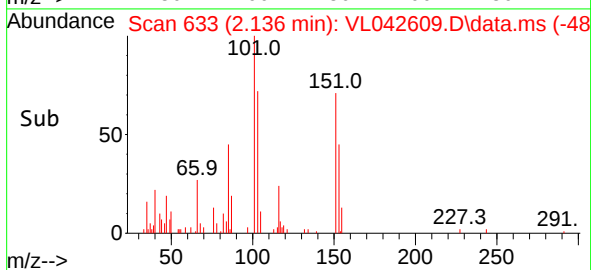
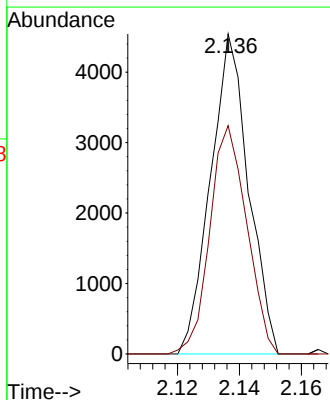
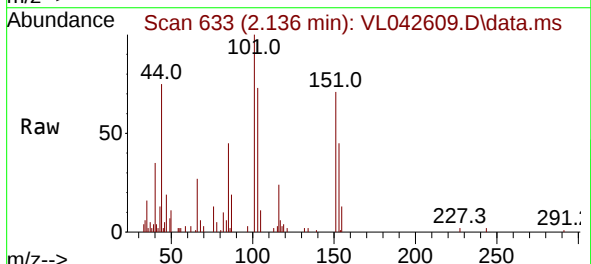
Manual Integrations
 APPROVED

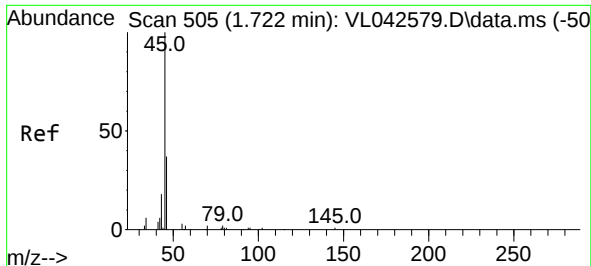
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.430 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion:101 Resp: 3862
 Ion Ratio Lower Upper
 101 100
 151 69.3 55.3 82.9





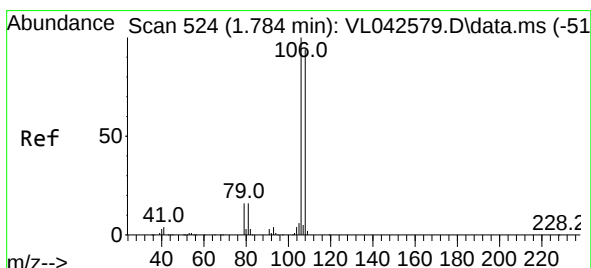
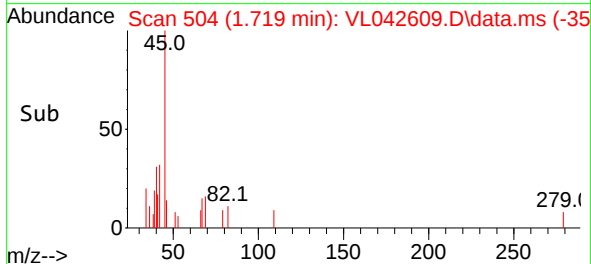
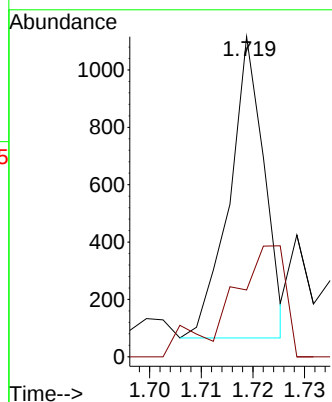
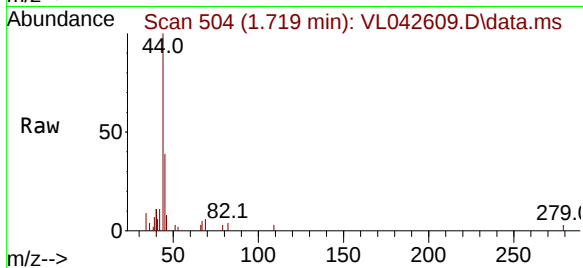
#13
Ethanol
Concen: 0.606 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 45 Resp: 493
Ion Ratio Lower Upper
45 100
46 67.7 14.5 58.1

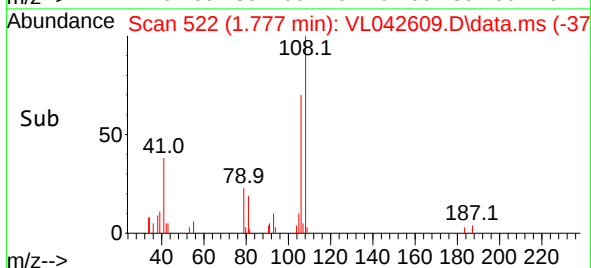
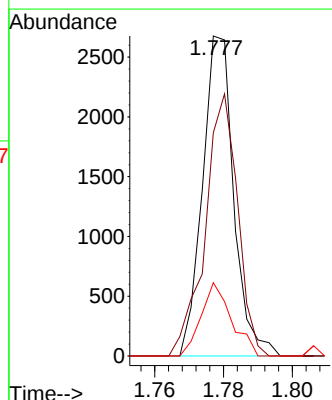
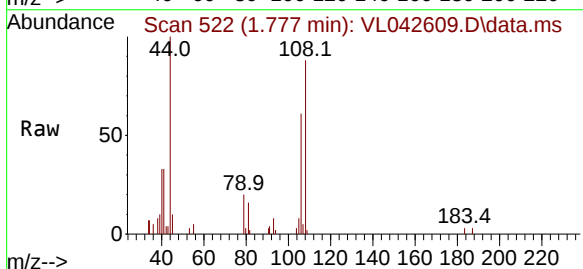
Manual Integrations
APPROVED

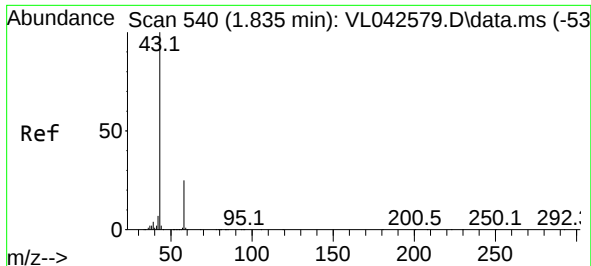
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#14
Bromoethene
Concen: 0.501 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

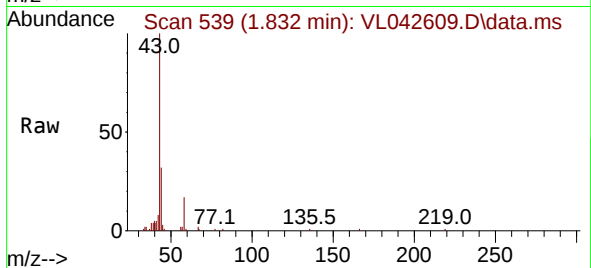
Tgt Ion:108 Resp: 1693
Ion Ratio Lower Upper
108 100
106 84.9 87.9 131.9#
79 24.2 15.6 23.4#





#15
Acetone
Concen: 0.520 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

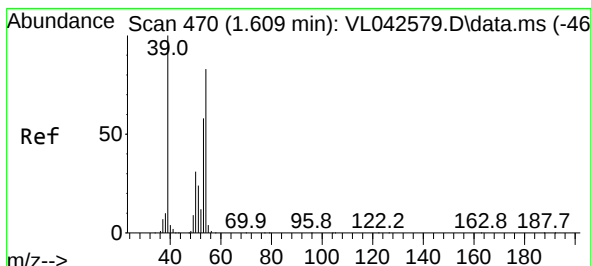
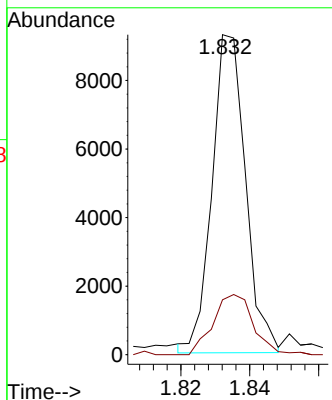
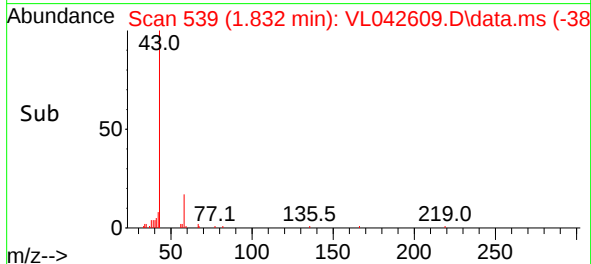
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 43 Resp: 6264
Ion Ratio Lower Upper
43 100
58 23.2 21.0 31.4

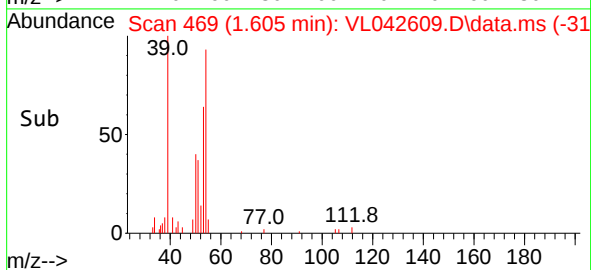
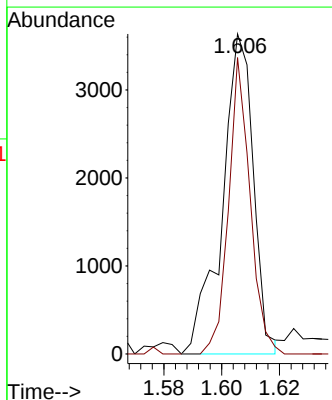
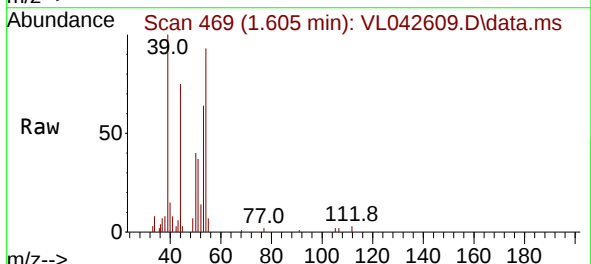
Manual Integrations
APPROVED

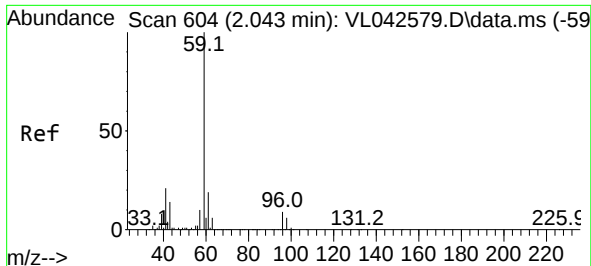
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#16
1,3-Butadiene
Concen: 0.480 ppbv m
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

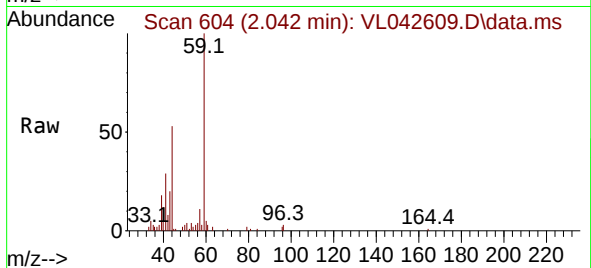
Tgt Ion: 39 Resp: 2741
Ion Ratio Lower Upper
39 100
54 63.5 57.9 86.9





#17
tert-Butyl alcohol
Concen: 0.400 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

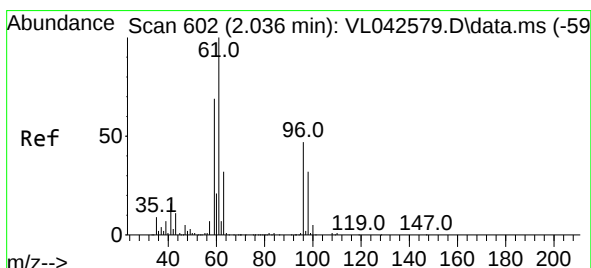
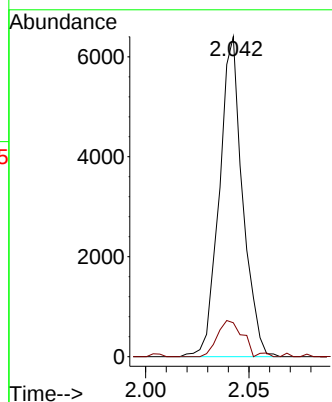
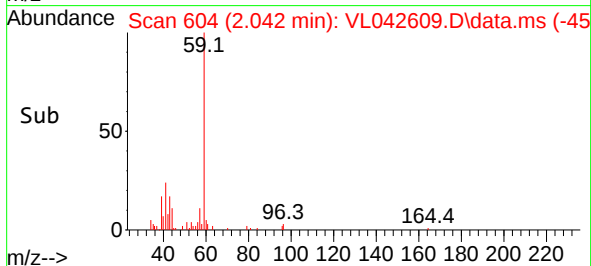
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



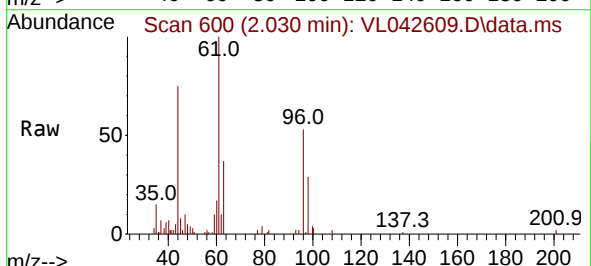
Tgt Ion: 59 Resp: 5028
Ion Ratio Lower Upper
59 100
57 13.0 8.6 12.8

Manual Integrations APPROVED

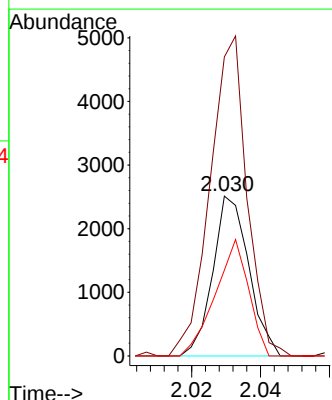
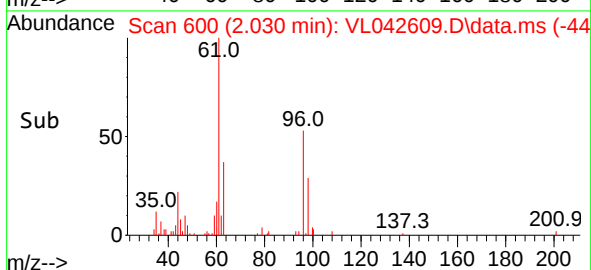
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

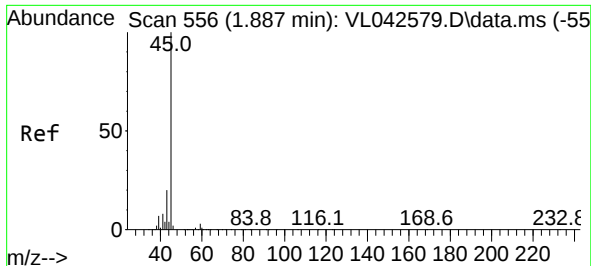


#18
1,1-Dichloroethene
Concen: 0.437 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07



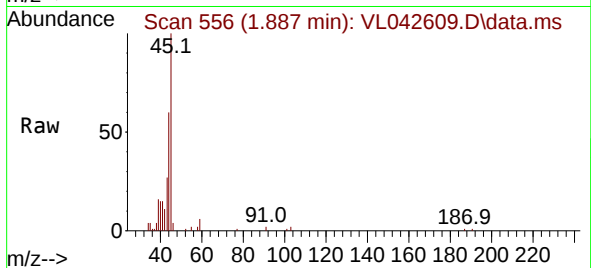
Tgt Ion: 96 Resp: 1821
Ion Ratio Lower Upper
96 100
61 182.3 171.1 256.7
98 53.7 54.4 81.6





#19
Isopropyl Alcohol
Concen: 0.479 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

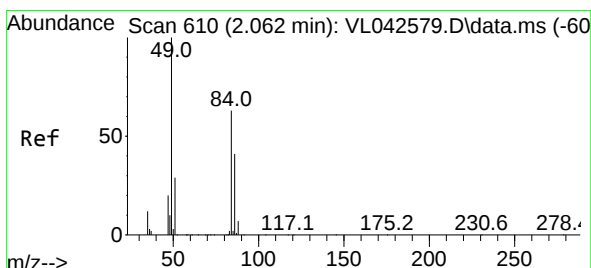
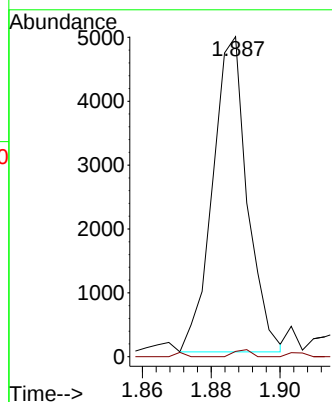
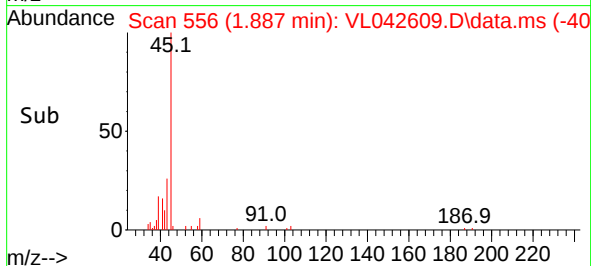
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



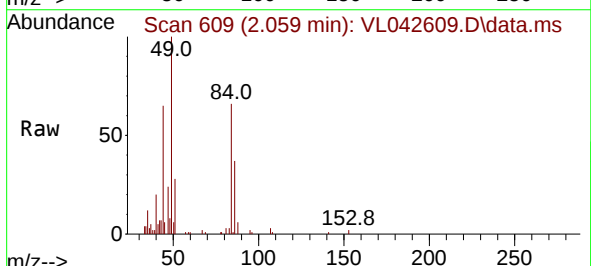
Tgt Ion: 45 Resp: 3454
Ion Ratio Lower Upper
45 100
58 2.1 29.4 44.2

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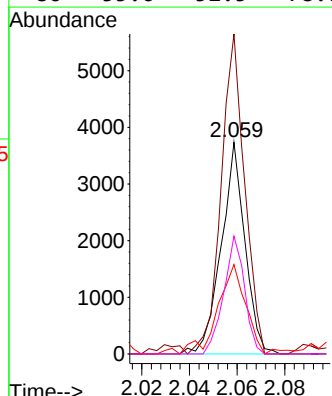
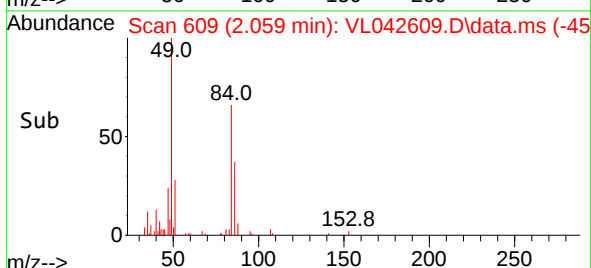
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

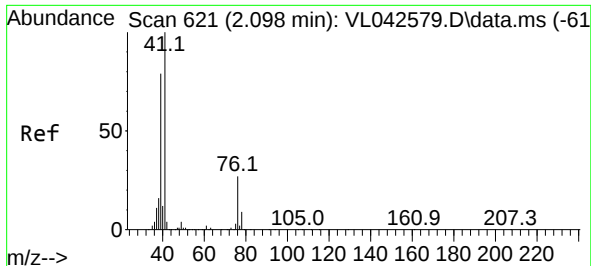


#20
Methylene Chloride
Concen: 0.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07



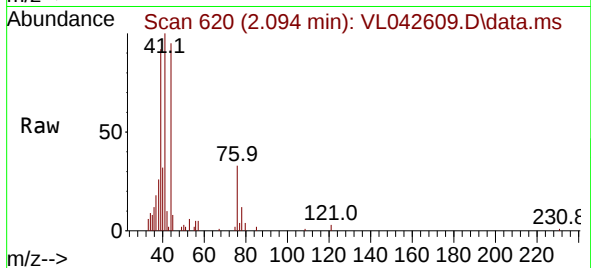
Tgt Ion: 84 Resp: 2591
Ion Ratio Lower Upper
84 100
49 148.6 128.8 193.2
51 42.3 38.6 57.8
86 55.6 52.5 78.7





#21
 Allyl Chloride
 Concen: 0.400 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

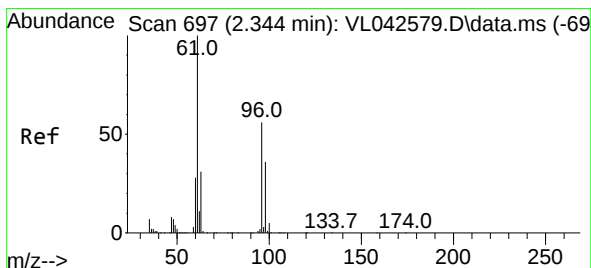
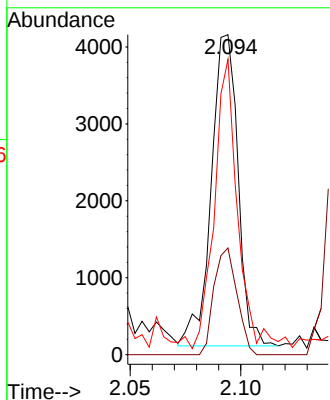
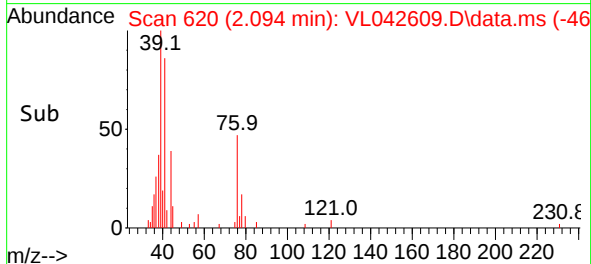
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 41 Resp: 3400
 Ion Ratio Lower Upper
 41 100
 76 29.5 21.2 31.8
 39 88.8 60.9 91.3

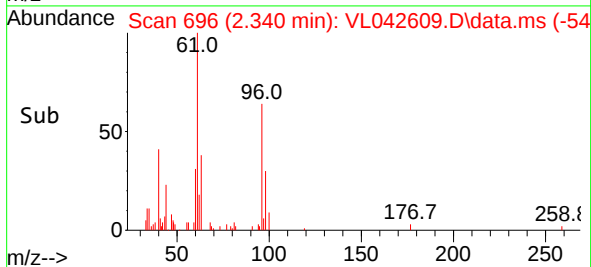
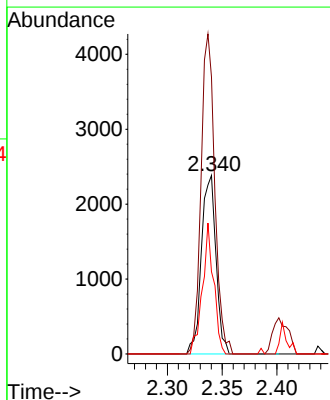
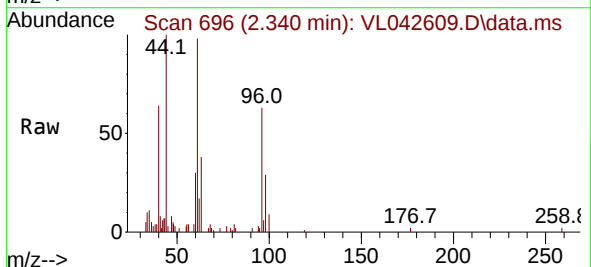
Manual Integrations
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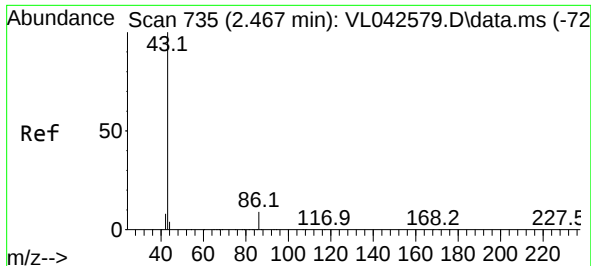
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.472 ppbv m
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

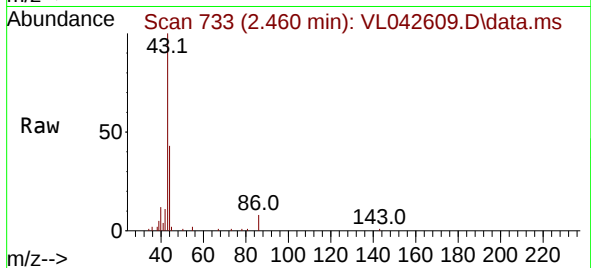
Tgt Ion: 96 Resp: 2198
 Ion Ratio Lower Upper
 96 100
 61 155.1 142.6 214.0
 98 46.1 51.0 76.4#





#23
 Vinyl Acetate
 Concen: 0.385 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

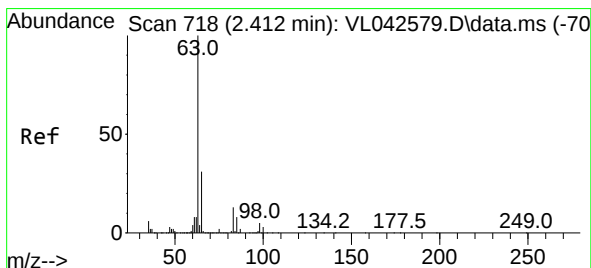
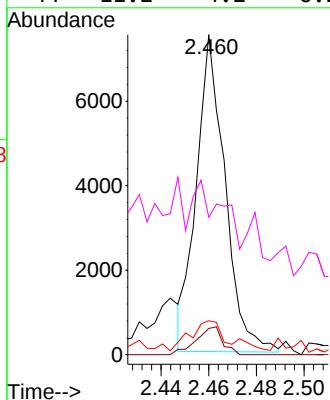
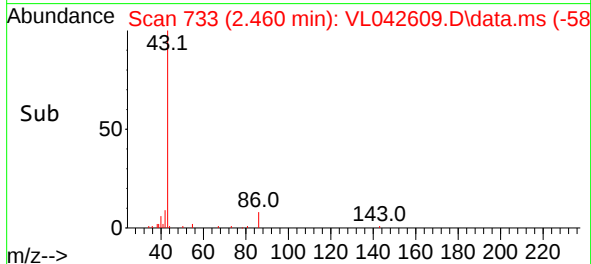
Instrument : MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 43 Resp: 6275
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 9.8
 42 6.9 7.0 10.4
 44 11.2 4.2 6.2#

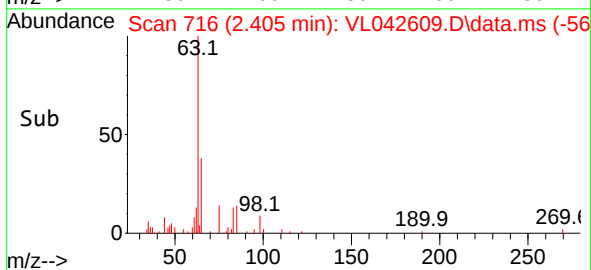
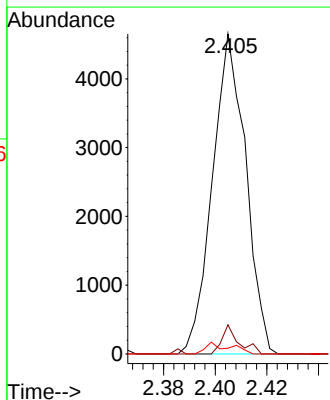
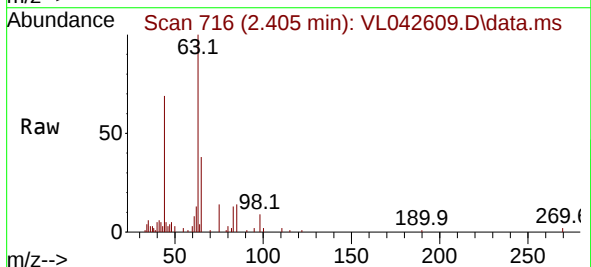
Manual Integrations
 APPROVED

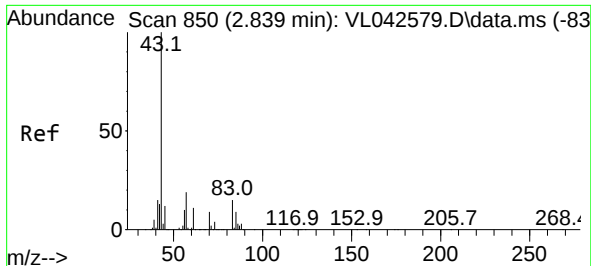
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#24
 1,1-Dichloroethane
 Concen: 0.436 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion: 63 Resp: 4171
 Ion Ratio Lower Upper
 63 100
 98 9.1 2.4 7.1#
 100 1.8 1.4 4.0





#25

Ethyl Acetate

Concen: 0.390 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042609.D

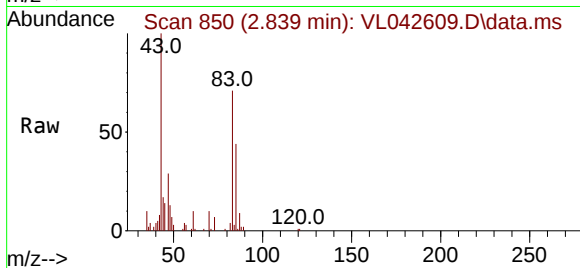
Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

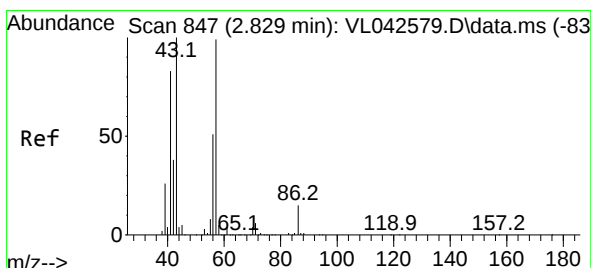
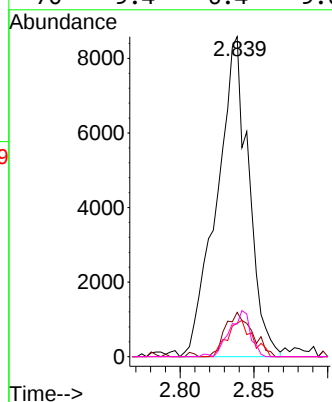
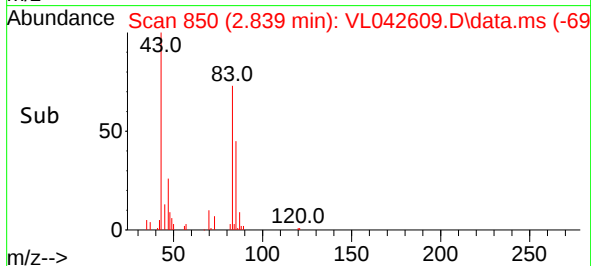


Tgt Ion: 43	Resp: 1285
Ion Ratio	Lower Upper
43 100	
45 12.1	8.2 12.2
61 8.9	7.1 10.7
70 9.4	6.4 9.6

Manual Integrations

APPROVED

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



#26

Hexane

Concen: 0.377 ppbv

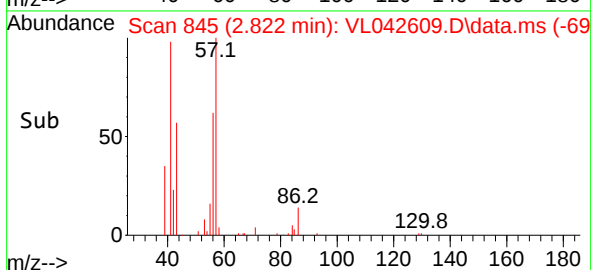
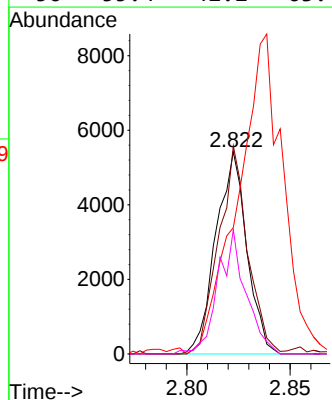
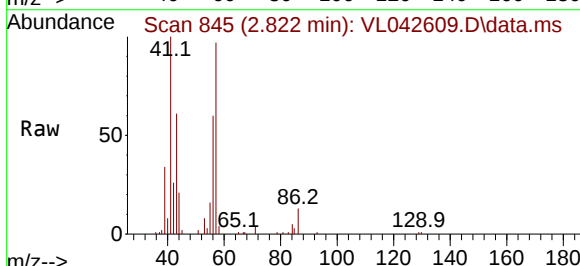
RT: 2.822 min Scan# 845

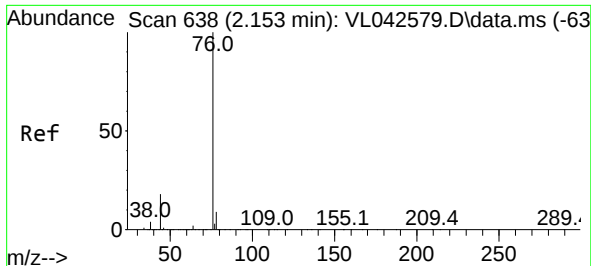
Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

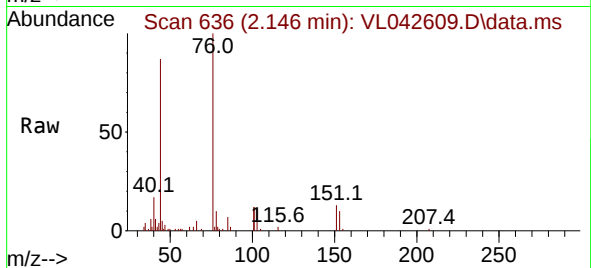
Tgt Ion: 57	Resp: 5653
Ion Ratio	Lower Upper
57 100	
41 100.7	70.6 106.0
43 234.8	181.1 271.7
56 55.4	42.2 63.4





#27
Carbon Disulfide
Concen: 0.400 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

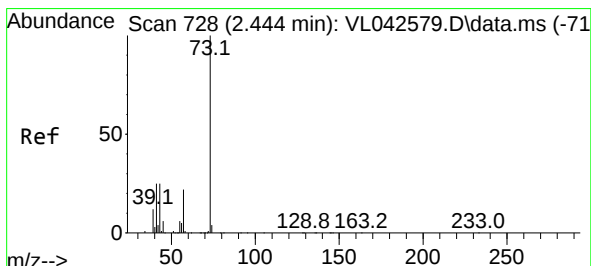
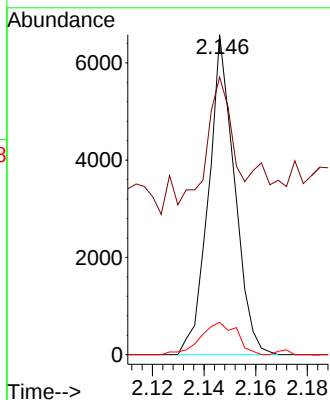
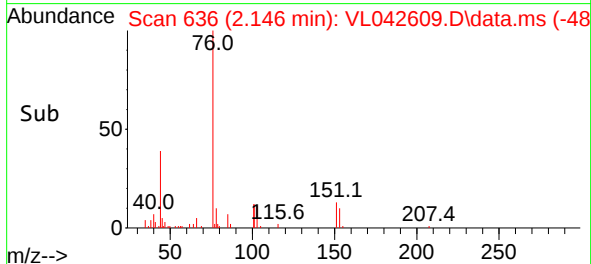
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 76 Resp: 4609
Ion Ratio Lower Upper
76 100
44 208.8 21.3 31.9
78 14.9 9.4 14.0

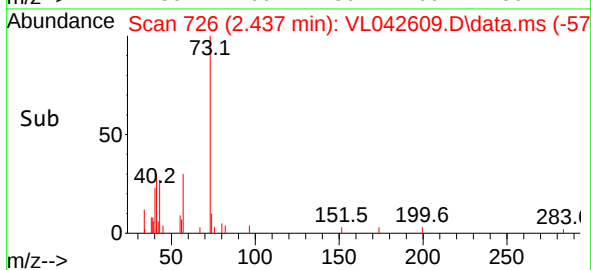
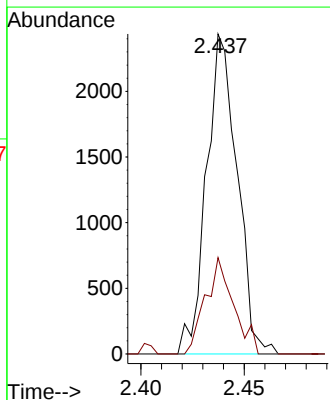
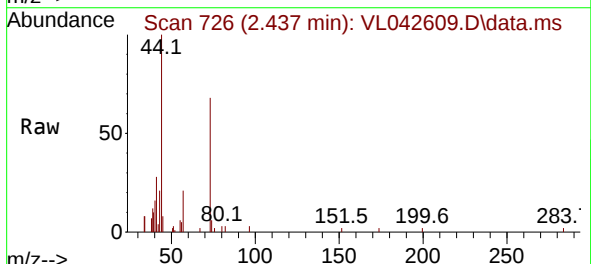
Manual Integrations
APPROVED

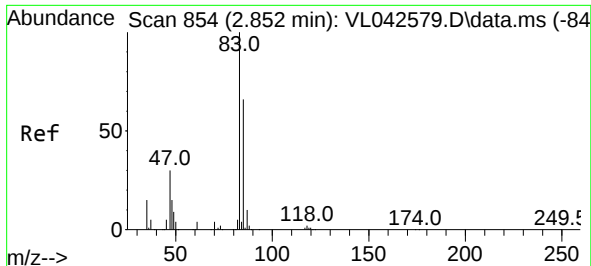
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#28
Methyl tert-Butyl Ether
Concen: 0.414 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 73 Resp: 2518
Ion Ratio Lower Upper
73 100
57 28.6 19.9 29.9





#29

Chloroform

Concen: 0.454 ppbv

RT: 2.845 min Scan# 854

Delta R.T. -0.007 min

Lab File: VL042609.D

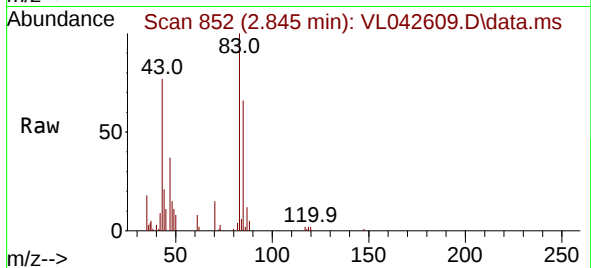
Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



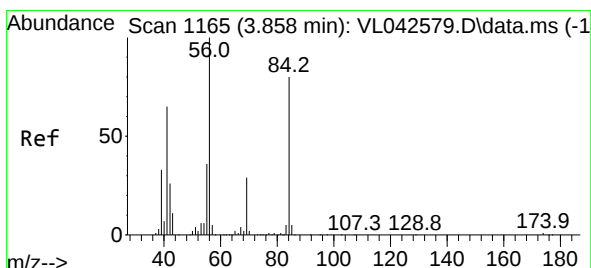
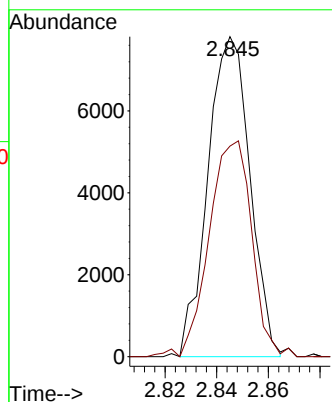
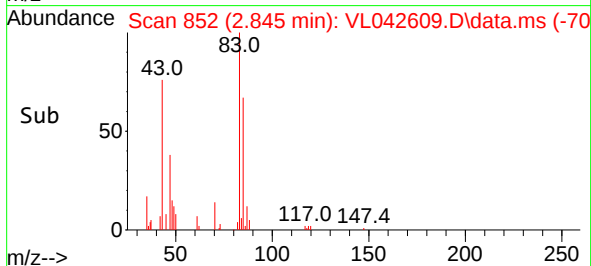
Tgt Ion: 83 Resp: 8849

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2

Manual Integrations

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



#30

Cyclohexane

Concen: 0.339 ppbv m

RT: 3.855 min Scan# 1164

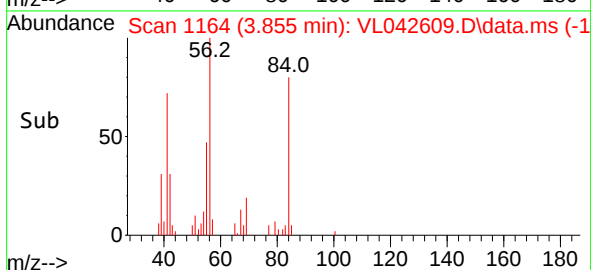
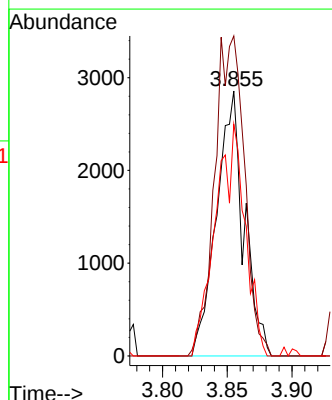
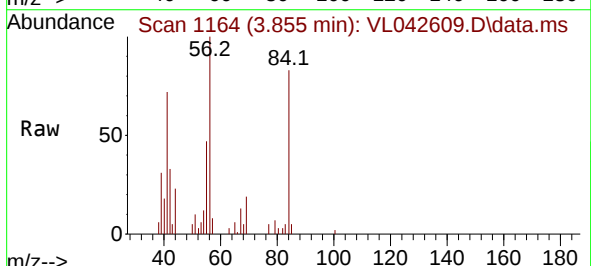
Delta R.T. -0.003 min

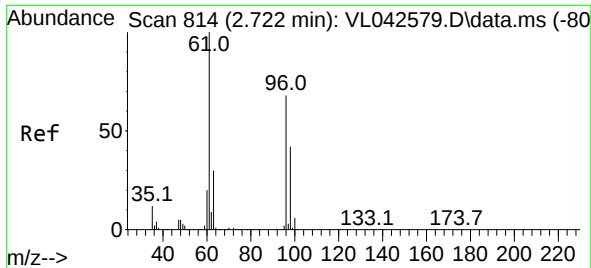
Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Tgt Ion: 84 Resp: 4209

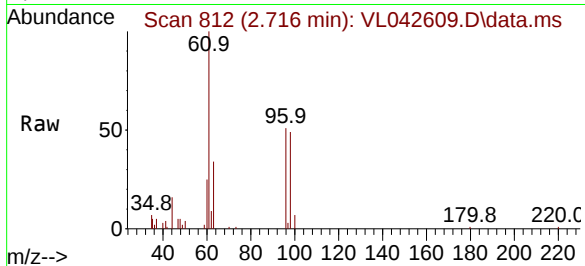
Ion	Ratio	Lower	Upper
84	100		
56	131.6	103.7	155.5
41	95.8	65.1	97.7





#31
 cis-1,2-Dichloroethene
 Concen: 0.423 ppbv
 RT: 2.716 min Scan# 814
 Delta R.T. -0.007 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

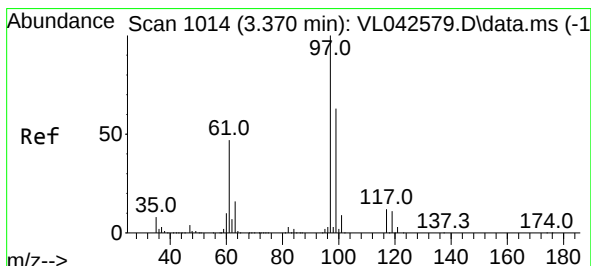
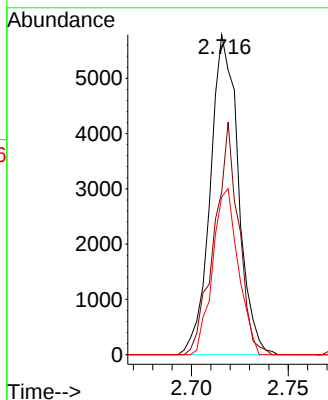
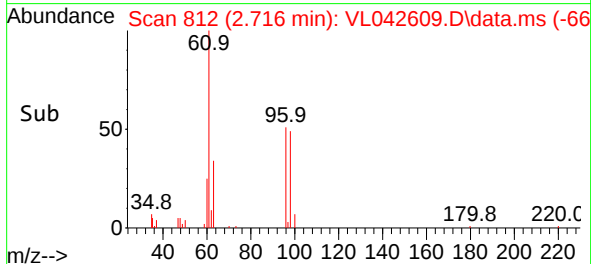
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025



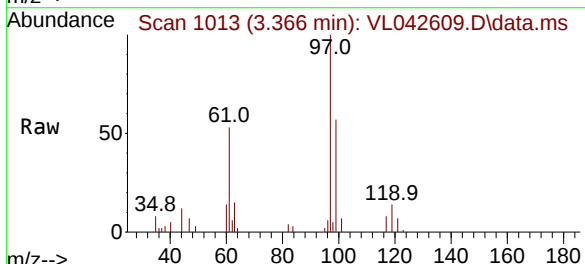
Tgt Ion: 61 Resp: 580
 Ion Ratio Lower Upper
 61 100
 96 50.9 54.5 81.7
 98 49.4 33.4 50.2

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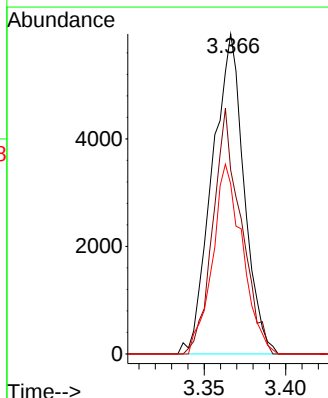
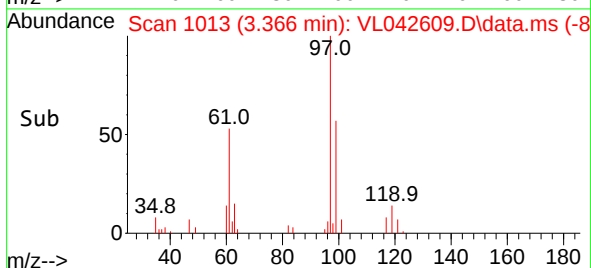
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

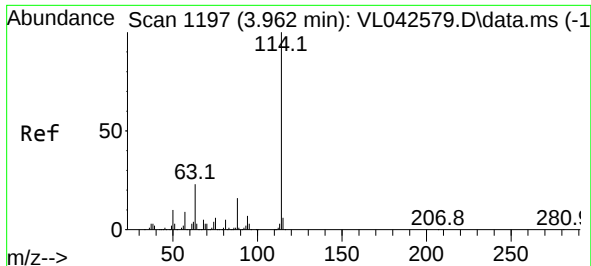


#32
 1,1,1-Trichloroethane
 Concen: 0.406 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07



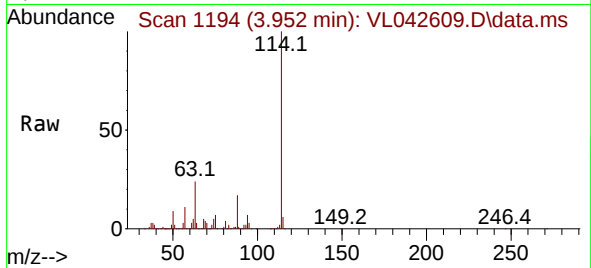
Tgt Ion: 97 Resp: 8081
 Ion Ratio Lower Upper
 97 100
 99 67.6 51.0 76.6
 61 55.8 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

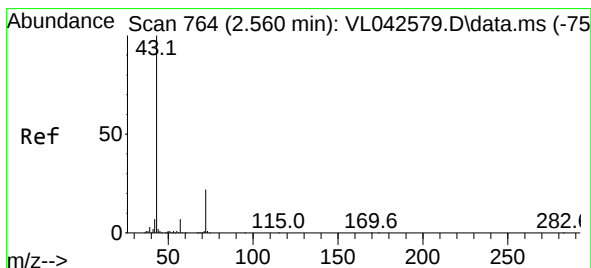
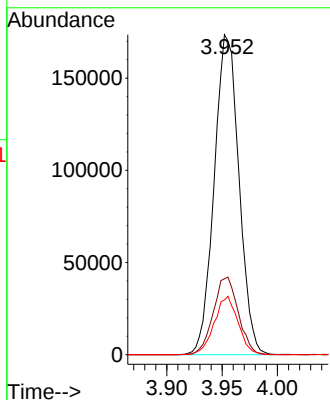
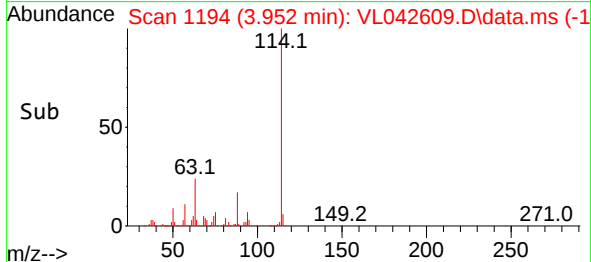
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion:114 Resp: 27069
Ion Ratio Lower Upper
114 100
63 24.4 19.0 28.6
88 17.5 13.6 20.4

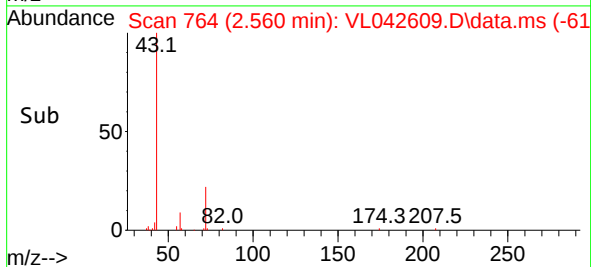
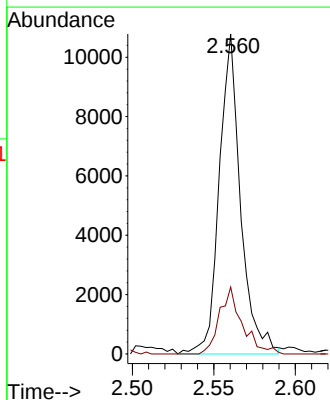
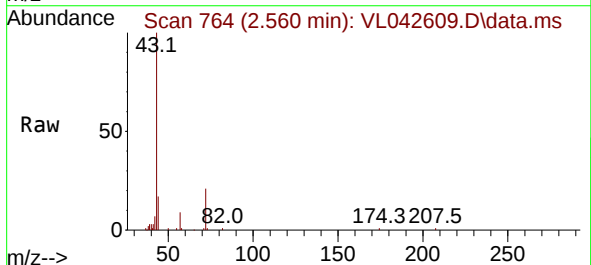
Manual Integrations
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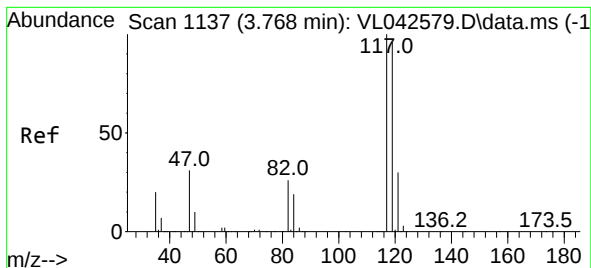
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#34
2-Butanone
Concen: 0.508 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 43 Resp: 9808
Ion Ratio Lower Upper
43 100
72 22.3 17.7 26.5





#35

Carbon Tetrachloride

Concen: 0.465 ppbv m

RT: 3.764 min Scan# 1137

Delta R.T. -0.003 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

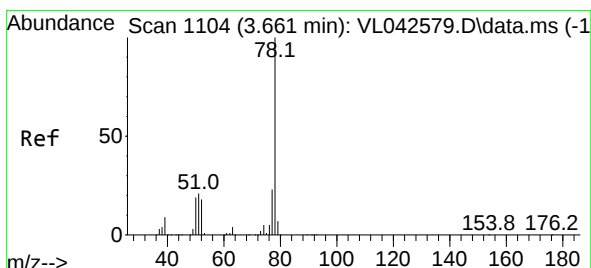
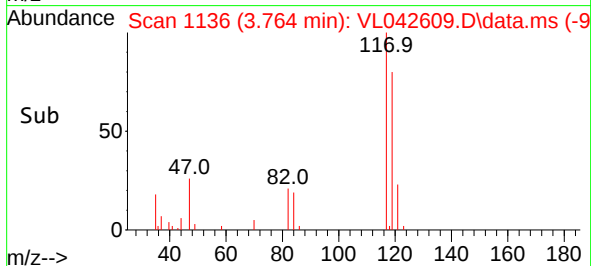
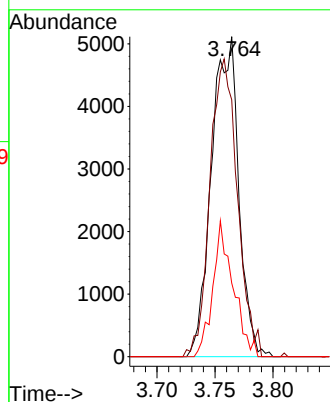
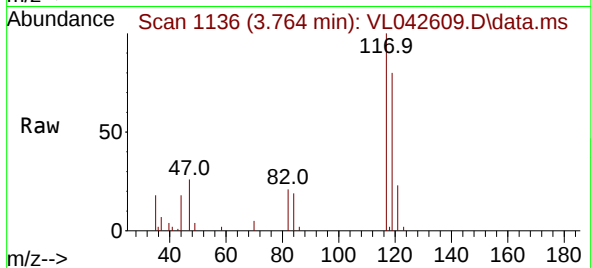
Tgt Ion:117	Resp:	8310
Ion	Ratio	Lower Upper
117	100	
119	80.3	76.8 115.2
121	23.0	24.3 36.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#36

Benzene

Concen: 0.447 ppbv

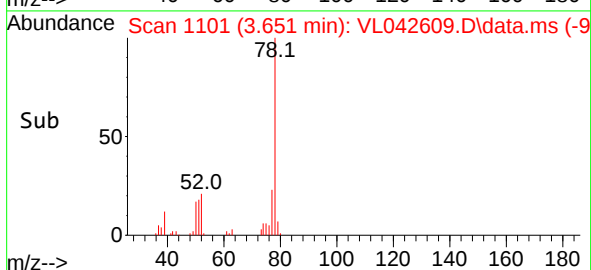
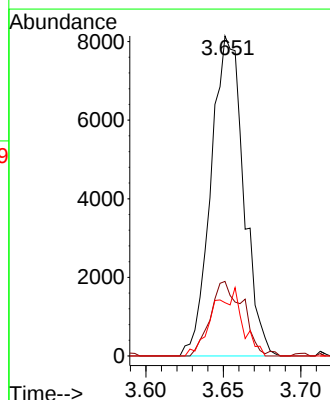
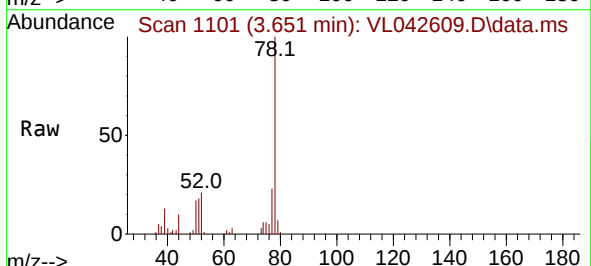
RT: 3.651 min Scan# 1101

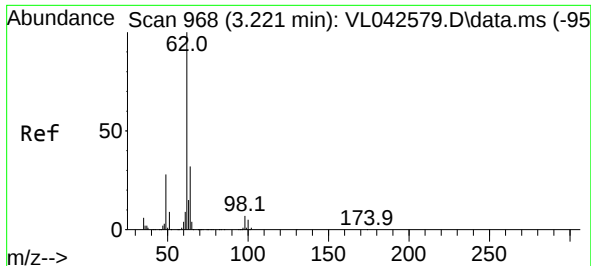
Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Tgt Ion: 78	Resp:	11914
Ion	Ratio	Lower Upper
78	100	
77	23.3	18.2 27.2
50	16.7	15.2 22.8





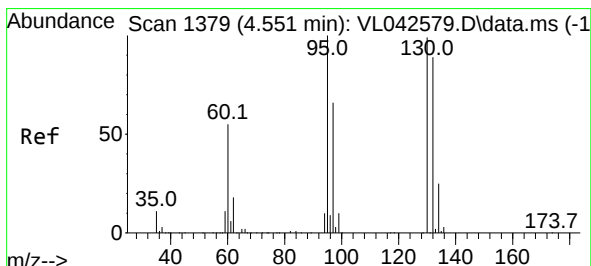
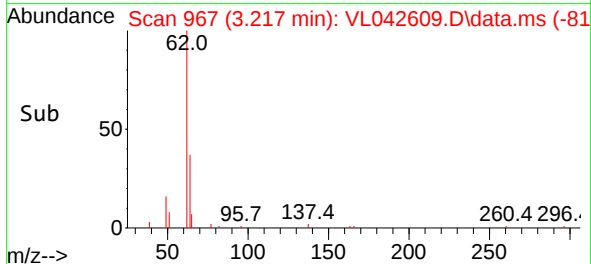
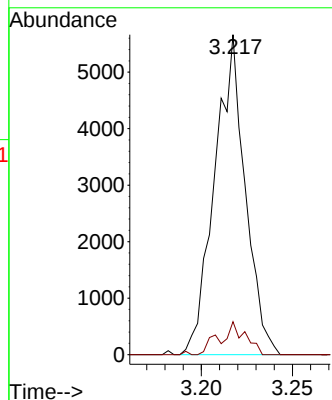
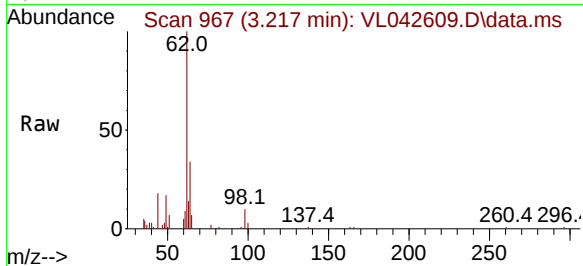
#37
1,2-Dichloroethane
Concen: 0.499 ppbv
RT: 3.217 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 62 Resp: 6610
Ion Ratio Lower Upper
62 100
98 8.6 6.1 9.1

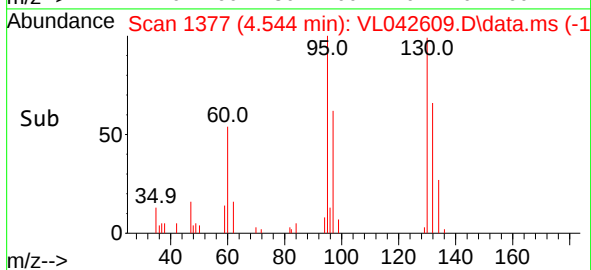
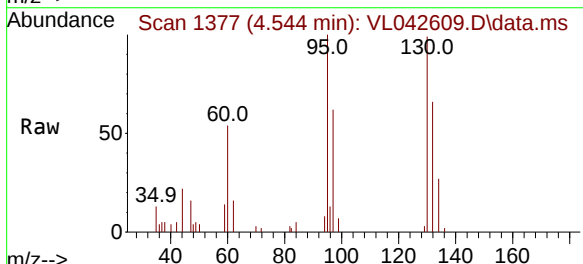
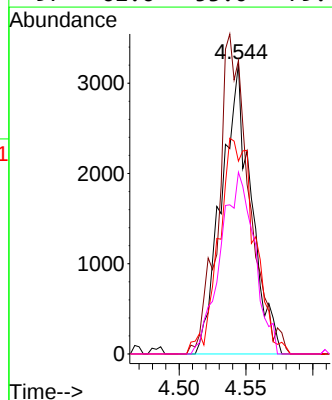
Manual Integrations
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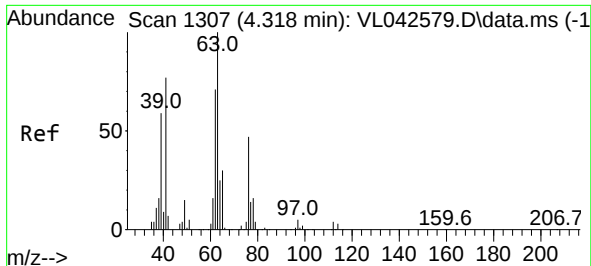
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#38
Trichloroethene
Concen: 0.436 ppbv m
RT: 4.544 min Scan# 1377
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:130 Resp: 4944
Ion Ratio Lower Upper
130 100
95 101.1 80.6 121.0
132 66.4 71.8 107.6#
97 62.6 53.0 79.4





#39

1,2-Dichloropropane

Concen: 0.484 ppbv

RT: 4.311 min Scan# 1307

Delta R.T. -0.007 min

Lab File: VL042609.D

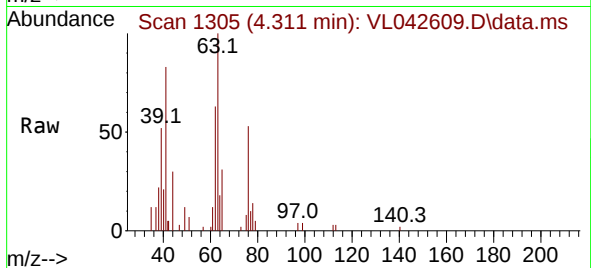
Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

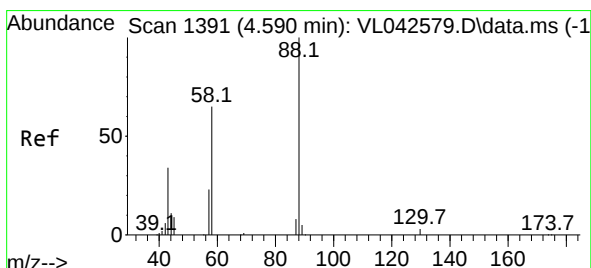
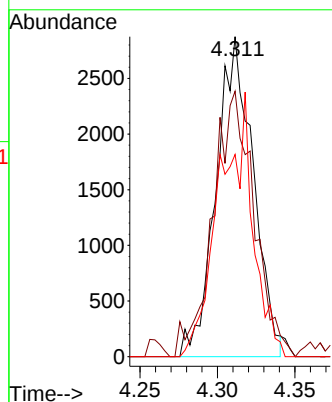
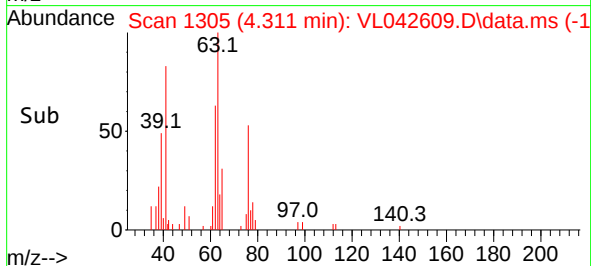


Tgt Ion: 63	Resp: 476
Ion Ratio	Lower Upper
63	100
41	76.2 61.8 92.6
62	63.2 56.6 85.0

Manual Integrations

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



#40

1,4-Dioxane

Concen: 0.464 ppbv m

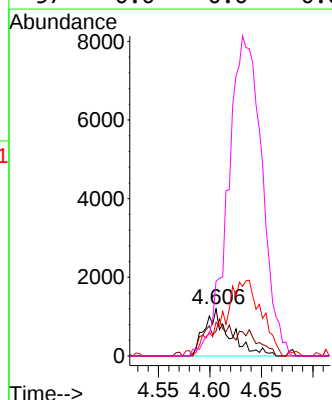
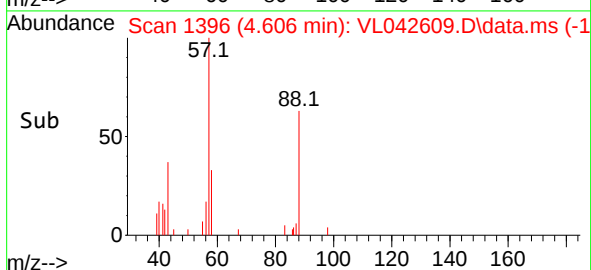
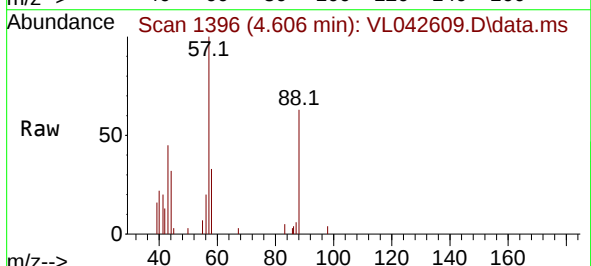
RT: 4.606 min Scan# 1396

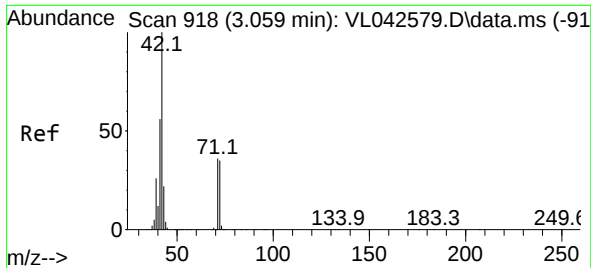
Delta R.T. 0.016 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

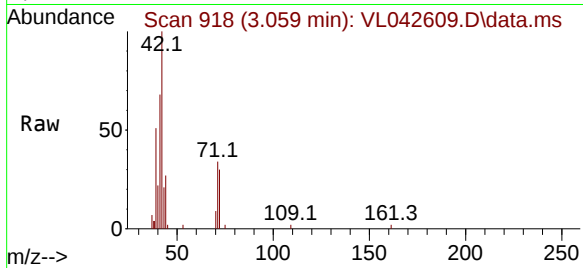
Tgt Ion: 88	Resp: 2047
Ion Ratio	Lower Upper
88	100
58	116.1 55.8 83.8#
43	0.0 24.8 37.2#
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.387 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

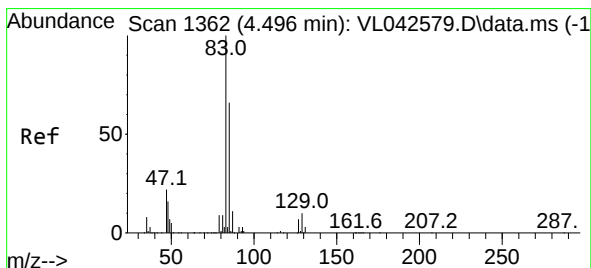
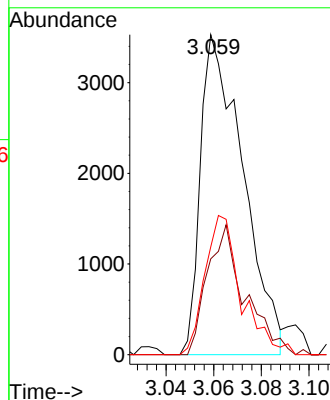
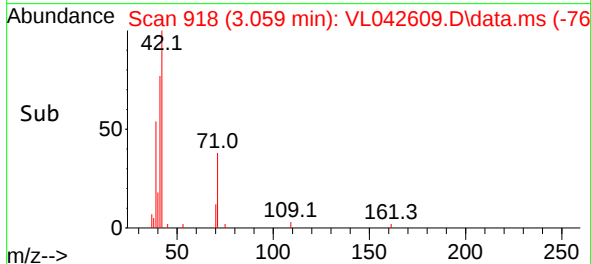
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



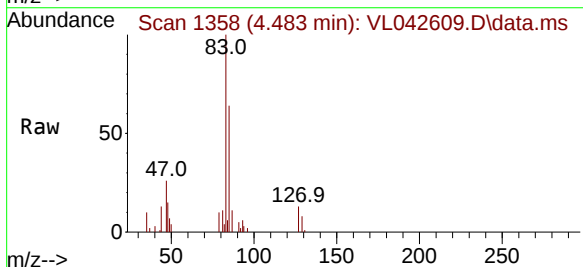
Tgt Ion: 42 Resp: 437
Ion Ratio Lower Upper
42 100
72 35.9 28.9 43.3
71 37.1 28.5 42.7

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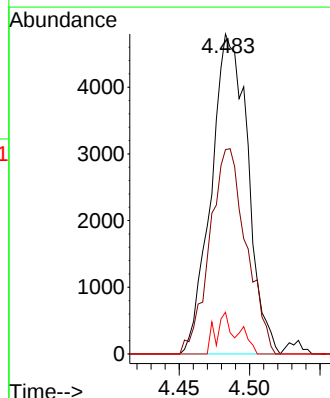
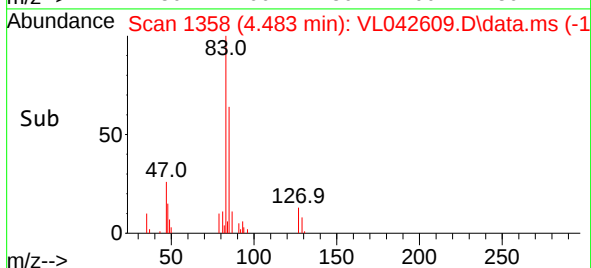
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

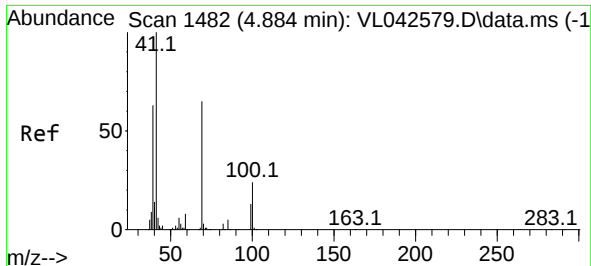


#42
Bromodichloromethane
Concen: 0.462 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.013 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07



Tgt Ion: 83 Resp: 8684
Ion Ratio Lower Upper
83 100
85 63.8 52.7 79.1
127 13.0 5.8 8.6





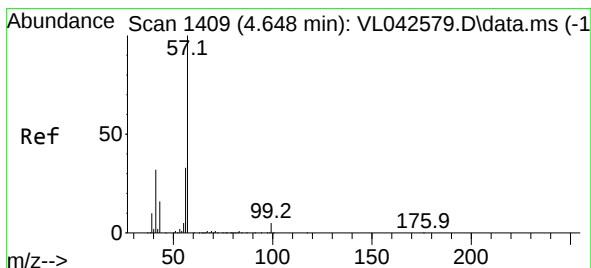
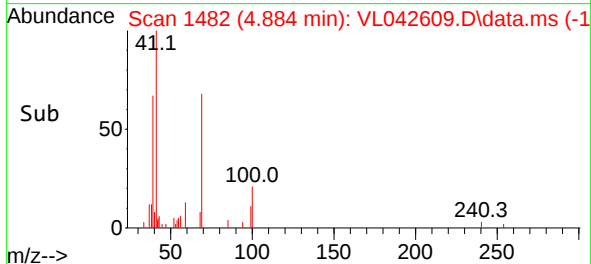
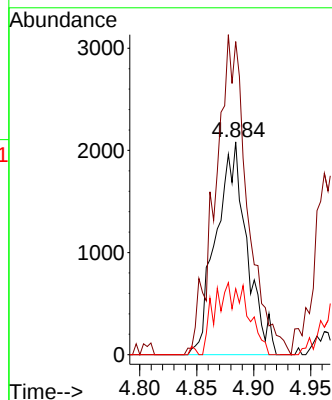
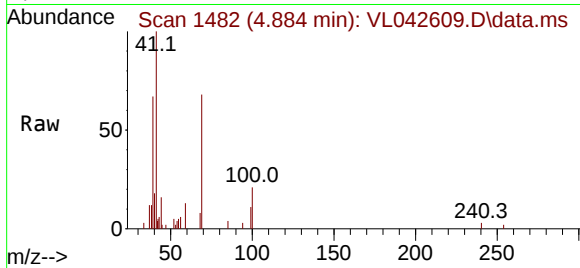
#43
Methyl Methacrylate
Concen: 0.378 ppbv m
RT: 4.884 min Scan# 1482
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 69 Resp: 391
Ion Ratio Lower Upper
69 100
41 157.2 124.6 187.0
100 36.7 29.9 44.9

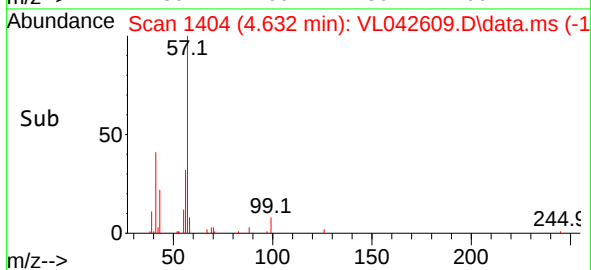
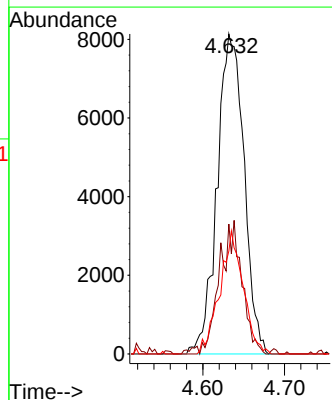
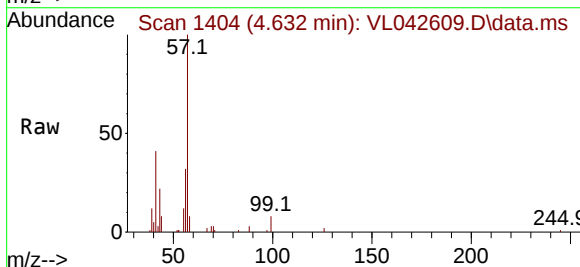
Manual Integrations
APPROVED

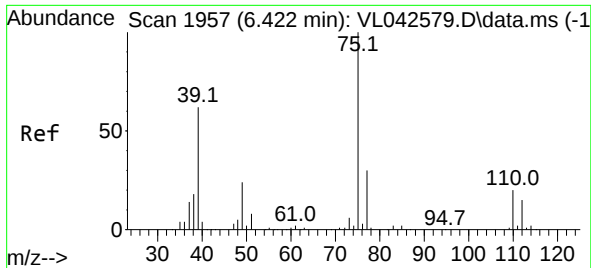
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#44
2,2,4-Trimethylpentane
Concen: 0.409 ppbv m
RT: 4.632 min Scan# 1404
Delta R.T. -0.016 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

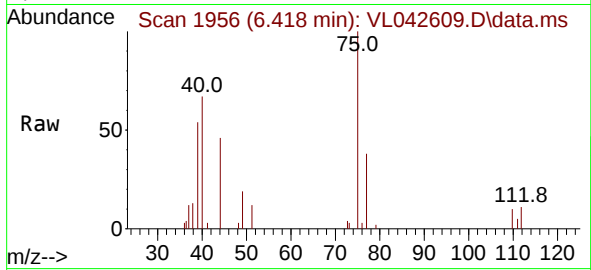
Tgt Ion: 57 Resp: 18627
Ion Ratio Lower Upper
57 100
41 35.9 26.1 39.1
56 33.5 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 0.372 ppbv m
 RT: 6.418 min Scan# 1957
 Delta R.T. -0.003 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

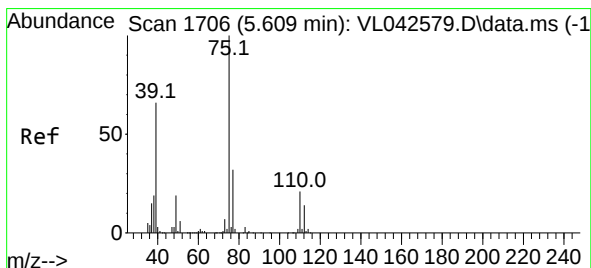
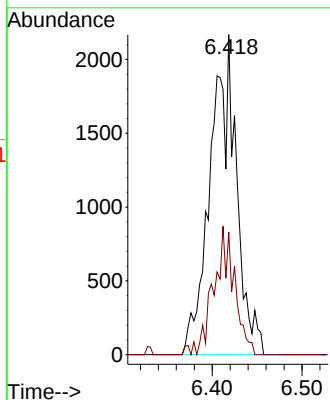
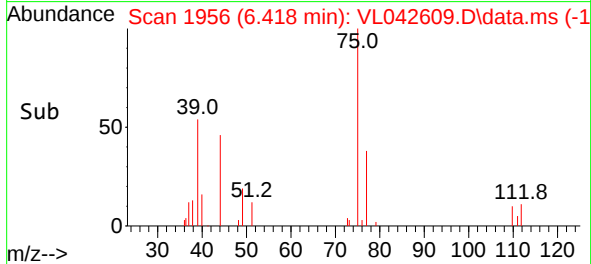
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 75 Resp: 4399
 Ion Ratio Lower Upper
 75 100
 77 38.4 24.2 36.2

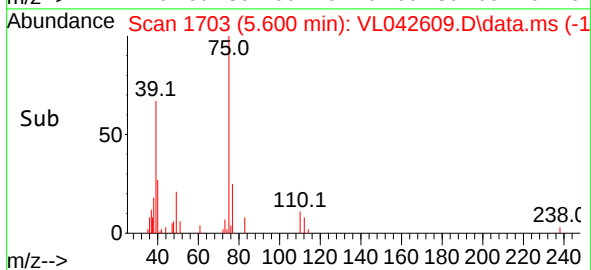
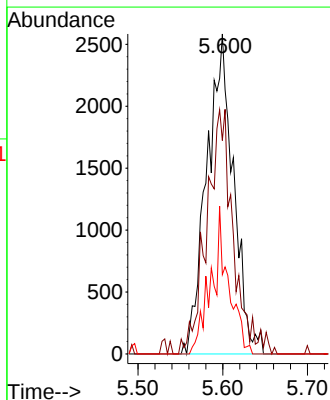
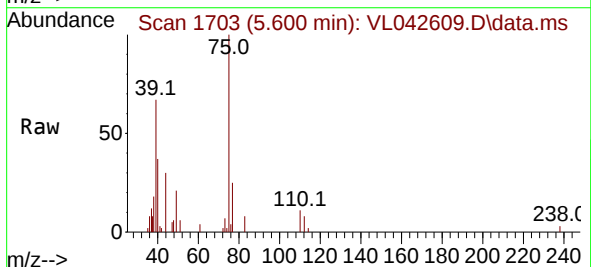
Manual Integrations
 APPROVED

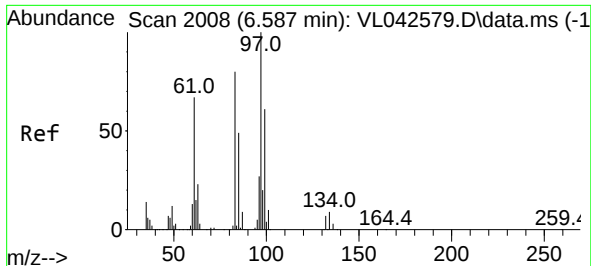
Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.381 ppbv m
 RT: 5.600 min Scan# 1703
 Delta R.T. -0.010 min
 Lab File: VL042609.D
 Acq: 03 Jun 2025 14:07

Tgt Ion: 75 Resp: 5649
 Ion Ratio Lower Upper
 75 100
 39 66.7 52.7 79.1
 77 24.8 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 0.493 ppbv m

RT: 6.580 min Scan# 2006

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

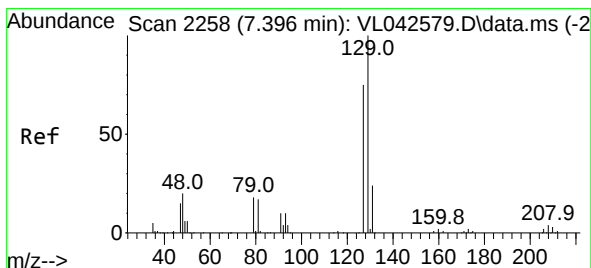
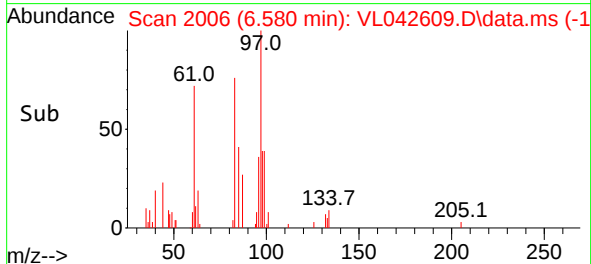
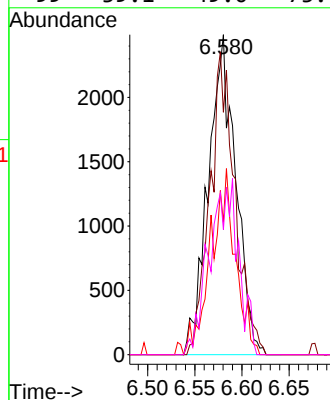
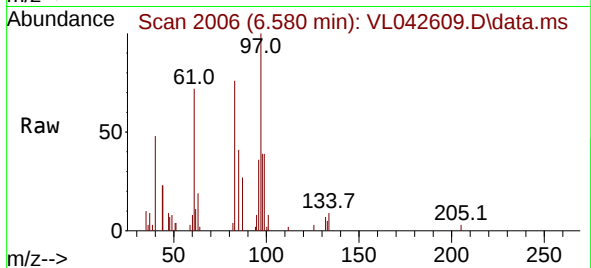
Tgt Ion: 97	Resp: 5034
Ion Ratio	Lower Upper
97 100	
83 75.8	63.9 95.9
85 41.4	39.2 58.8
99 39.1	49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#48

Dibromochloromethane

Concen: 0.425 ppbv m

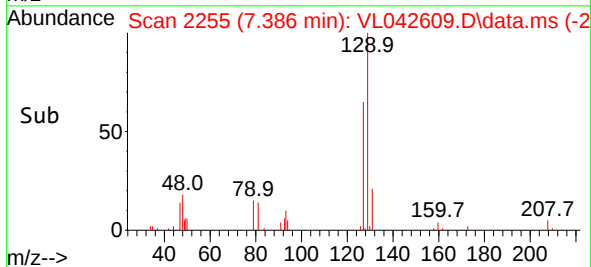
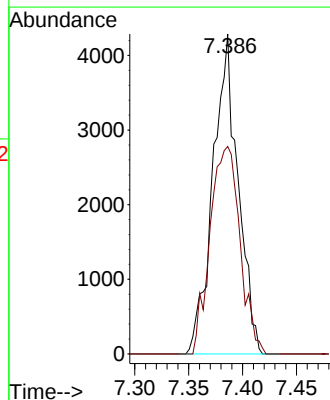
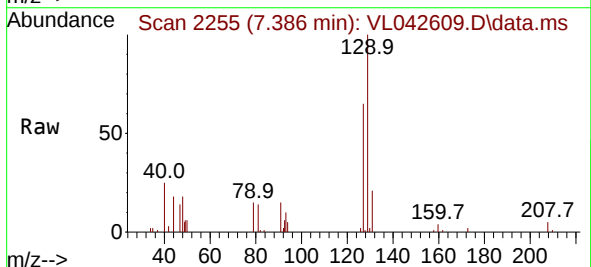
RT: 7.386 min Scan# 2255

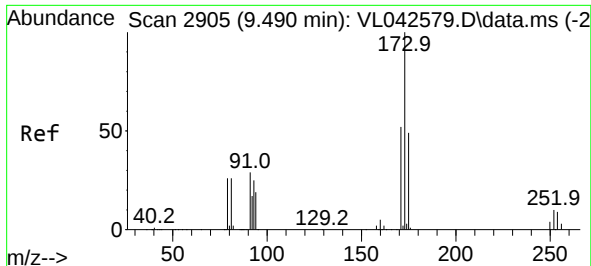
Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

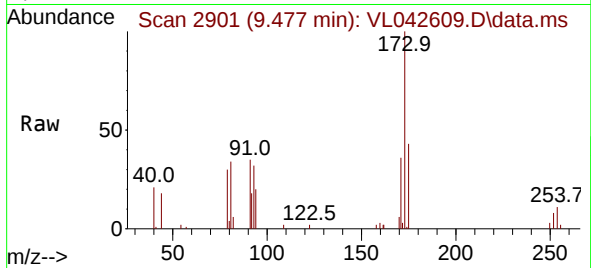
Tgt Ion:129	Resp: 6948
Ion Ratio	Lower Upper
129 100	
127 77.3	39.0 116.9





#49
Bromoform
Concen: 0.386 ppbv
RT: 9.477 min Scan# 2905
Delta R.T. -0.013 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

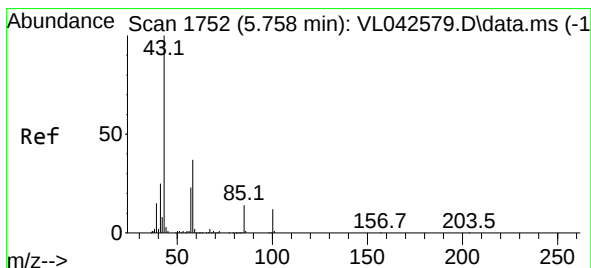
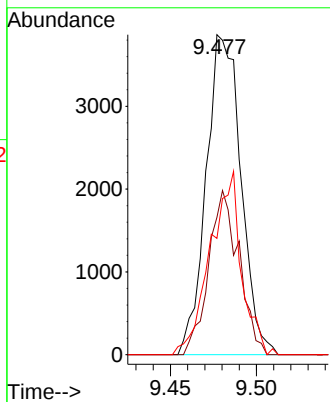
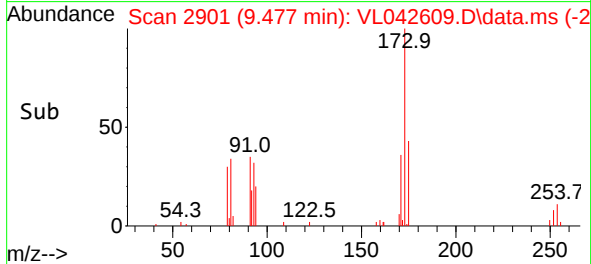
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 173 Resp: 5438
Ion Ratio Lower Upper
173 100
175 44.8 38.7 58.1
171 51.3 41.2 61.8

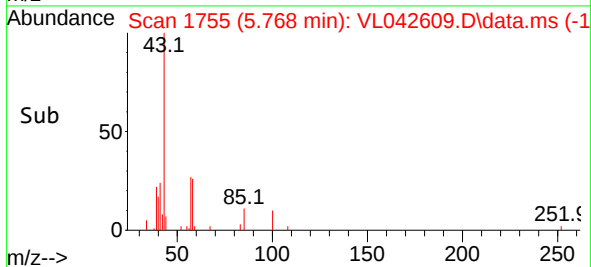
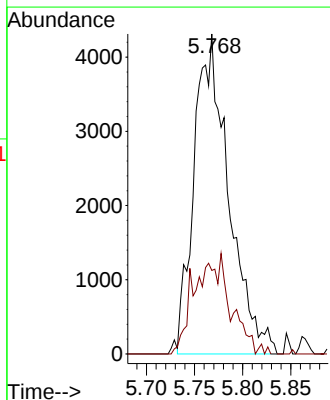
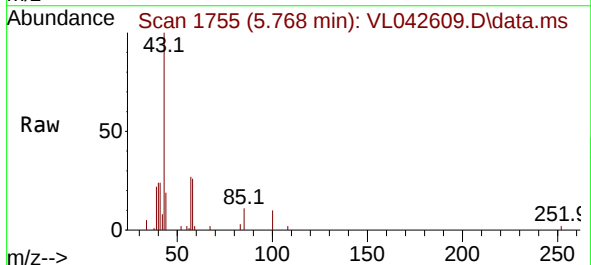
Manual Integrations
APPROVED

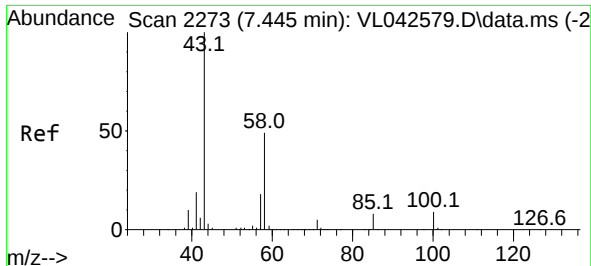
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#50
4-Methyl-2-Pentanone
Concen: 0.402 ppbv m
RT: 5.768 min Scan# 1755
Delta R.T. 0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

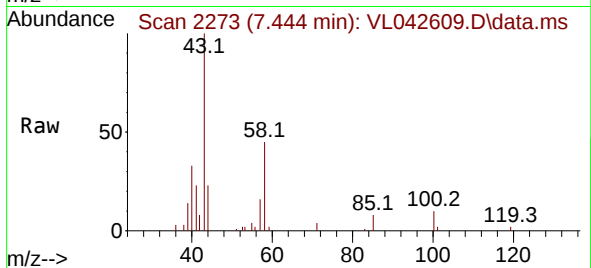
Tgt Ion: 43 Resp: 10754
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#





#51
2-Hexanone
Concen: 0.346 ppbv m
RT: 7.444 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

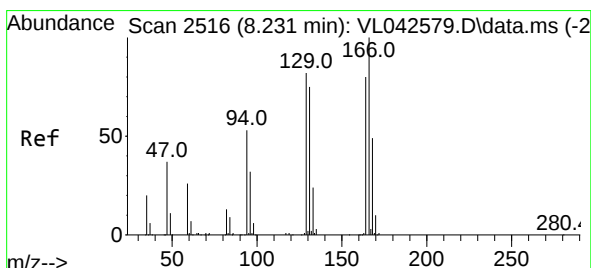
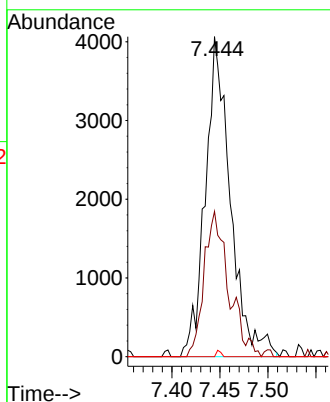
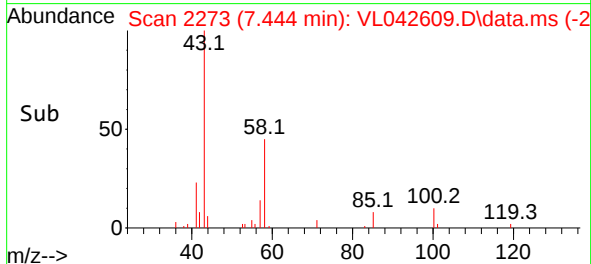
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 45.2 39.9 59.9
98 0.4 0.1 0.1

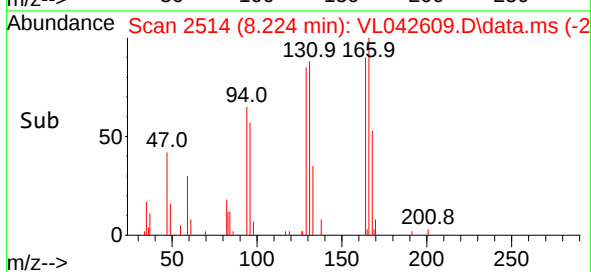
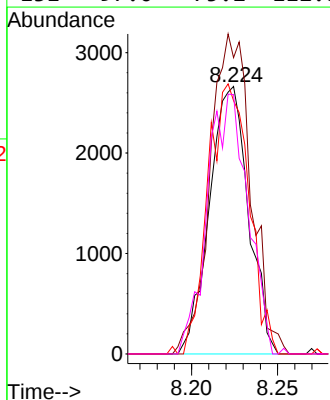
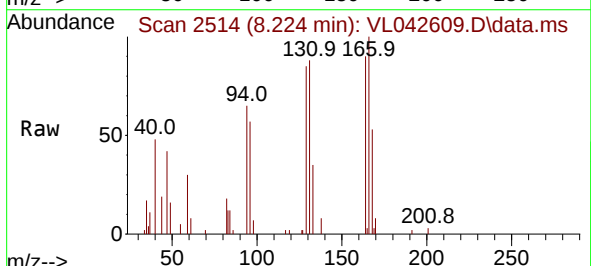
Manual Integrations
APPROVED

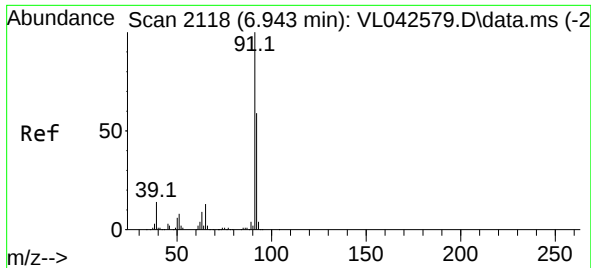
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#52
Tetrachloroethene
Concen: 0.421 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

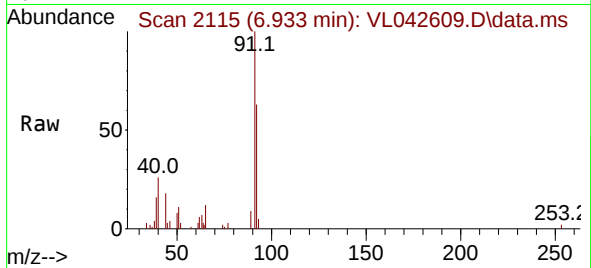
Tgt Ion:164 Resp: 4198
Ion Ratio Lower Upper
164 100
166 108.1 100.0 150.0
129 94.7 82.2 123.4
131 97.0 75.2 112.8





#53
Toluene
Concen: 0.359 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

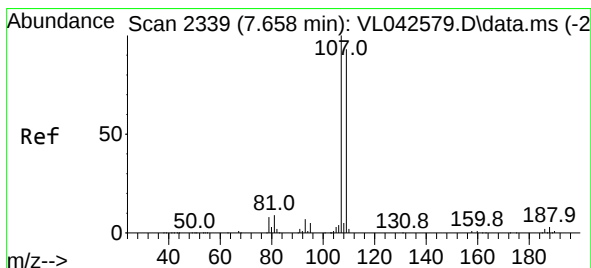
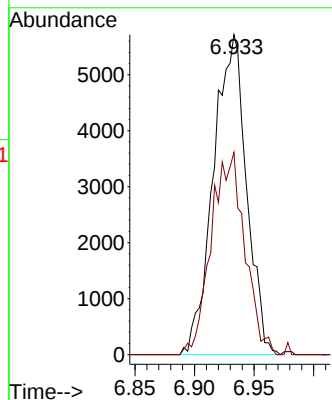
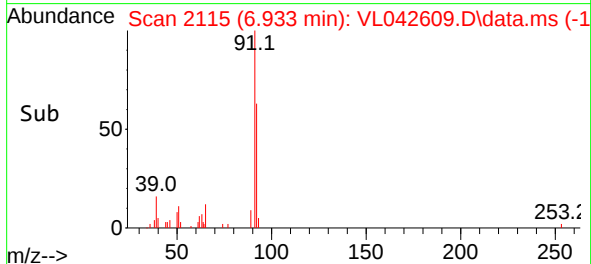
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 91 Resp: 1105
Ion Ratio Lower Upper
91 100
92 64.4 48.2 72.4

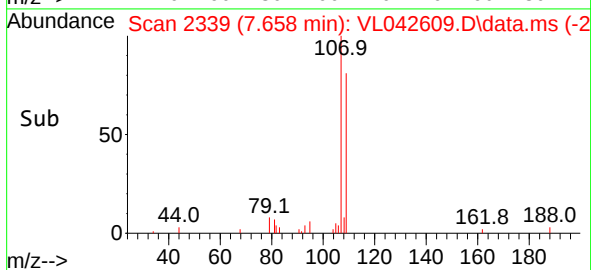
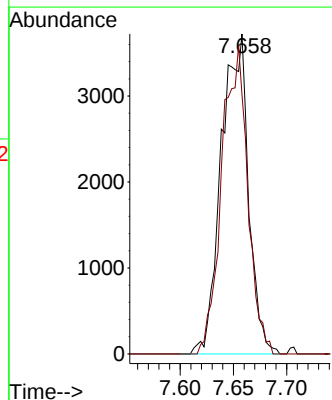
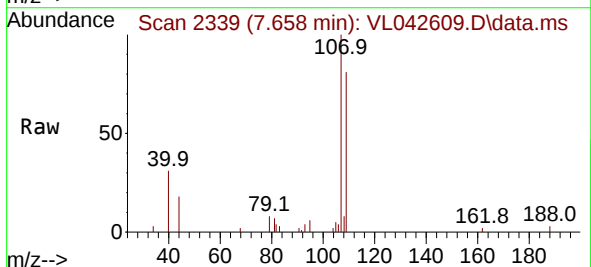
Manual Integrations
APPROVED

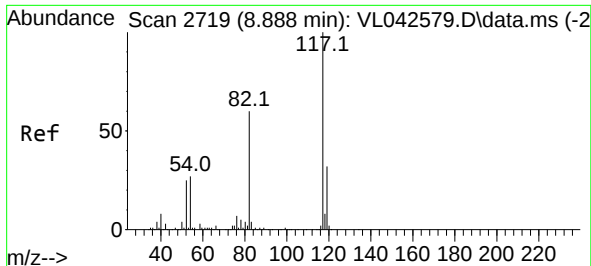
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#54
1,2-Dibromoethane
Concen: 0.437 ppbv m
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

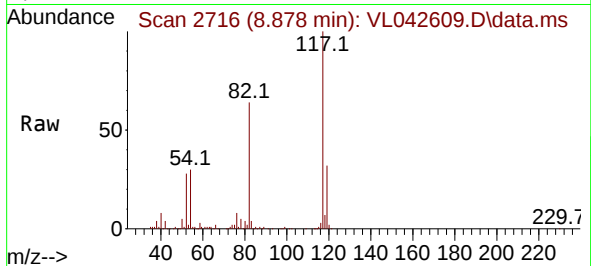
Tgt Ion:107 Resp: 6603
Ion Ratio Lower Upper
107 100
109 81.1 74.3 111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2719
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

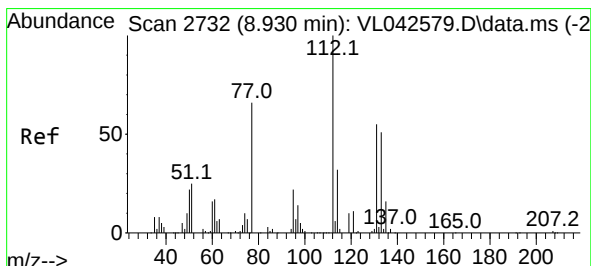
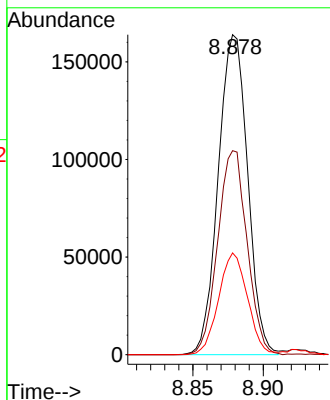
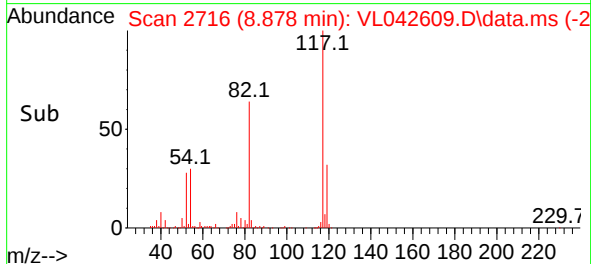
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion:117 Resp: 238530
Ion Ratio Lower Upper
117 100
82 63.8 51.2 76.8
119 32.5 26.3 39.5

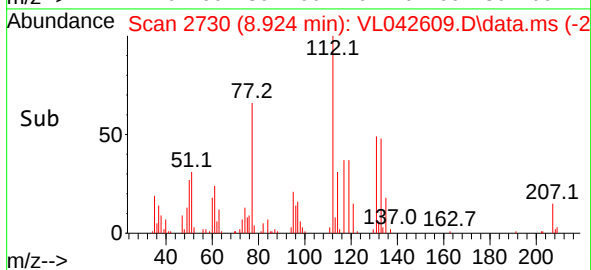
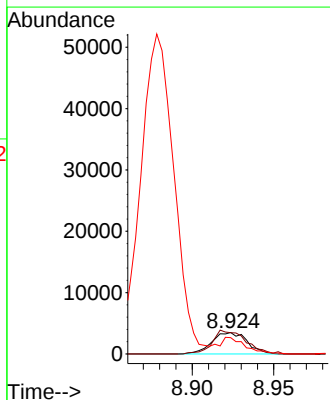
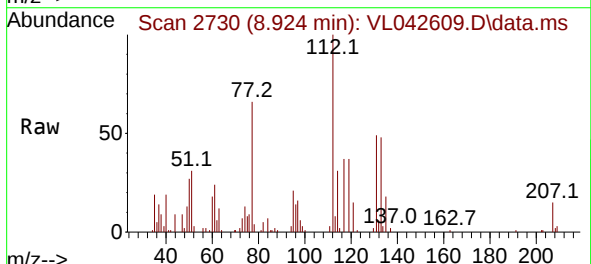
Manual Integrations
APPROVED

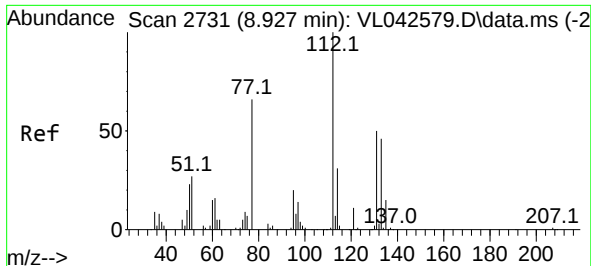
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.437 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:131 Resp: 5241
Ion Ratio Lower Upper
131 100
133 105.1 75.0 112.6
119 1481.5 50.8 76.2#





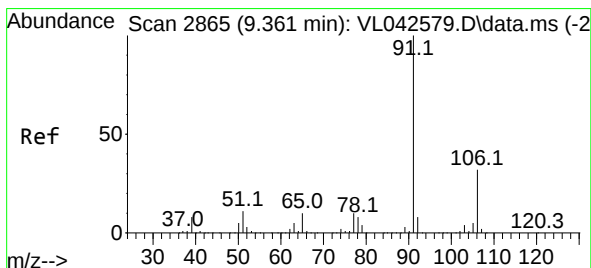
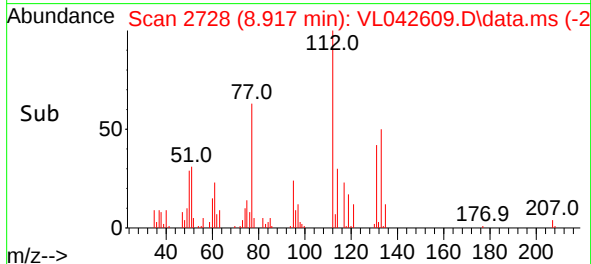
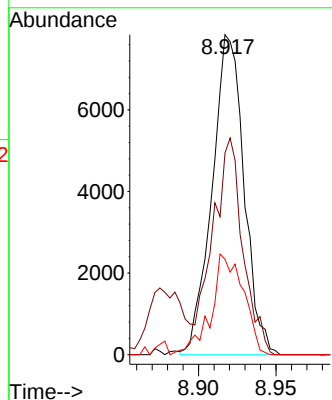
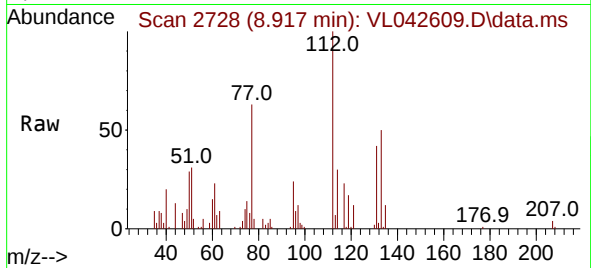
#57
Chlorobenzene
Concen: 0.486 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 112 Resp: 1125
Ion Ratio Lower Upper
112 100
77 63.1 53.5 80.3
114 29.8 27.8 34.0

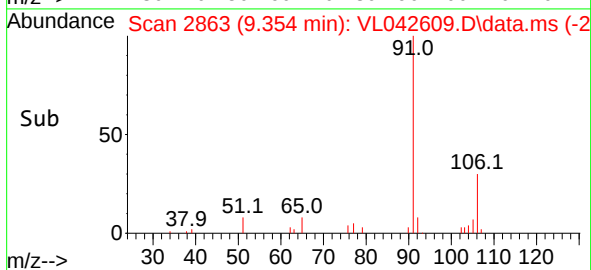
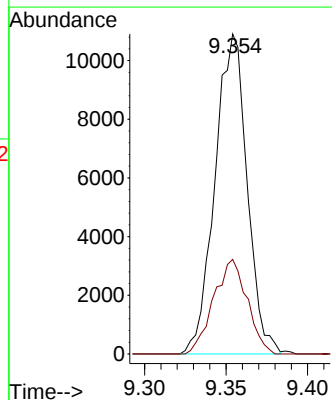
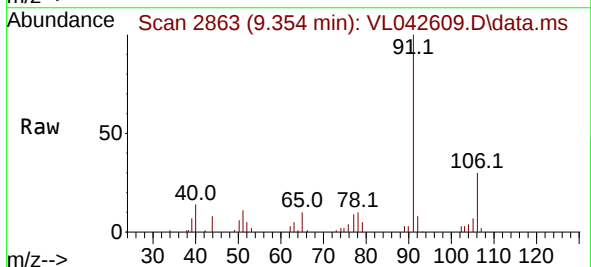
Manual Integrations
APPROVED

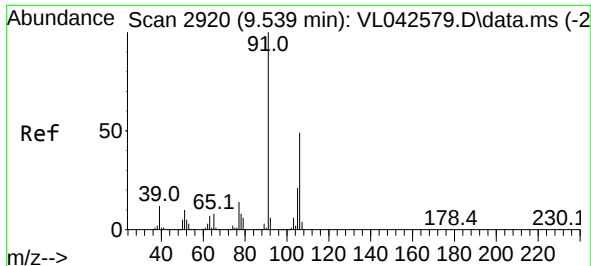
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#58
Ethyl Benzene
Concen: 0.369 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 91 Resp: 14945
Ion Ratio Lower Upper
91 100
106 29.6 25.9 38.9





#59

m/p-Xylene

Concen: 0.739 ppbv m

RT: 9.545 min Scan# 29

Delta R.T. 0.006 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 91 Resp: 23524

Ion Ratio Lower Upper

91 100

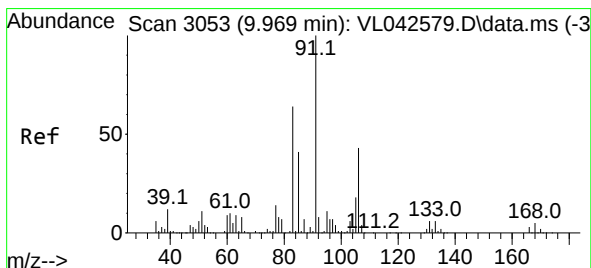
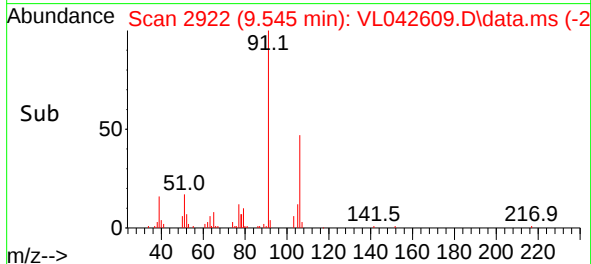
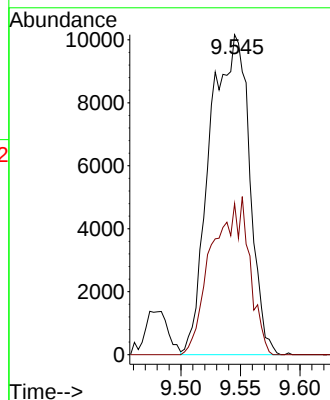
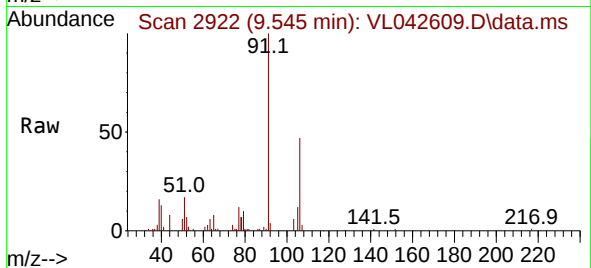
106 0.0 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#60

o-Xylene

Concen: 0.373 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.010 min

Lab File: VL042609.D

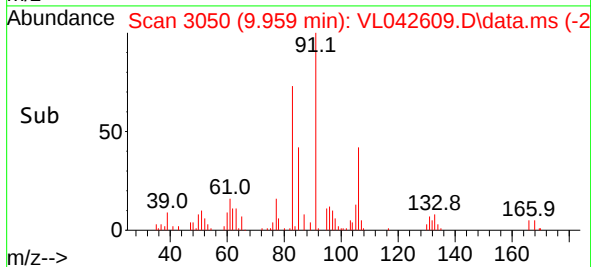
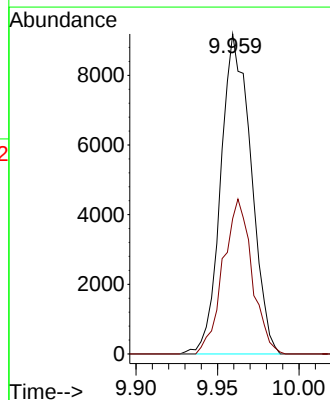
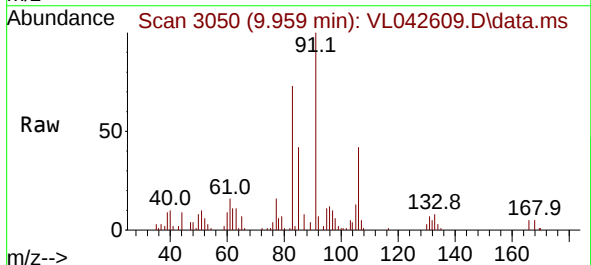
Acq: 03 Jun 2025 14:07

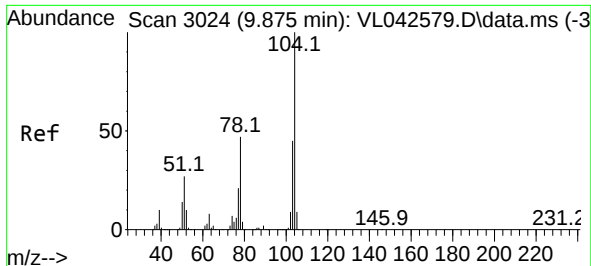
Tgt Ion: 91 Resp: 11857

Ion Ratio Lower Upper

91 100

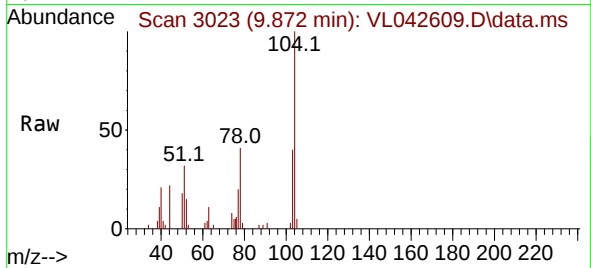
106 46.3 22.9 68.5





#61
Styrene
Concen: 0.316 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

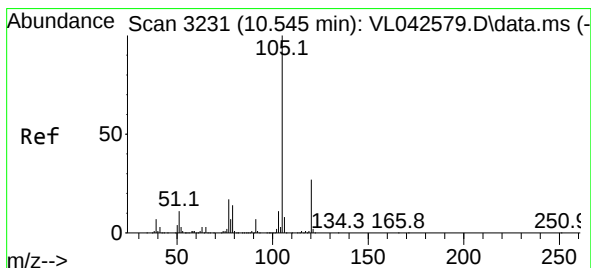
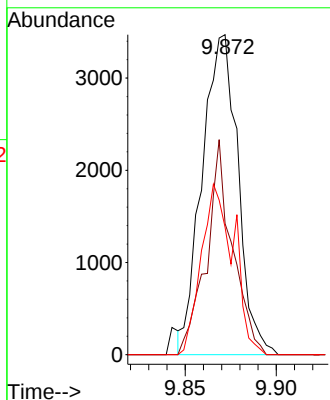
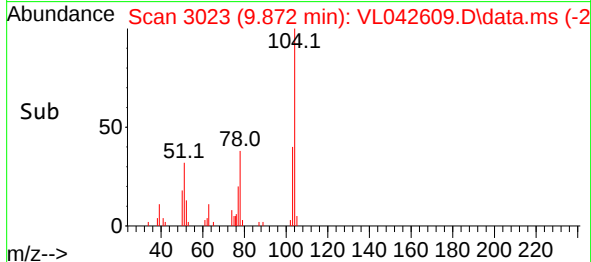
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion:104 Resp: 4740
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.4
103 48.5 36.7 55.1

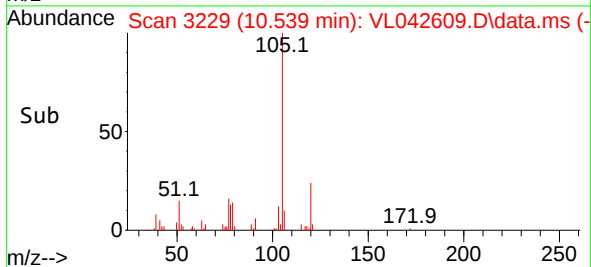
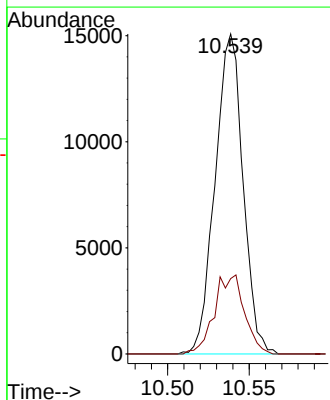
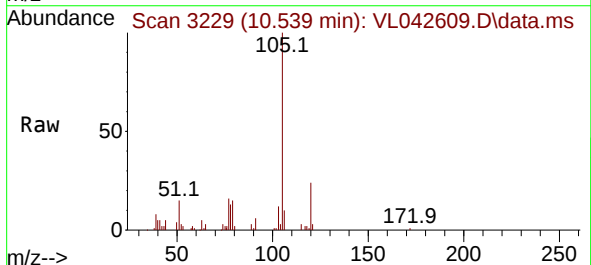
Manual Integrations
APPROVED

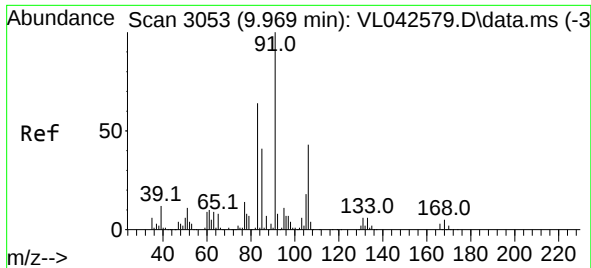
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#62
Isopropylbenzene
Concen: 0.382 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

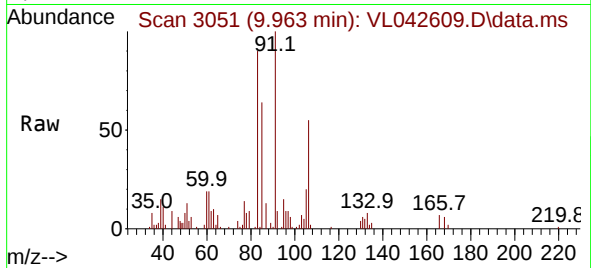
Tgt Ion:105 Resp: 17943
Ion Ratio Lower Upper
105 100
120 26.7 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.455 ppbv
RT: 9.963 min Scan# 3053
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

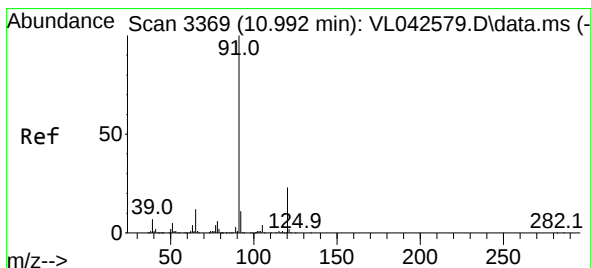
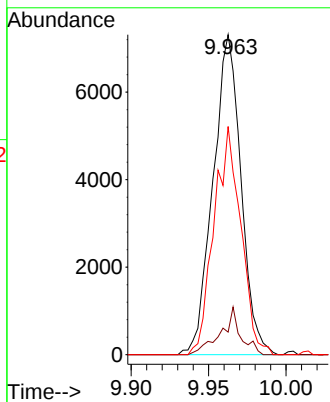
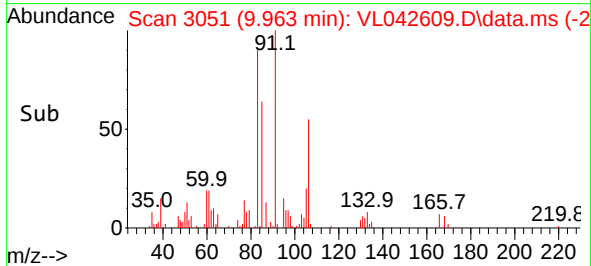
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion: 83 Resp: 9192
Ion Ratio Lower Upper
83 100
131 10.6 4.8 14.4
85 68.5 32.5 97.4

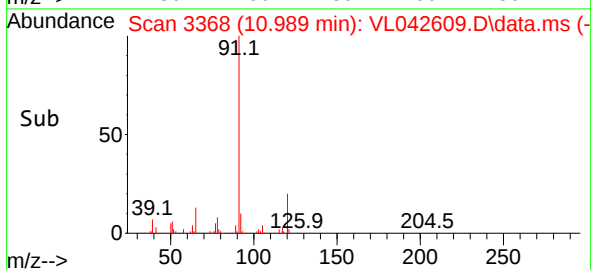
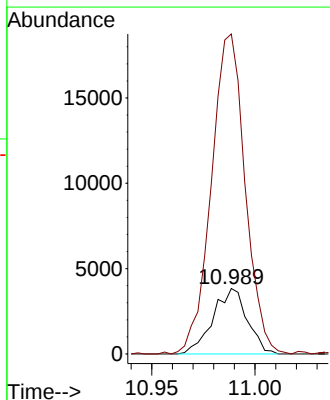
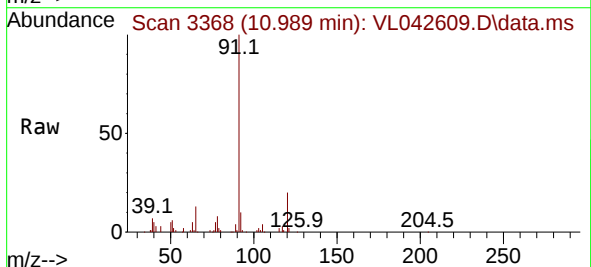
Manual Integrations
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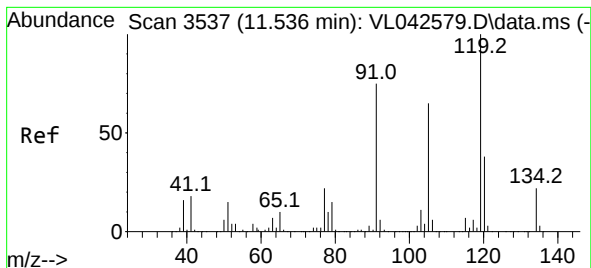
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#64
n-propylbenzene
Concen: 0.352 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:120 Resp: 4433
Ion Ratio Lower Upper
120 100
91 485.0 363.0 544.6





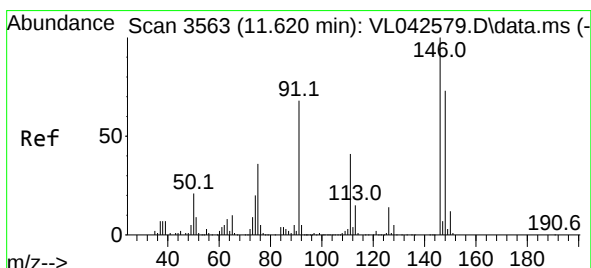
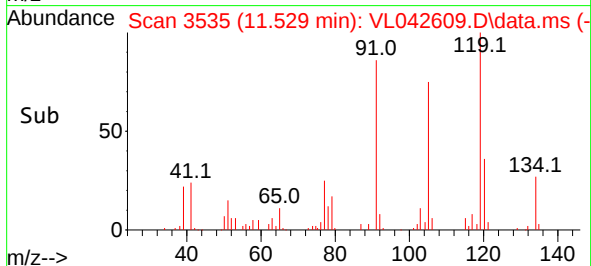
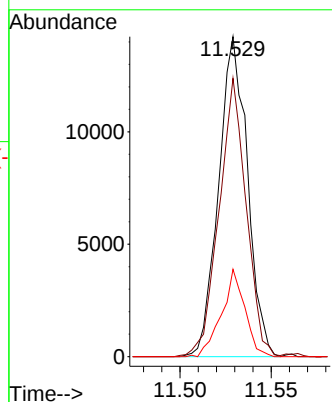
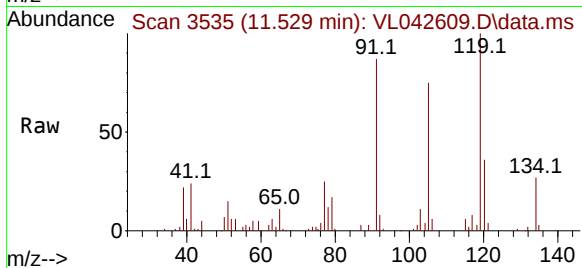
#65
tert-Butylbenzene
Concen: 0.367 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion:119 Resp: 1563
Ion Ratio Lower Upper
119 100
91 82.4 61.1 91.7
134 22.0 17.4 26.2

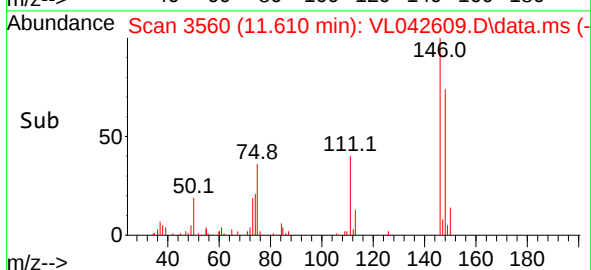
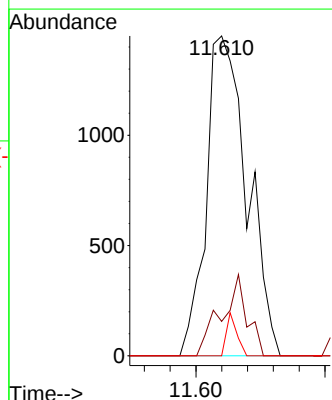
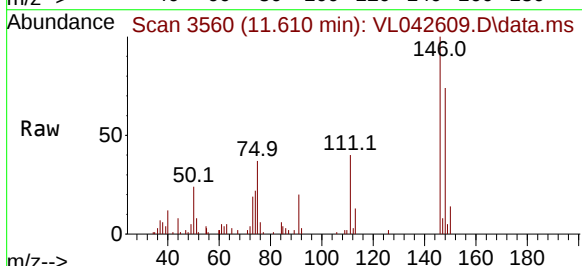
Manual Integrations
APPROVED

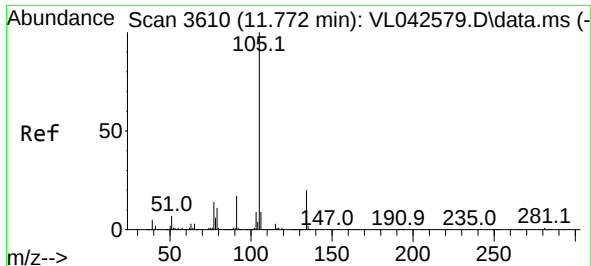
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#66
Benzyl Chloride
Concen: 0.292 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 91 Resp: 1598
Ion Ratio Lower Upper
91 100
126 16.0 15.1 22.7
128 3.3 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.382 ppbv

RT: 11.765 min Scan# 30

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

Tgt Ion:105 Resp: 2283

Ion Ratio Lower Upper

105 100

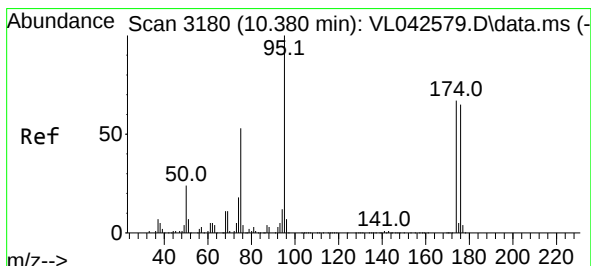
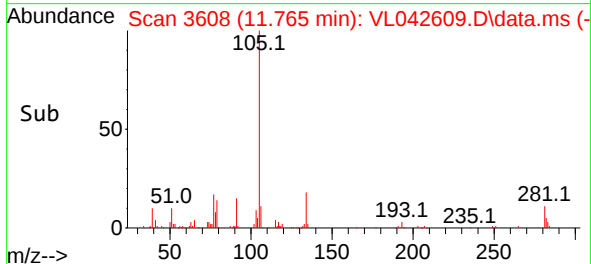
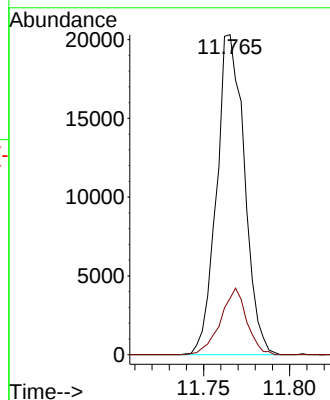
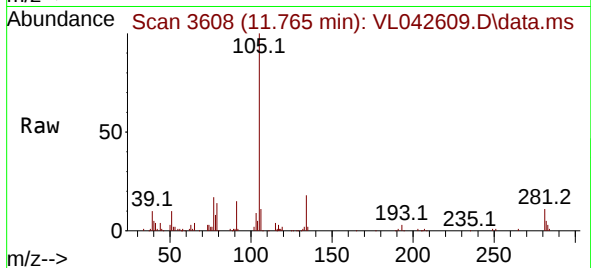
134 19.5 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.291 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

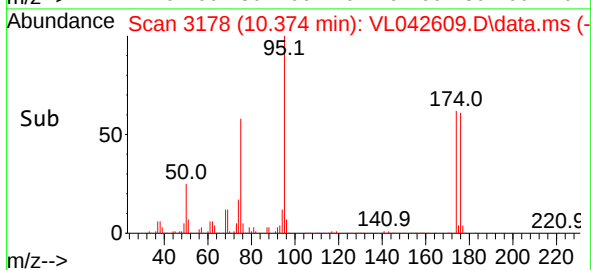
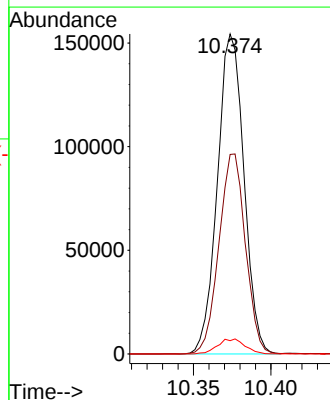
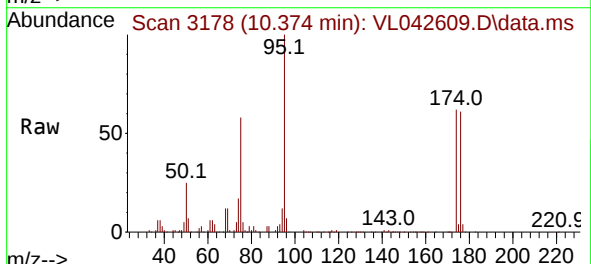
Tgt Ion: 95 Resp: 184010

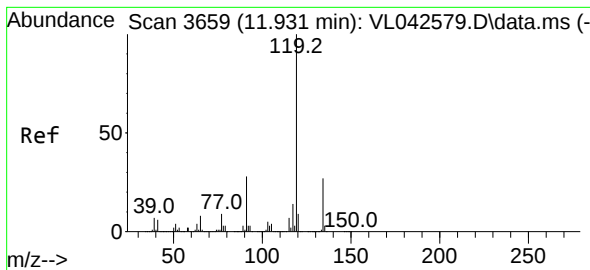
Ion Ratio Lower Upper

95 100

174 62.5 53.1 79.7

175 4.9 4.2 6.2





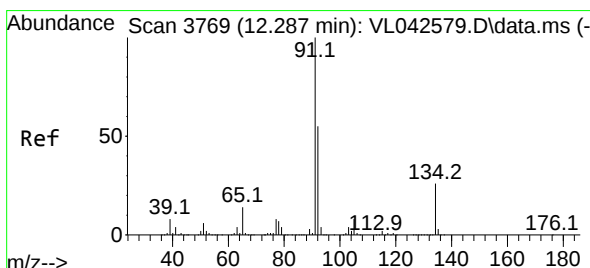
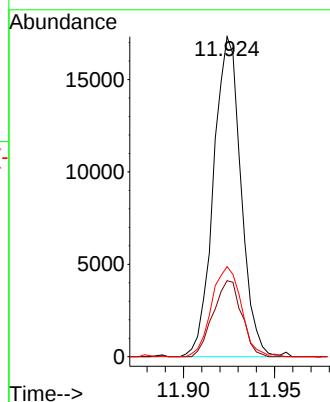
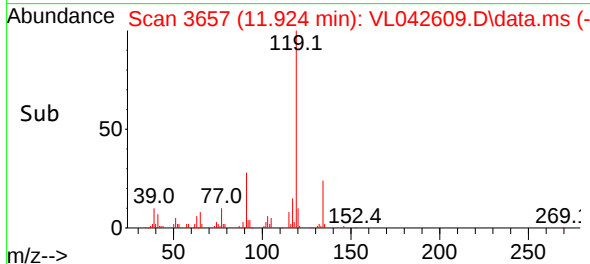
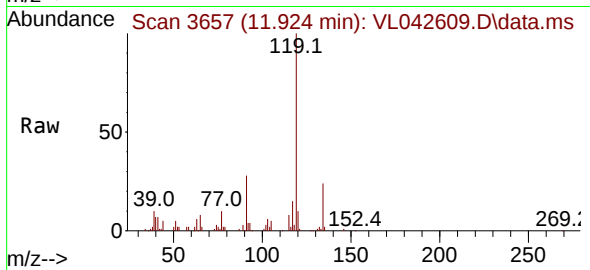
#69
p-Isopropyltoluene
Concen: 0.361 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 119 Resp: 1808
Ion Ratio Lower Upper
119 100
134 24.6 21.1 31.7
91 30.6 21.9 32.9

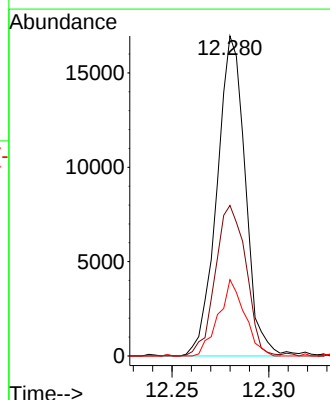
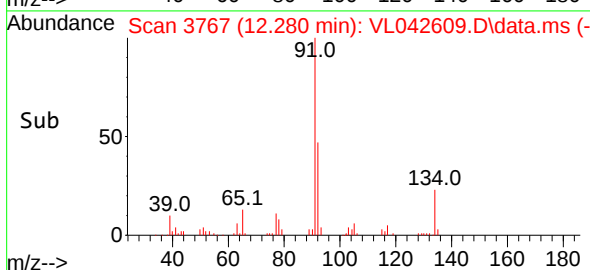
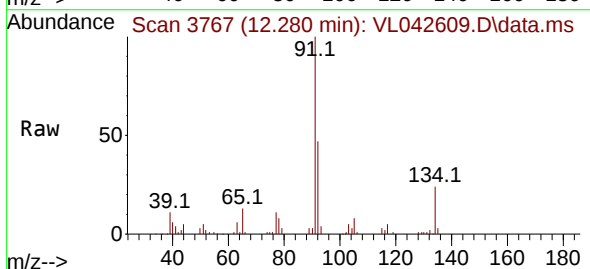
Manual Integrations
APPROVED

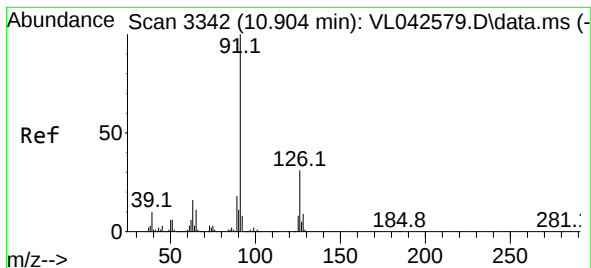
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#70
n-Butylbenzene
Concen: 0.348 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion: 91 Resp: 17215
Ion Ratio Lower Upper
91 100
92 51.3 44.4 66.6
134 22.4 20.1 30.1





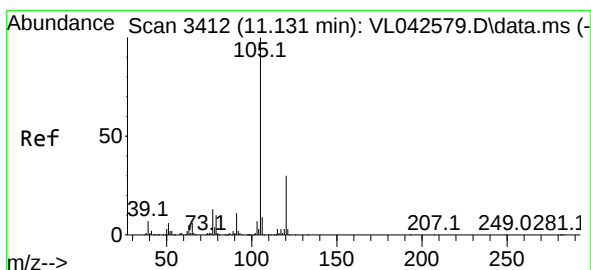
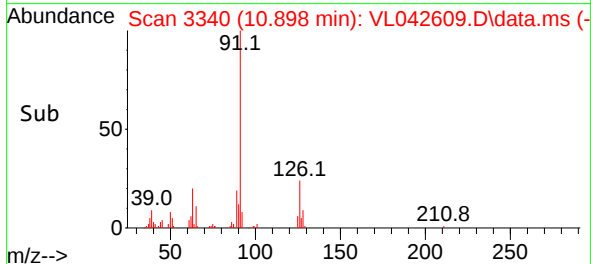
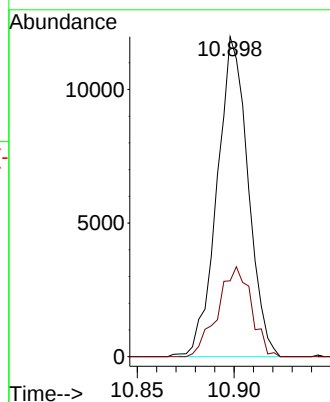
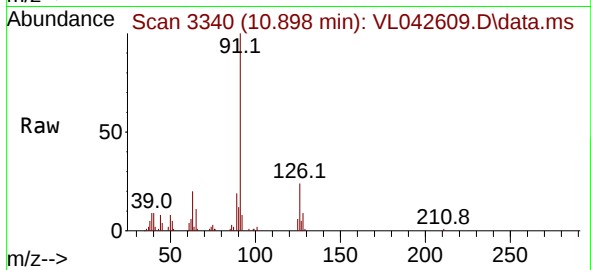
#71
2-Chlorotoluene
Concen: 0.372 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Tgt Ion: 91 Resp: 1330
Ion Ratio Lower Upper
91 100
126 30.4 12.6 50.4

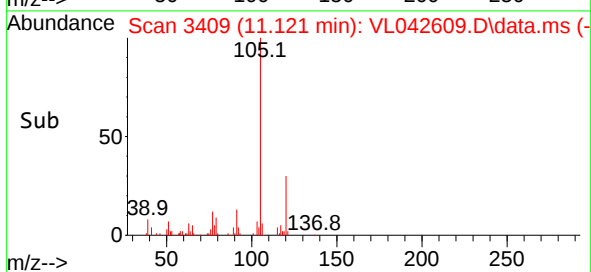
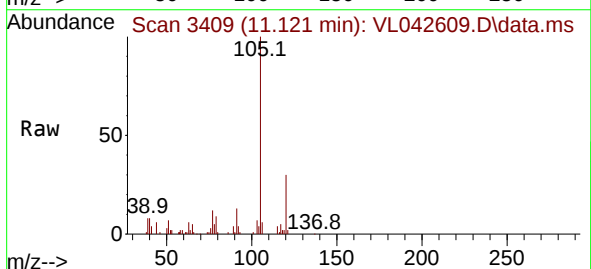
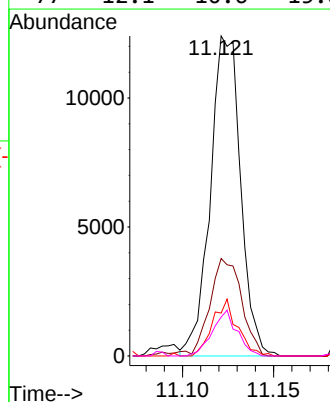
Manual Integrations
APPROVED

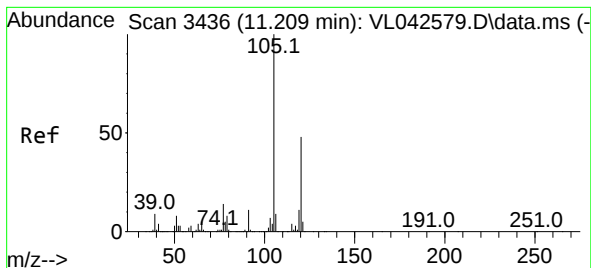
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#72
4-Ethyltoluene
Concen: 0.362 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.010 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

Tgt Ion:105 Resp: 14333
Ion Ratio Lower Upper
105 100
120 32.7 24.6 36.8
91 14.7 9.6 14.4#
77 12.1 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.357 ppbv

RT: 11.199 min Scan# 3436

Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

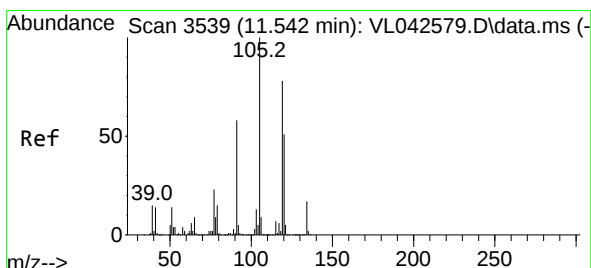
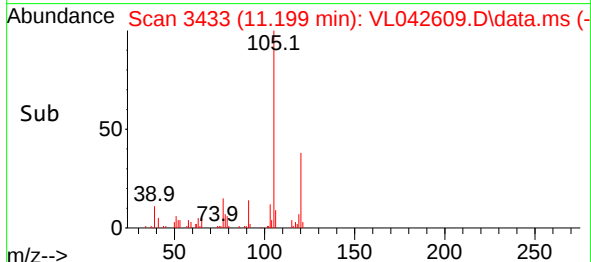
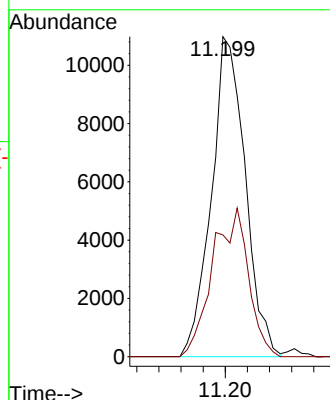
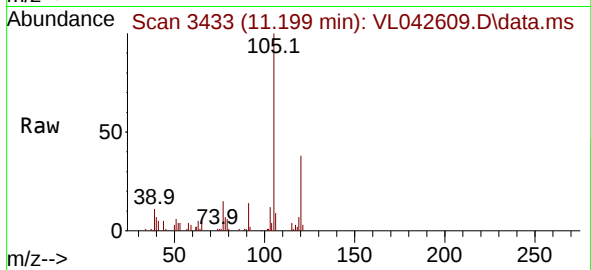
LOD-MDL-AIR-01-QT2-2025

Tgt Ion:105 Resp: 11684
 Ion Ratio Lower Upper
 105 100
 120 38.0 38.8 58.2

Manual Integrations

APPROVED

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



#74

1,2,4-Trimethylbenzene

Concen: 0.390 ppbv

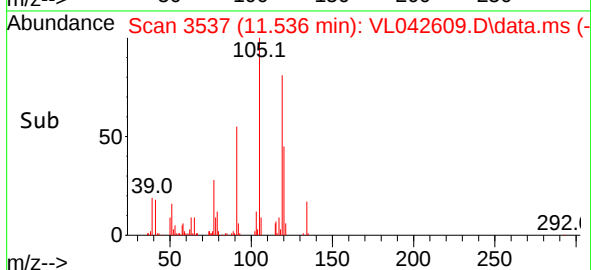
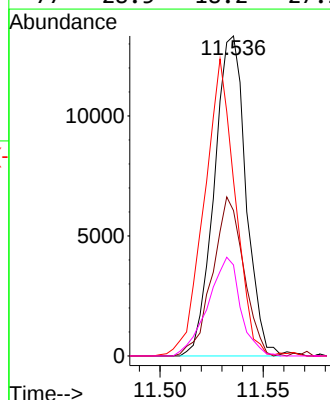
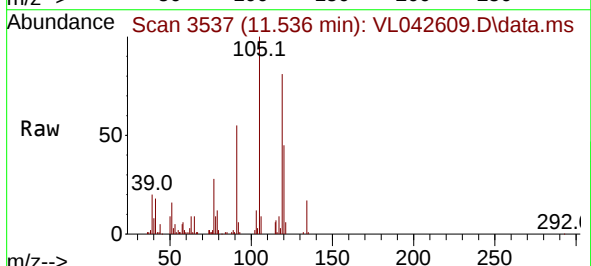
RT: 11.536 min Scan# 3537

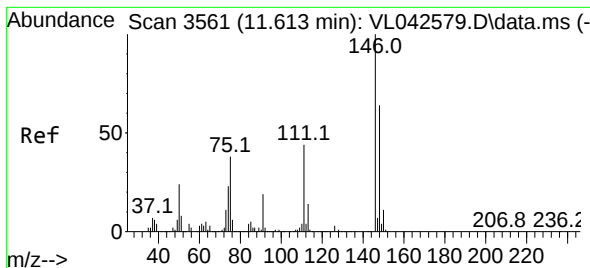
Delta R.T. -0.007 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Tgt Ion:105 Resp: 14197
 Ion Ratio Lower Upper
 105 100
 120 45.0 40.8 61.2
 91 54.0 46.8 70.2
 77 28.5 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 0.425 ppbv

RT: 11.603 min Scan# 3558

Delta R.T. -0.010 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025

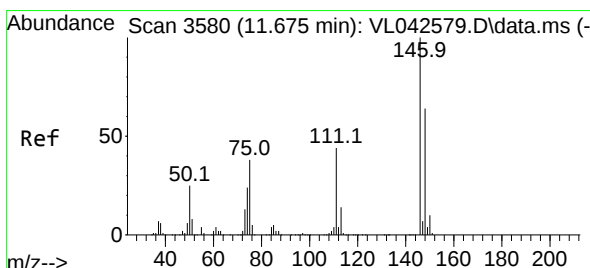
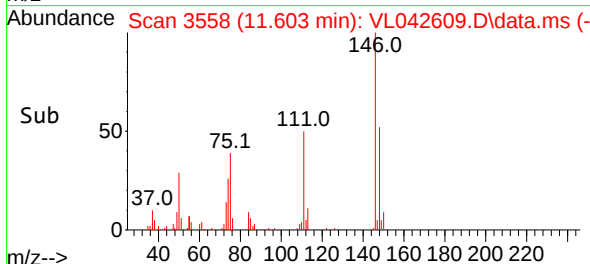
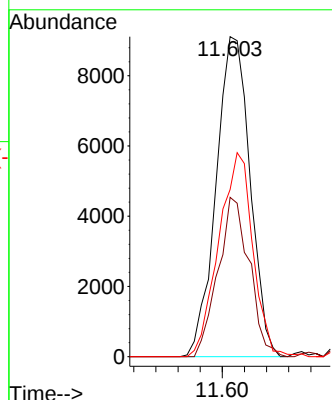
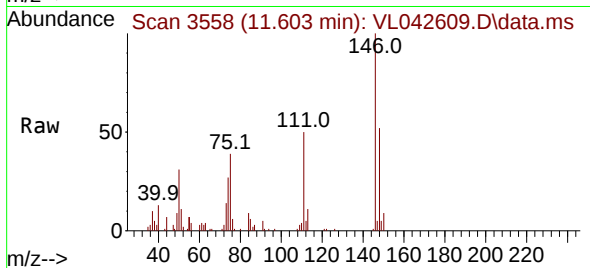
Tgt Ion:	146	Resp:	9710
Ion Ratio	Lower	Upper	
146	100		
111	46.4	22.4	67.3
148	64.0	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025

Supervised By :Mahesh Dadoda 06/06/2025



#76

1,4-Dichlorobenzene

Concen: 0.424 ppbv

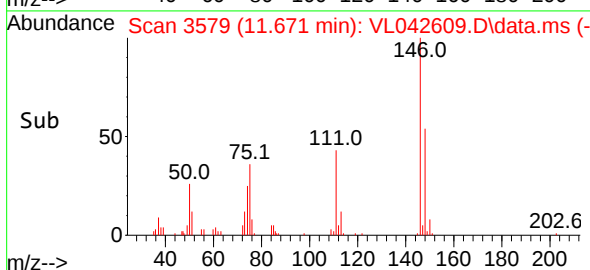
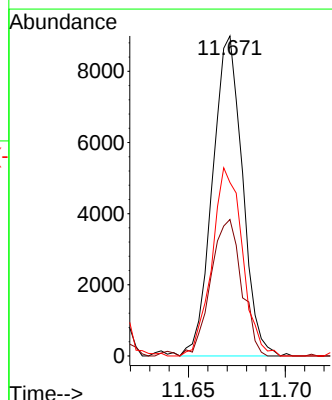
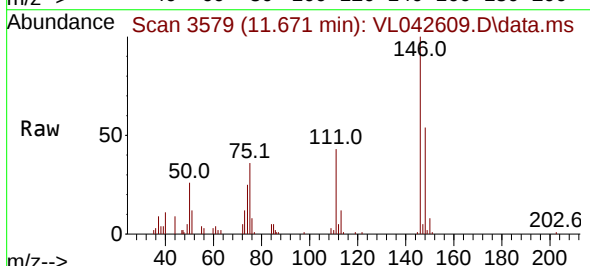
RT: 11.671 min Scan# 3579

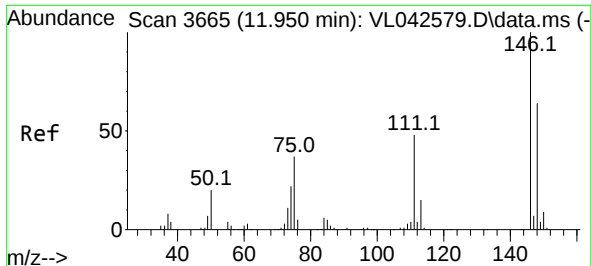
Delta R.T. -0.003 min

Lab File: VL042609.D

Acq: 03 Jun 2025 14:07

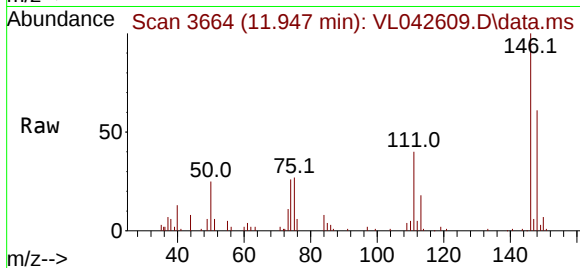
Tgt Ion:	146	Resp:	9652
Ion Ratio	Lower	Upper	
146	100		
111	44.7	21.6	64.8
148	59.8	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 0.474 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

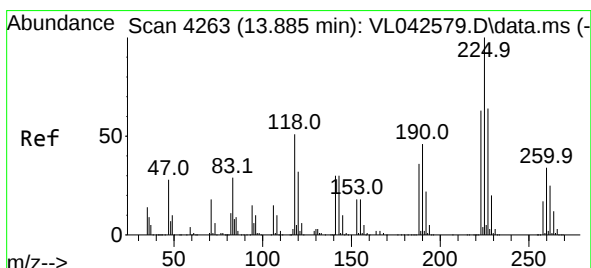
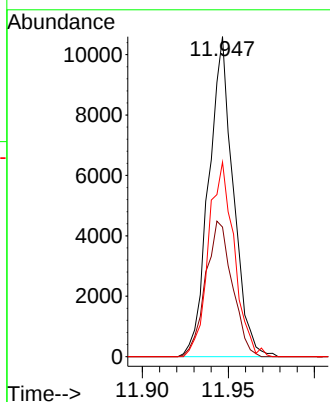
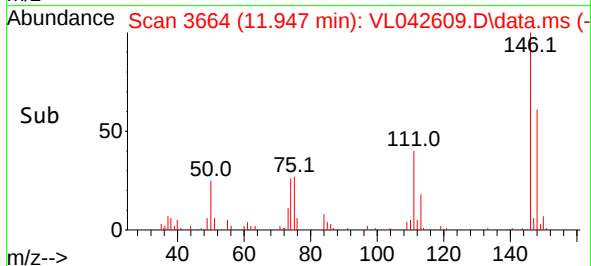
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



Tgt Ion:146 Resp: 1051
Ion Ratio Lower Upper
146 100
111 45.9 23.1 69.3
148 63.6 32.1 96.3

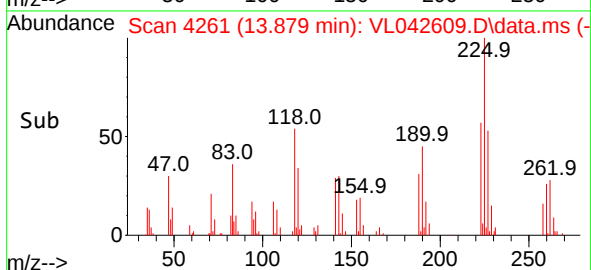
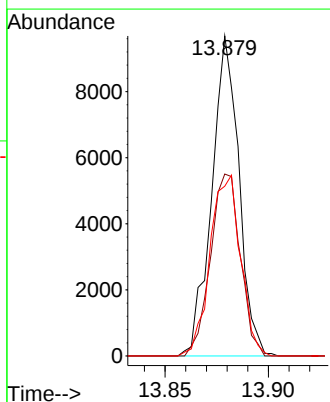
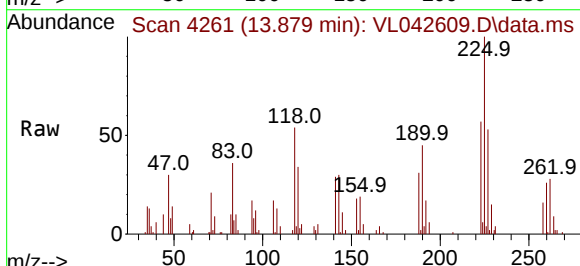
Manual Integrations
APPROVED

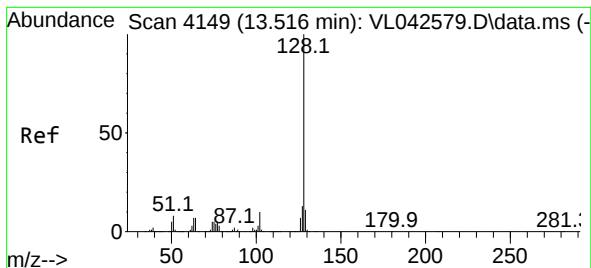
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.484 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

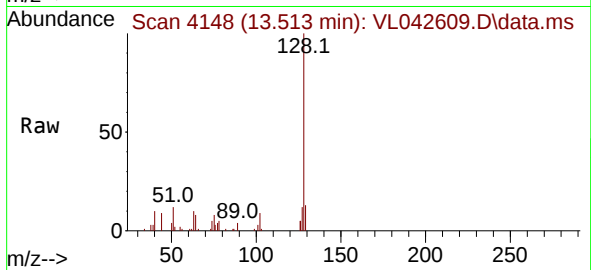
Tgt Ion:225 Resp: 8870
Ion Ratio Lower Upper
225 100
223 62.2 50.2 75.4
227 63.2 51.1 76.7





#79
Naphthalene
Concen: 0.256 ppbv
RT: 13.513 min Scan# 4149
Delta R.T. -0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07

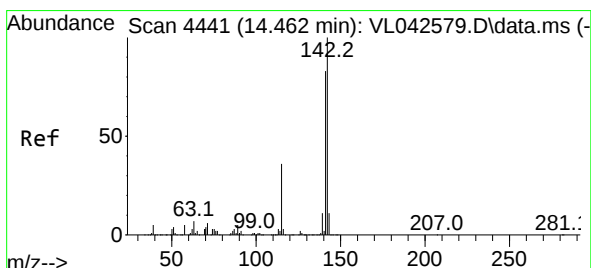
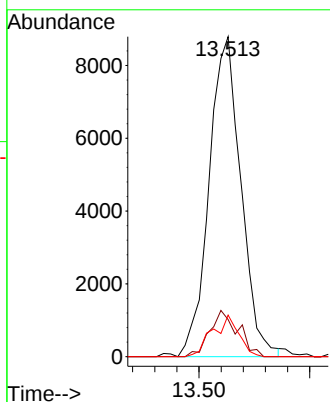
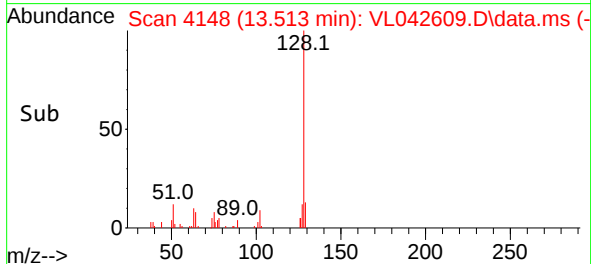
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025



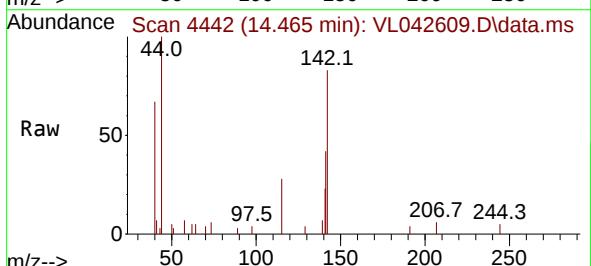
Tgt Ion:128 Resp: 878
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 13.0 8.8 13.2

Manual Integrations
APPROVED

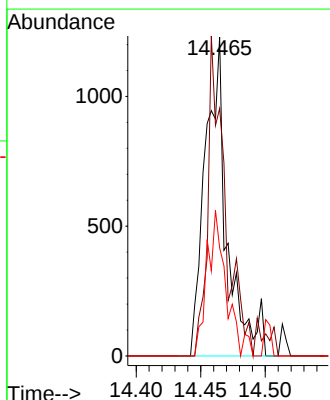
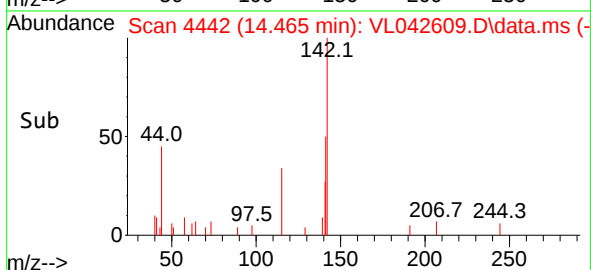
Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

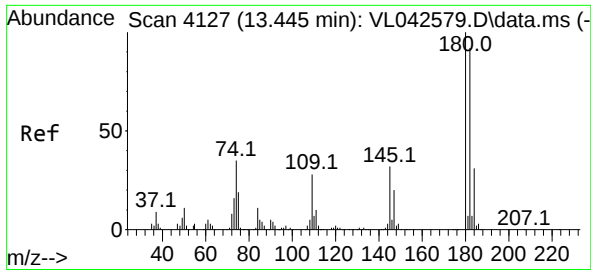


#80
Naphthalene,2-methyl-
Concen: 0.093 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.003 min
Lab File: VL042609.D
Acq: 03 Jun 2025 14:07



Tgt Ion:142 Resp: 1437
Ion Ratio Lower Upper
142 100
141 85.5 66.2 99.4
115 40.2 28.3 42.5





#81

1,2,4-Trichlorobenzene

Concen: 0.254 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042609.D

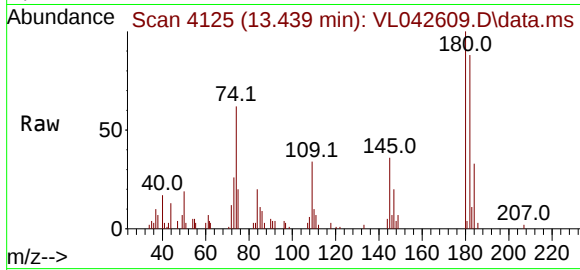
Acq: 03 Jun 2025 14:07

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2025



Tgt Ion:	180	Resp:	4869
Ion Ratio	Lower	Upper	
180	100		
182	98.4	75.0	112.4
184	31.2	24.6	36.8

Manual Integrations

APPROVED

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

