

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041949.D
 Acq On : 27 Jan 2025 13:36
 Operator : SY/MD
 Sample : Q1168-13 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025

Quant Time: Jan 28 02:36:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	139423	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	394229	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	340733	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	259389	9.665	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	10010	0.527	ppbv	99
3) Chlorodifluoromethane	1.480	51	10588	0.532	ppbv	95
4) Chloromethane	1.538	50	4051	0.567	ppbv #	68
5) Vinyl Chloride	1.586	62	3802	0.526	ppbv	100
6) Bromomethane	1.674	94	1655	0.480	ppbv #	79
7) Chloroethane	1.709	64	1476	0.524	ppbv #	62
8) Dichlorotetrafluoroethane	1.557	85	8483	0.511	ppbv	94
9) Propene	1.489	41	3997	0.488	ppbv	88
10) Heptane	5.001	43	8985m	0.410	ppbv	
11) Trichlorofluoromethane	1.884	101	10107	0.512	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.150	101	8218	0.531	ppbv	97
13) Ethanol	1.729	45	579	0.965	ppbv	94
14) Bromoethene	1.787	108	2875	0.507	ppbv #	93
15) Acetone	1.842	43	11673	0.697	ppbv	99
16) 1,3-Butadiene	1.615	39	4078	0.543	ppbv	94
17) tert-Butyl alcohol	2.052	59	10611	0.515	ppbv #	91
18) 1,1-Dichloroethene	2.039	96	3443	0.493	ppbv	91
19) Isopropyl Alcohol	1.894	45	6115	0.616	ppbv #	32
20) Methylene Chloride	2.069	84	3918	0.592	ppbv	90
21) Allyl Chloride	2.104	41	5647	0.487	ppbv	88
22) trans-1,2-Dichloroethene	2.350	96	3761	0.478	ppbv #	65
23) Vinyl Acetate	2.473	43	4189m	0.505	ppbv	
24) 1,1-Dichloroethane	2.421	63	8022	0.527	ppbv #	91
25) Ethyl Acetate	2.855	43	20458	0.453	ppbv	97
26) Hexane	2.836	57	7821	0.438	ppbv #	86
27) Carbon Disulfide	2.159	76	8379	0.474	ppbv #	12
28) Methyl tert-Butyl Ether	2.454	73	5555	0.407	ppbv #	89
29) Chloroform	2.858	83	14487	0.513	ppbv	90
30) Cyclohexane	3.875	84	6160	0.398	ppbv #	89
31) cis-1,2-Dichloroethene	2.732	61	8643	0.460	ppbv #	87
32) 1,1,1-Trichloroethane	3.379	97	13112	0.485	ppbv	95
34) 2-Butanone	2.574	43	14175	0.565	ppbv	99
35) Carbon Tetrachloride	3.781	117	12541	0.506	ppbv #	93
36) Benzene	3.674	78	17434m	0.482	ppbv	
37) 1,2-Dichloroethane	3.231	62	11011	0.542	ppbv #	94
38) Trichloroethene	4.564	130	7274m	0.507	ppbv	
39) 1,2-Dichloropropane	4.337	63	6825	0.538	ppbv	89
40) 1,4-Dioxane	4.629	88	3236m	0.505	ppbv	
41) Tetrahydrofuran	3.078	42	6887m	0.505	ppbv	
42) Bromodichloromethane	4.506	83	13024m	0.478	ppbv	
43) Methyl Methacrylate	4.904	69	5233m	0.390	ppbv	
44) 2,2,4-Trimethylpentane	4.664	57	25175	0.430	ppbv	93
45) t-1,3-Dichloropropene	6.451	75	4438m	0.353	ppbv	

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Manual Integrations
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Quant Time: Jan 28 02:36:03 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	6389m	0.387	ppbv	
47) 1,1,2-Trichloroethane	6.610	97	7671m	0.571	ppbv	
48) Dibromochloromethane	7.409	129	9946	0.480	ppbv	99
49) Bromoform	9.500	173	7041m	0.413	ppbv	
50) 4-Methyl-2-Pentanone	5.794	43	14006m	0.409	ppbv	
51) 2-Hexanone	7.474	43	9881m	0.376	ppbv	
52) Tetrachloroethene	8.244	164	5984m	0.477	ppbv	
53) Toluene	6.959	91	15247	0.387	ppbv	95
54) 1,2-Dibromoethane	7.678	107	9109m	0.493	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.943	131	8391	0.494	ppbv #	65
57) Chlorobenzene	8.940	112	17331	0.551	ppbv #	87
58) Ethyl Benzene	9.370	91	19424	0.365	ppbv	96
59) m/p-Xylene	9.571	91	31037m	0.727	ppbv	
60) o-Xylene	9.979	91	15387	0.363	ppbv	98
61) Styrene	9.882	104	6327	0.333	ppbv	94
62) Isopropylbenzene	10.552	105	26180	0.399	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.976	83	14997	0.554	ppbv	98
64) n-propylbenzene	11.002	120	6152	0.371	ppbv	92
65) tert-Butylbenzene	11.545	119	21391	0.358	ppbv	99
66) Benzyl Chloride	11.633	91	1484m	0.401	ppbv	
67) sec-Butylbenzene	11.779	105	32120	0.390	ppbv	98
69) p-Isopropyltoluene	11.940	119	24328	0.359	ppbv	97
70) n-Butylbenzene	12.293	91	23438	0.349	ppbv	95
71) 2-Chlorotoluene	10.914	91	17792	0.367	ppbv	95
72) 4-Ethyltoluene	11.138	105	17031	0.336	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.215	105	15683	0.350	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	18331	0.378	ppbv #	75
75) 1,3-Dichlorobenzene	11.617	146	14333	0.499	ppbv	96
76) 1,4-Dichlorobenzene	11.685	146	13591	0.484	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	14661	0.515	ppbv	97
78) Hexachloro-1,3-Butadiene	13.892	225	11364	0.486	ppbv	96
79) Naphthalene	13.523	128	14298	0.293	ppbv	94
80) Naphthalene,2-methyl-	14.468	142	3436	0.149	ppbv	96
81) 1,2,4-Trichlorobenzene	13.452	180	9238	0.388	ppbv	97

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

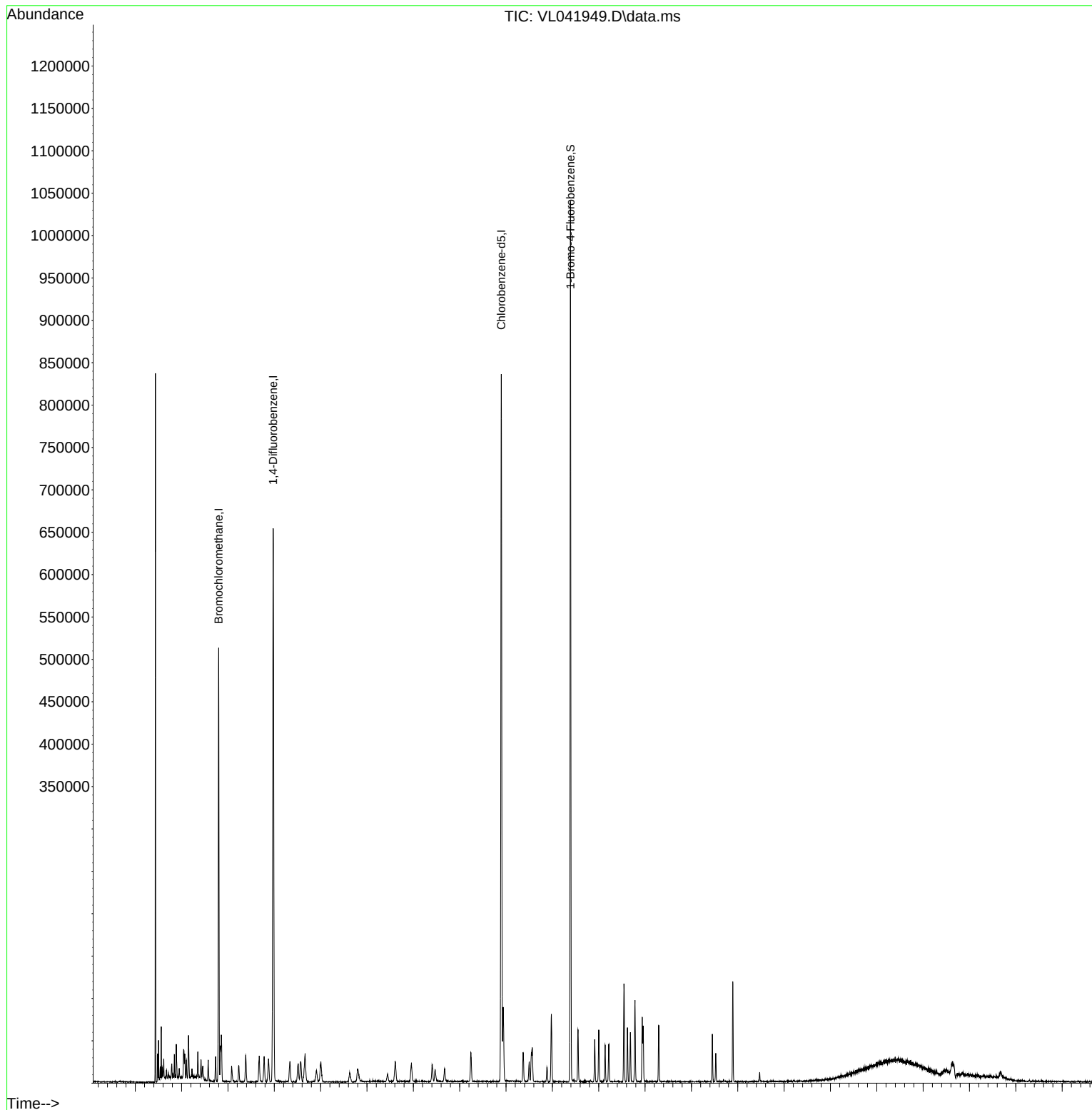
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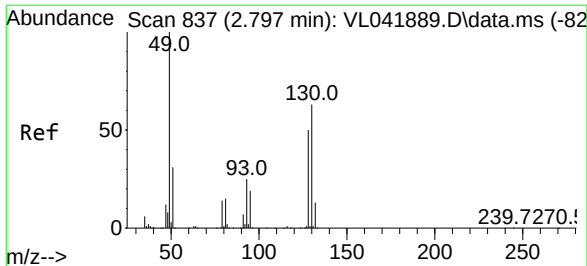
Instrument :
MSVOA_L
ClientSampleId :
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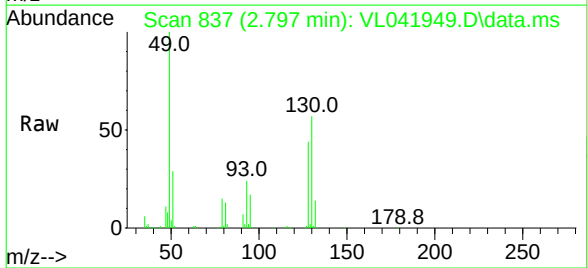
Reviewed By : Semsettin Yesilyurt 01/30/2025
Supervised By : Mahesh Dadoda 01/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041949.D
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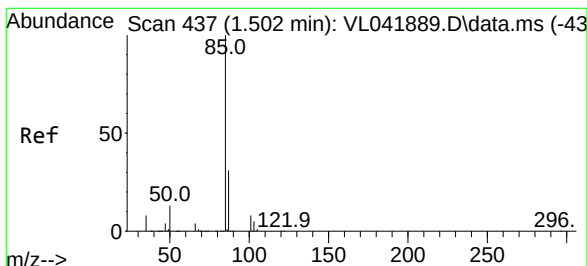
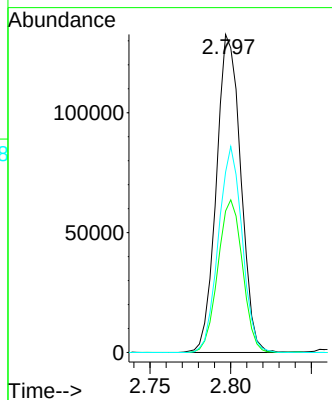
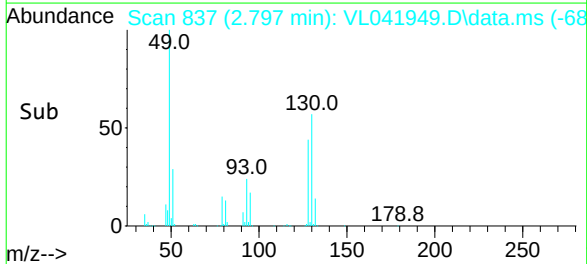
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 49 Resp: 139423
Ion Ratio Lower Upper
49 100
128 48.5 24.3 73.0
130 63.1 31.1 93.2

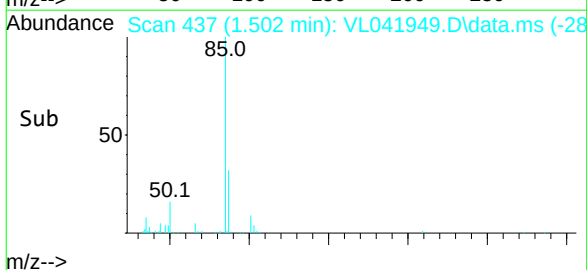
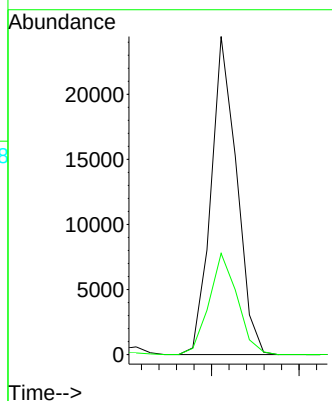
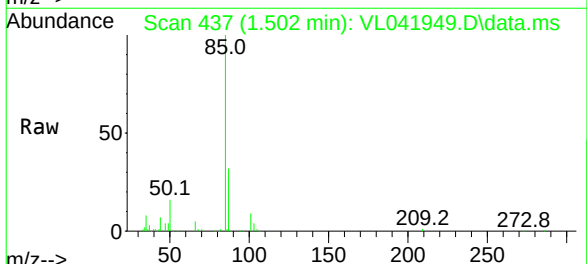
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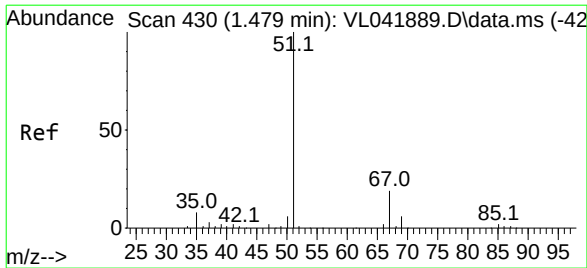
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#2
Dichlorodifluoromethane
Concen: 0.527 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 85 Resp: 10010
Ion Ratio Lower Upper
85 100
87 31.8 24.9 37.3





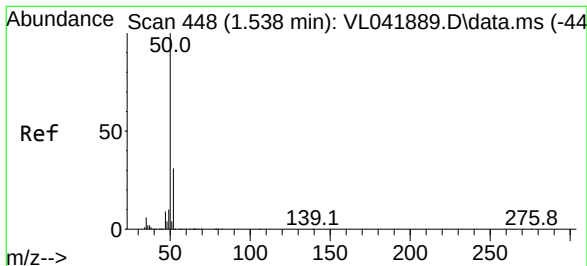
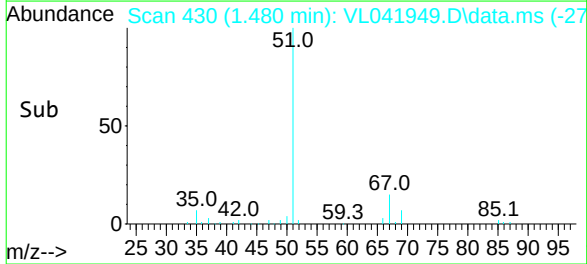
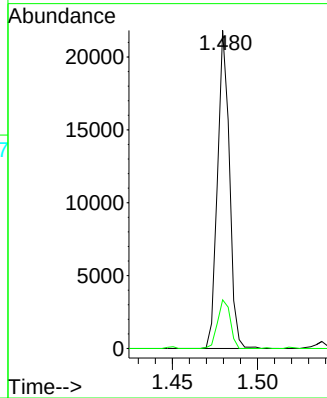
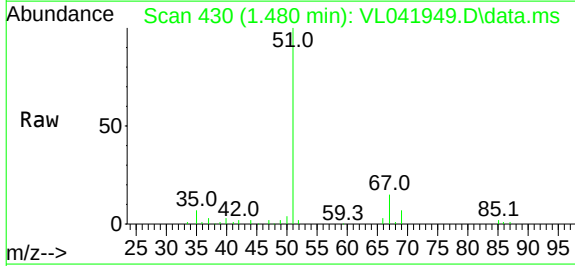
#3
Chlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.480 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 51 Resp: 10588
Ion Ratio Lower Upper
51 100
67 16.2 15.0 22.4

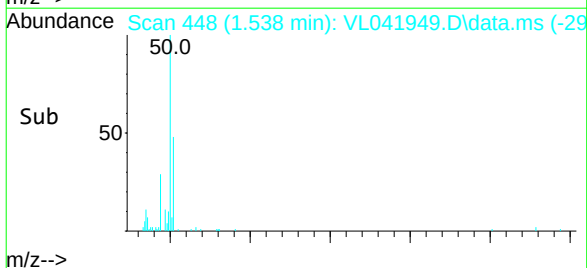
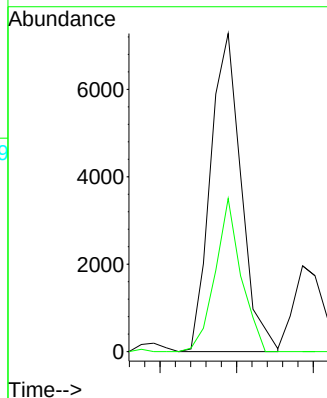
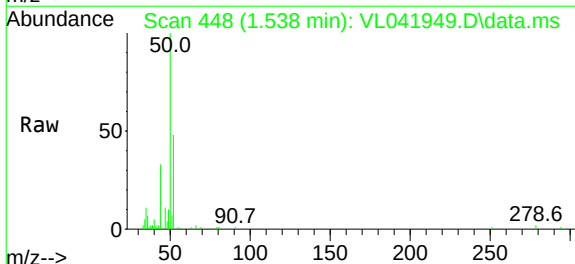
Manual Integrations
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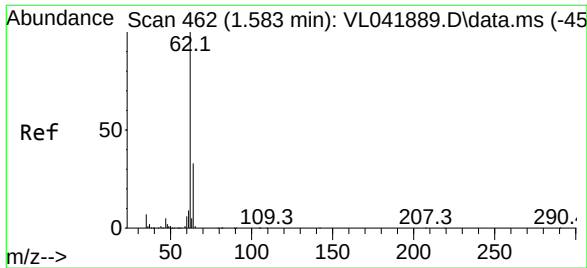
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#4
Chloromethane
Concen: 0.567 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

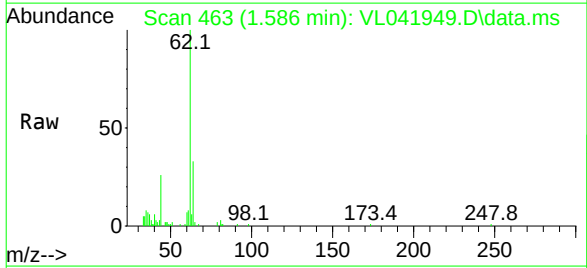
Tgt Ion: 50 Resp: 4051
Ion Ratio Lower Upper
50 100
52 48.1 24.6 36.8#





#5
 Vinyl Chloride
 Concen: 0.526 ppbv
 RT: 1.586 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

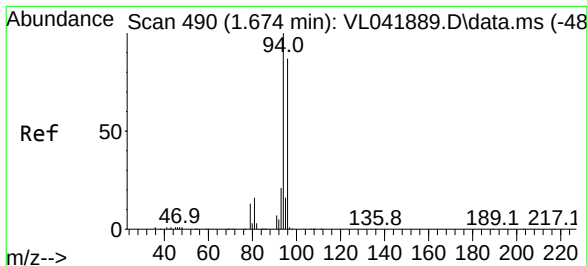
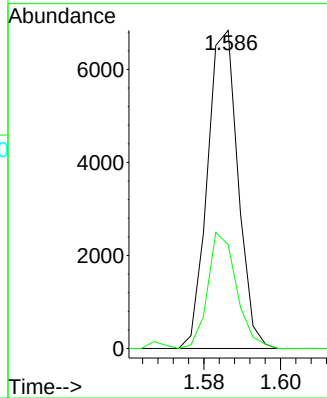
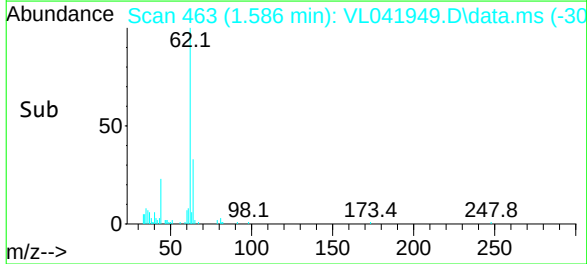
Instrument :
 MSVOA_L
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Tgt Ion: 62 Resp: 3802
 Ion Ratio Lower Upper
 62 100
 64 32.6 26.1 39.1

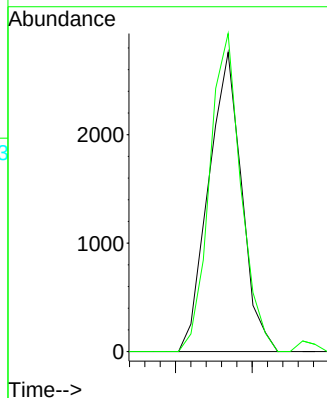
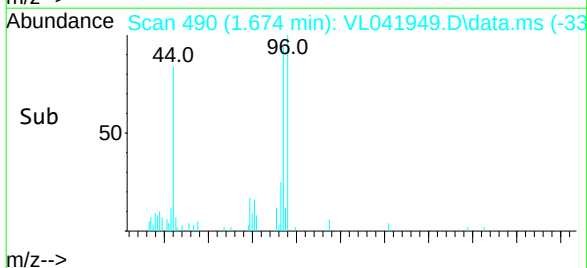
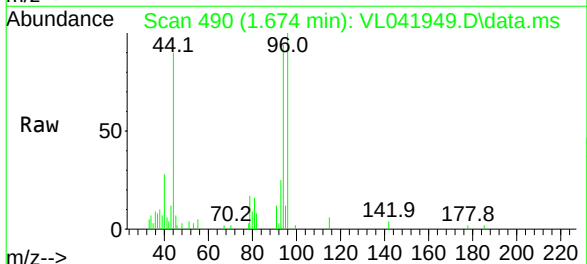
Manual Integrations
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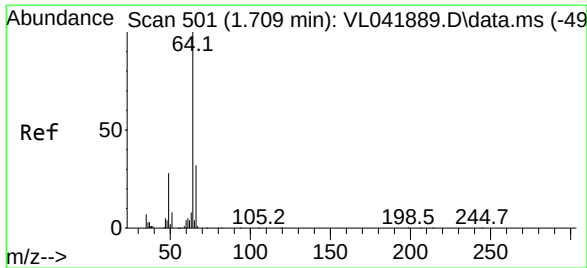
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#6
 Bromomethane
 Concen: 0.480 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL041949.D
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Tgt Ion: 94 Resp: 1655
 Ion Ratio Lower Upper
 94 100
 96 106.3 69.5 104.3





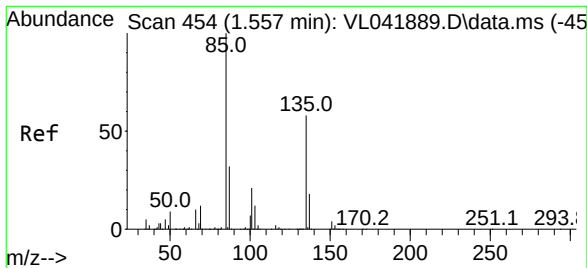
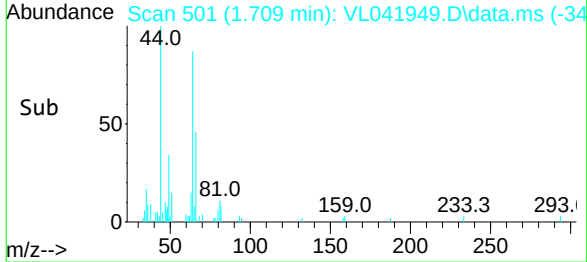
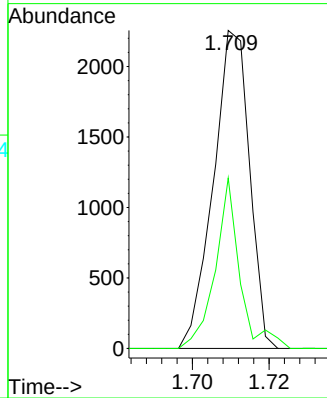
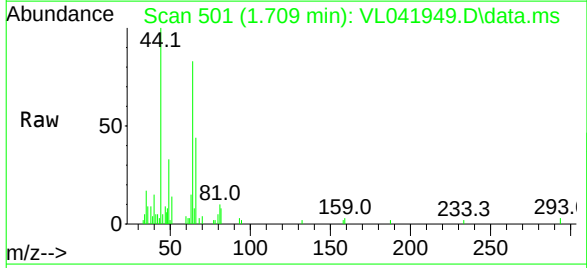
#7
Chloroethane
Concen: 0.524 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_L
ClientSampleId :
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Tgt Ion: 64 Resp: 1476
Ion Ratio Lower Upper
64 100
66 53.6 25.7 38.5#

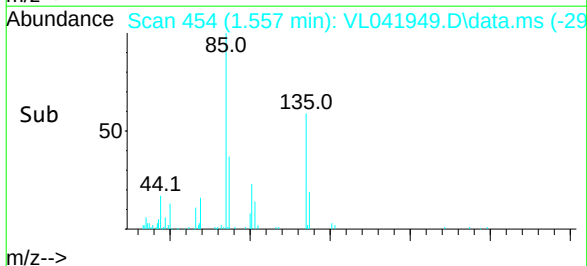
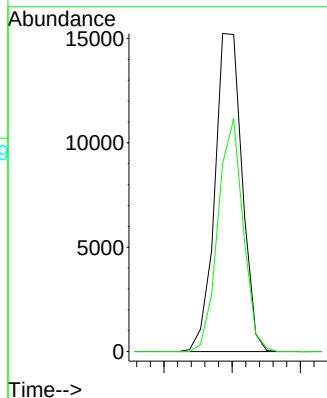
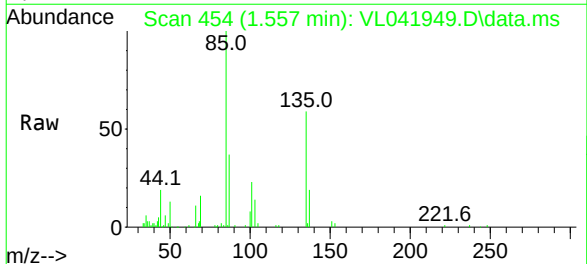
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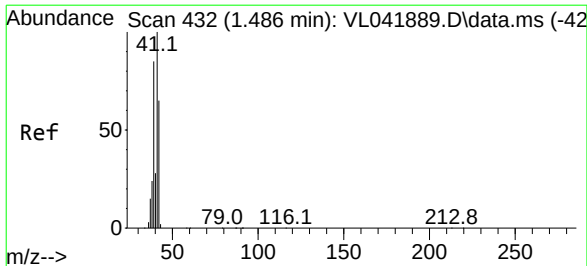
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#8
Dichlorotetrafluoroethane
Concen: 0.511 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

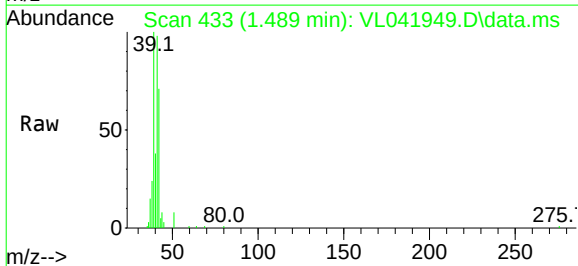
Tgt Ion: 85 Resp: 8483
Ion Ratio Lower Upper
85 100
135 67.3 50.0 75.0





#9
Propene
Concen: 0.488 ppbv
RT: 1.489 min Scan# 43
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

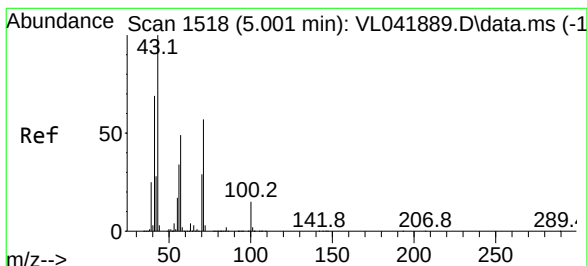
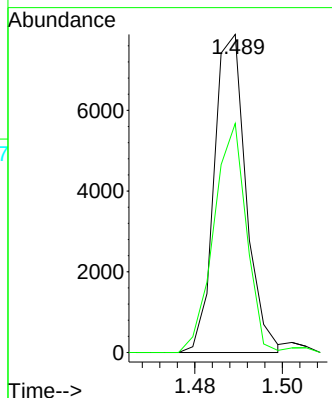
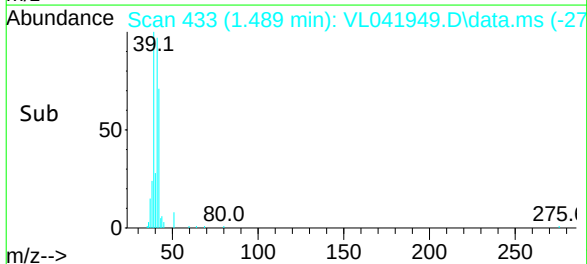
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Tgt Ion: 41 Resp: 3997
Ion Ratio Lower Upper
41 100
42 74.7 52.0 78.0

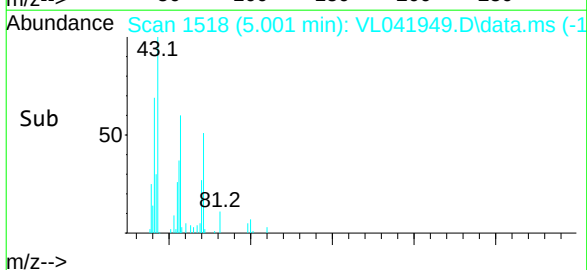
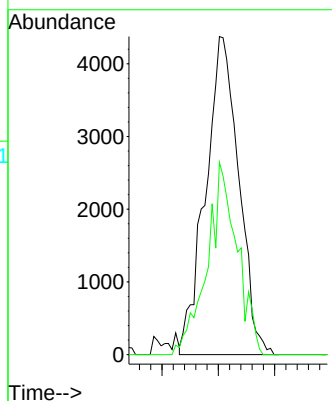
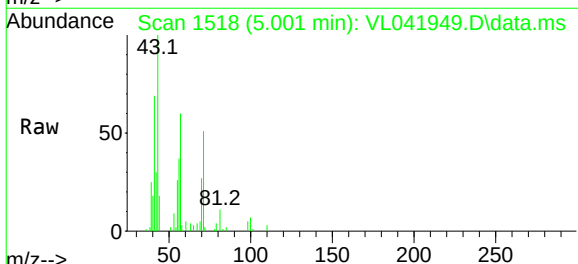
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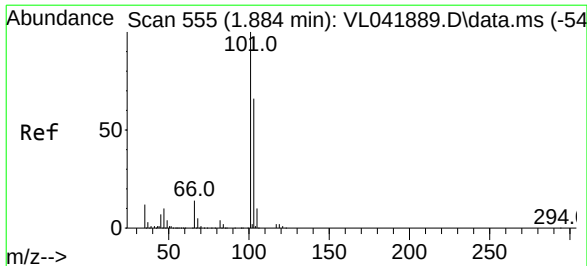
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#10
Heptane
Concen: 0.410 ppbv m
RT: 5.001 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 43 Resp: 8985
Ion Ratio Lower Upper
43 100
57 54.4 41.0 61.4





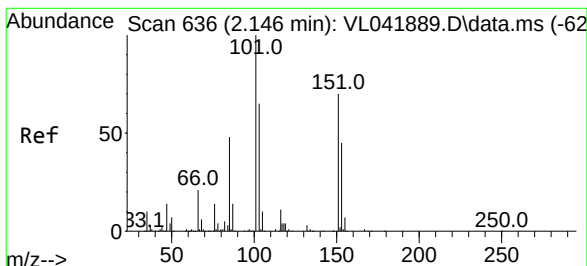
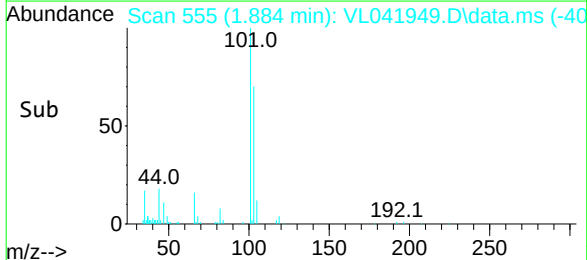
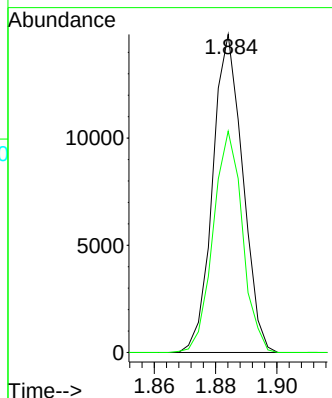
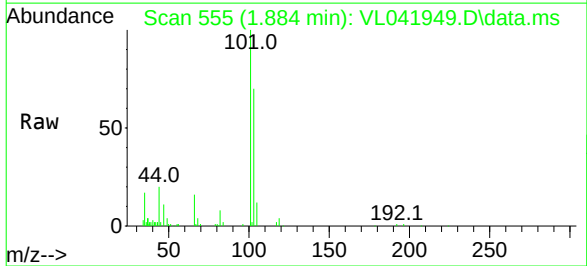
#11
Trichlorofluoromethane
Concen: 0.512 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion:101 Resp: 10107
Ion Ratio Lower Upper
101 100
103 69.6 53.1 79.7

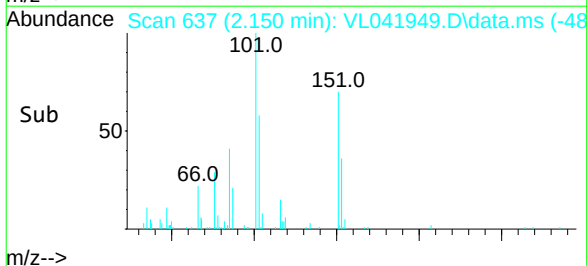
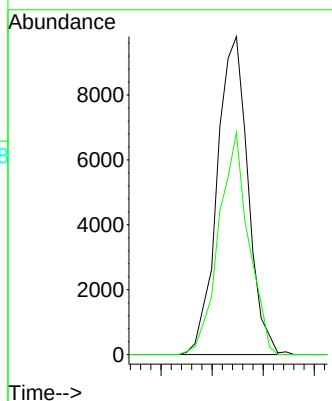
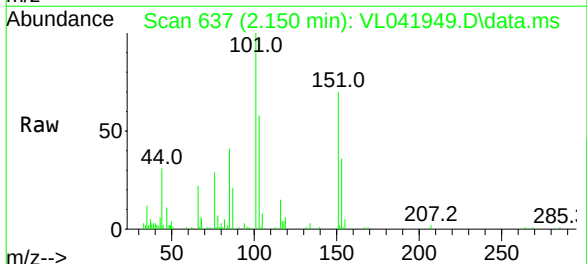
Manual Integrations
APPROVED

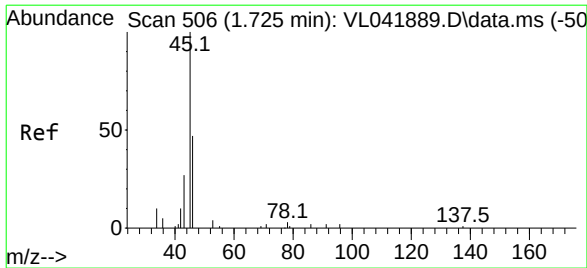
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.531 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion:101 Resp: 8218
Ion Ratio Lower Upper
101 100
151 67.6 56.1 84.1





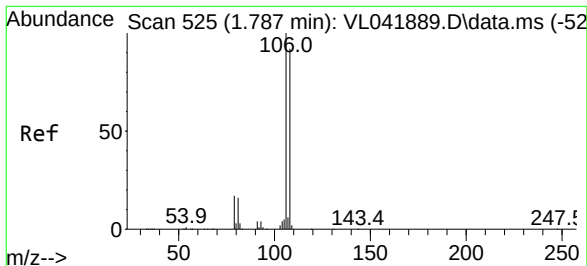
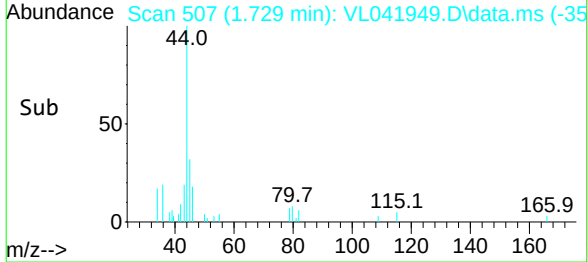
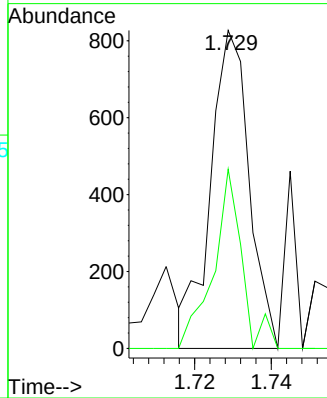
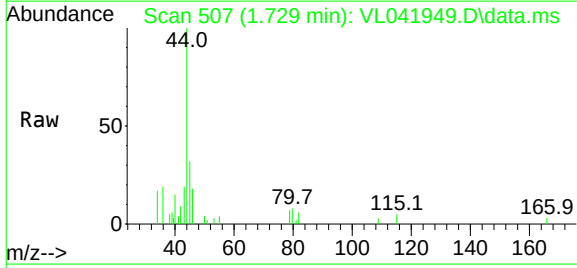
#13
Ethanol
Concen: 0.965 ppbv
RT: 1.729 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 45 Resp: 579
Ion Ratio Lower Upper
45 100
46 41.5 18.1 72.5

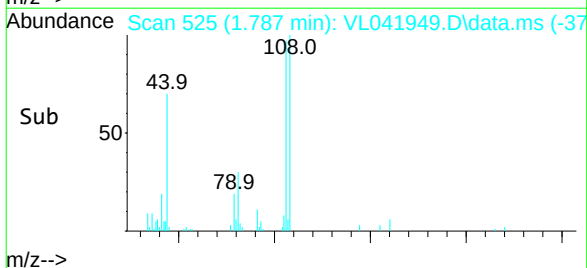
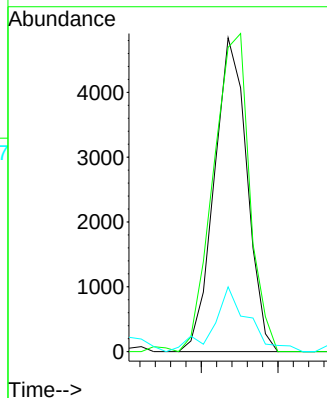
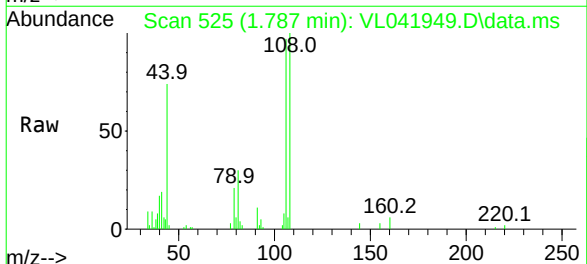
Manual Integrations
APPROVED

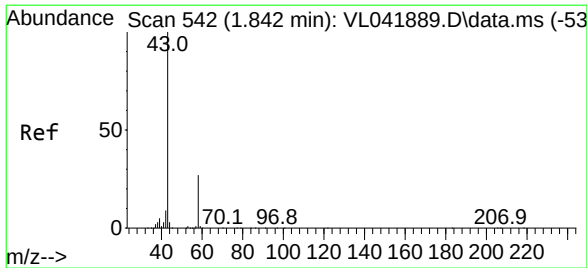
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#14
Bromoethene
Concen: 0.507 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion:108 Resp: 2875
Ion Ratio Lower Upper
108 100
106 112.6 85.5 128.3
79 25.1 15.3 22.9#





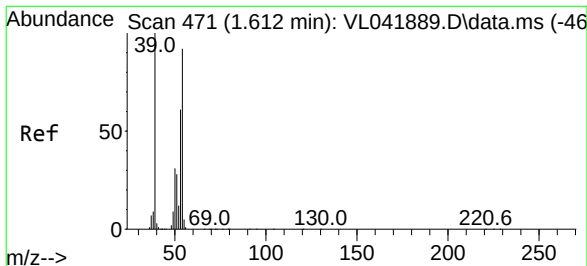
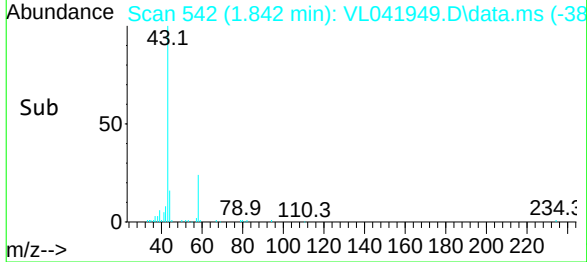
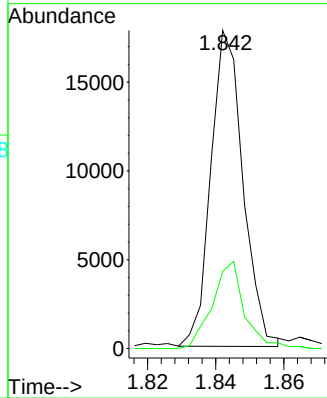
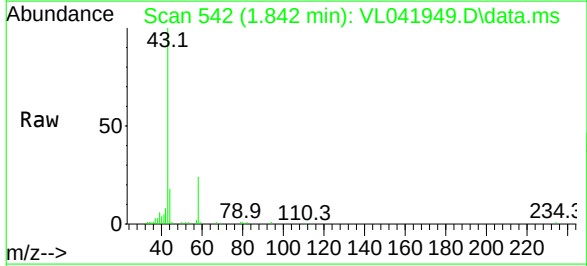
#15
Acetone
Concen: 0.697 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 43 Resp: 11673
Ion Ratio Lower Upper
43 100
58 27.8 21.9 32.9

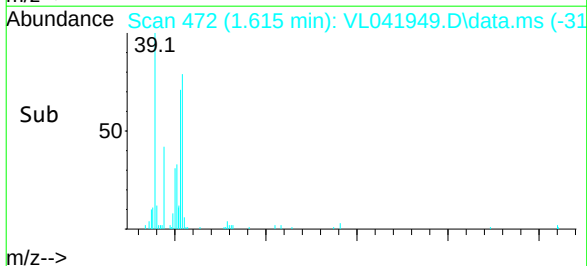
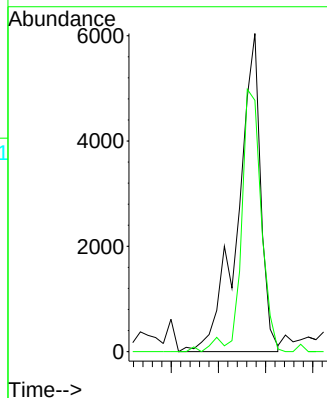
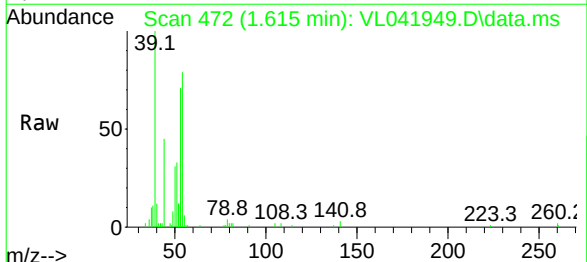
Manual Integrations
APPROVED

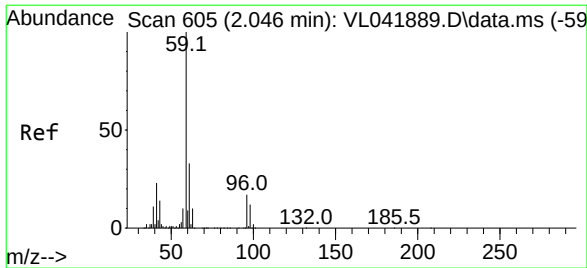
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#16
1,3-Butadiene
Concen: 0.543 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 39 Resp: 4078
Ion Ratio Lower Upper
39 100
54 72.2 61.6 92.4





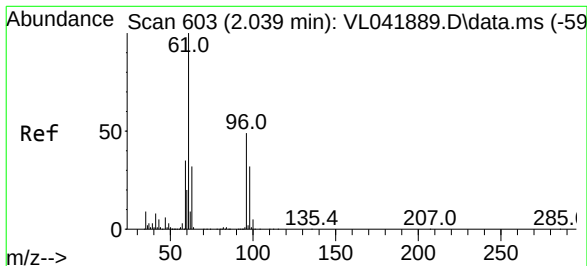
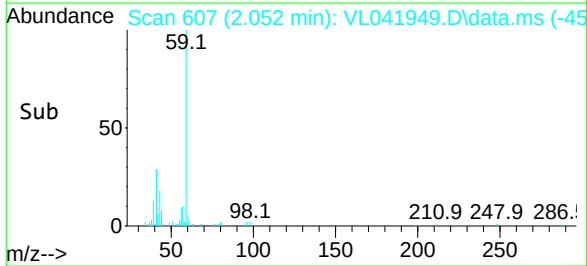
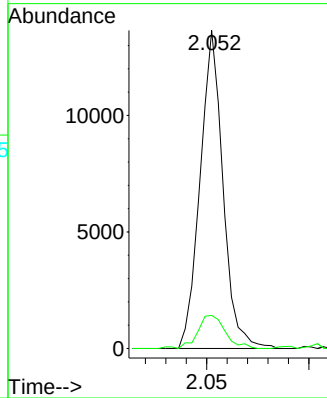
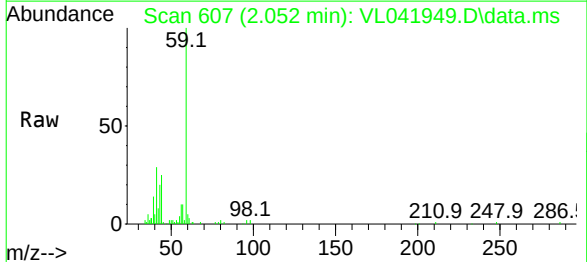
#17
tert-Butyl alcohol
Concen: 0.515 ppbv
RT: 2.052 min Scan# 605
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 59 Resp: 10611
Ion Ratio Lower Upper
59 100
57 13.2 7.8 11.8

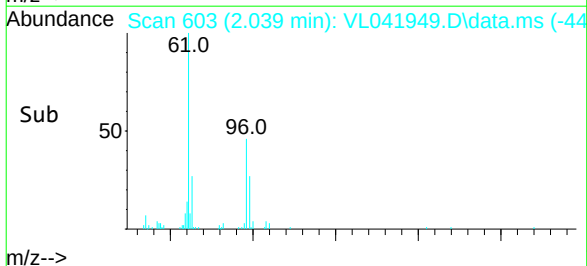
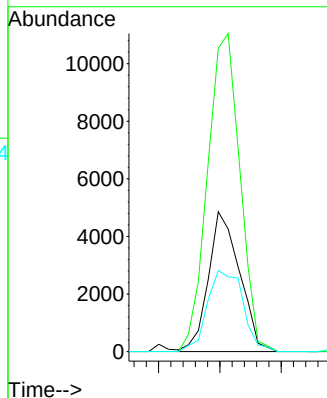
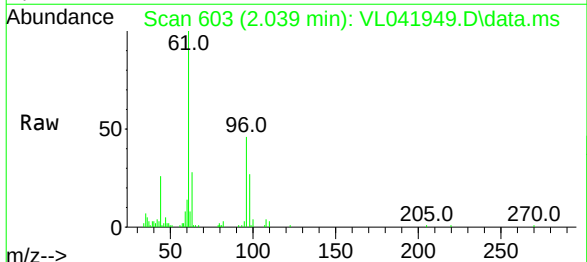
Manual Integrations
APPROVED

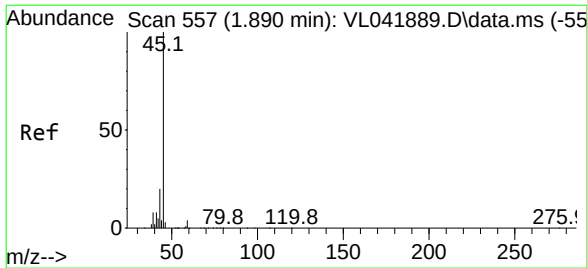
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#18
1,1-Dichloroethene
Concen: 0.493 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 96 Resp: 3443
Ion Ratio Lower Upper
96 100
61 217.0 163.1 244.7
98 58.0 52.7 79.1





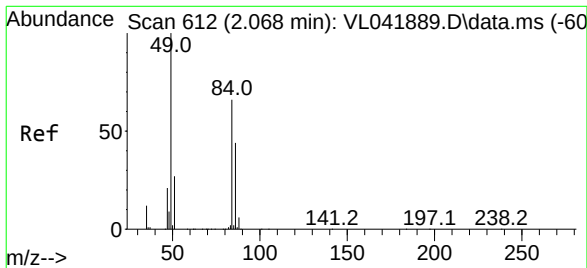
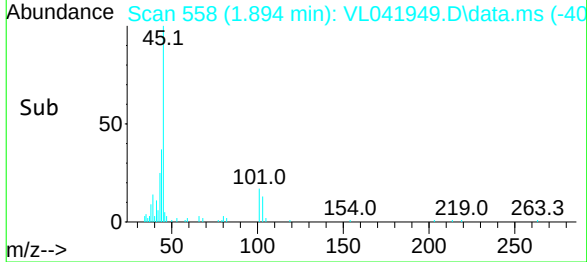
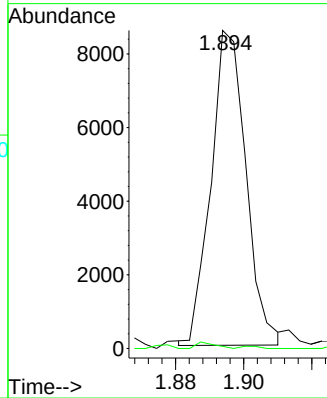
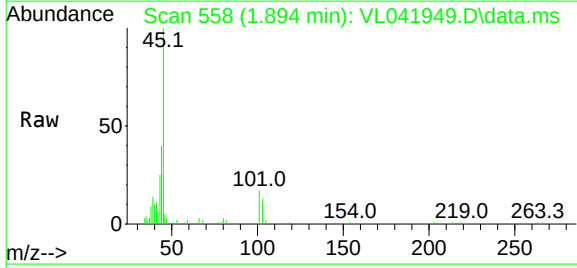
#19
Isopropyl Alcohol
Concen: 0.616 ppbv
RT: 1.894 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 45 Resp: 6115
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#

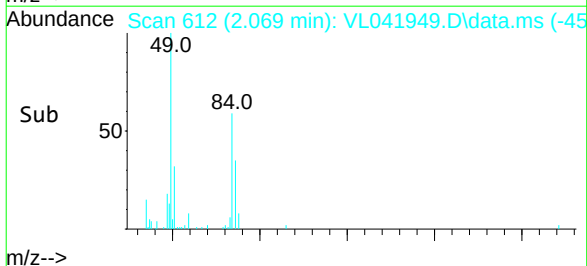
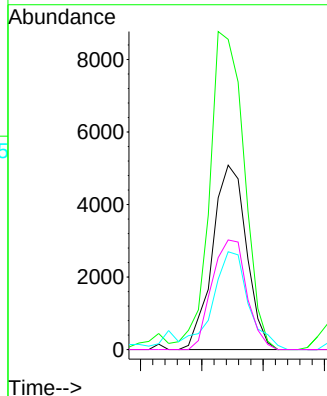
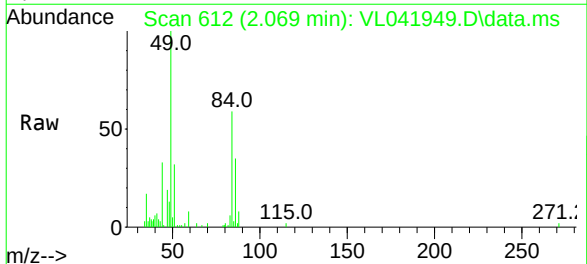
Manual Integrations
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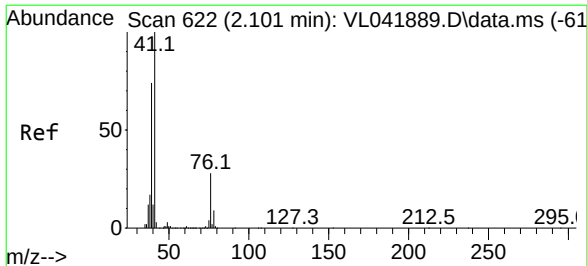
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#20
Methylene Chloride
Concen: 0.592 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 84 Resp: 3918
Ion Ratio Lower Upper
84 100
49 168.2 123.1 184.7
51 50.7 35.8 53.8
86 59.5 53.7 80.5





#21

Allyl Chloride

Concen: 0.487 ppbv

RT: 2.104 min Scan# 62

Delta R.T. 0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_L

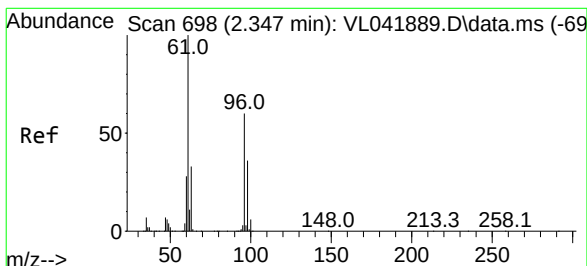
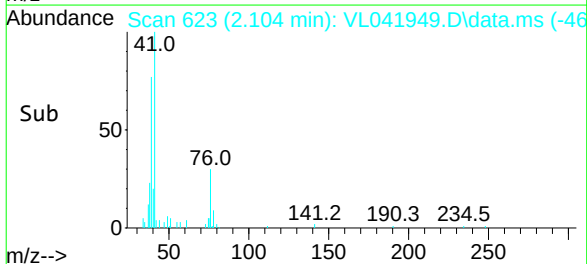
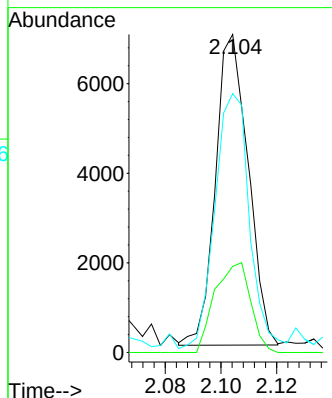
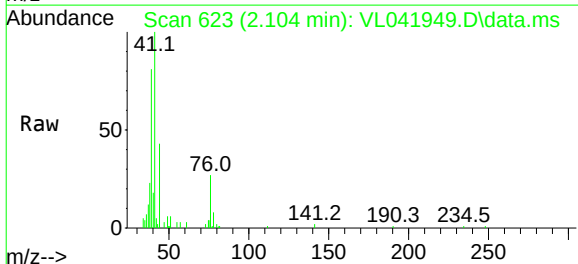
ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 41	Resp: 5647
Ion Ratio	Lower Upper
41	100
76	31.5 24.2 36.4
39	88.9 60.6 91.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#22

trans-1,2-Dichloroethene

Concen: 0.478 ppbv

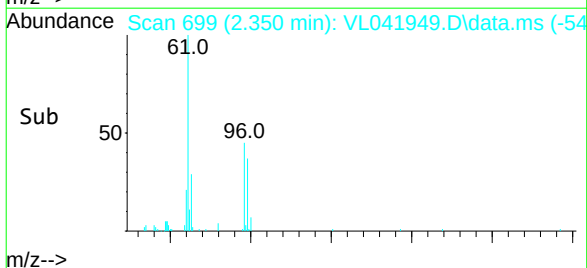
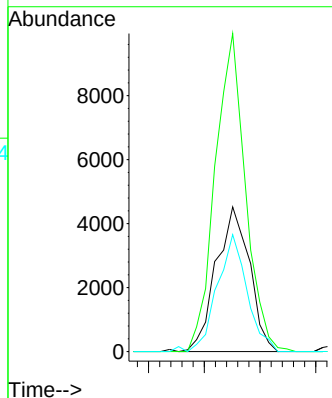
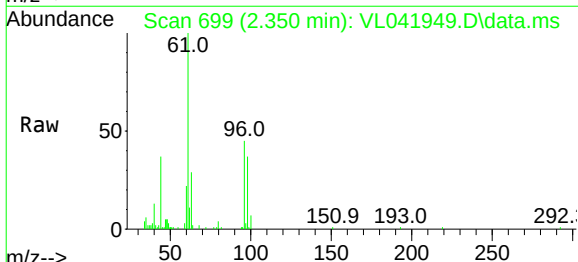
RT: 2.350 min Scan# 699

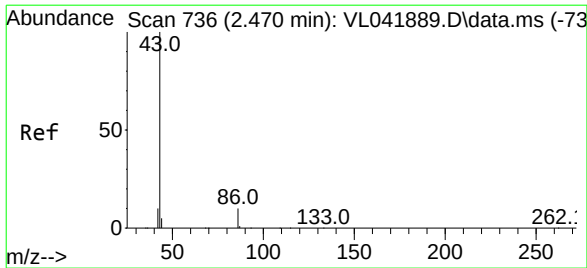
Delta R.T. 0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

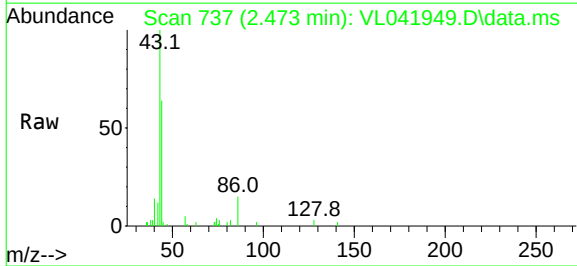
Tgt Ion: 96	Resp: 3761
Ion Ratio	Lower Upper
96	100
61	219.9 134.5 201.7#
98	80.8 48.9 73.3#





#23
 Vinyl Acetate
 Concen: 0.505 ppbv m
 RT: 2.473 min Scan# 736
 Delta R.T. 0.003 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

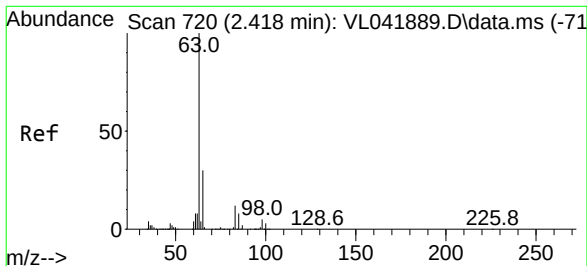
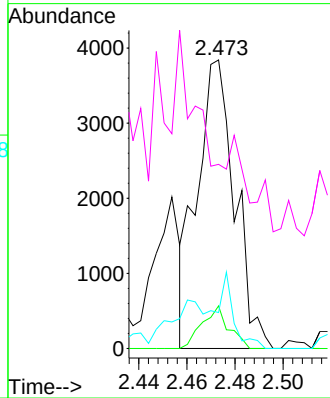
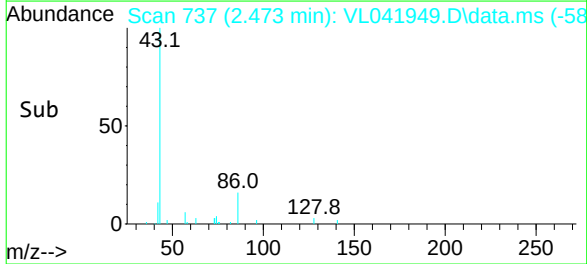
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 43	Resp: 4189
Ion Ratio Lower Upper	
43 100	
86 14.8 6.2 9.4#	
42 12.5 8.5 12.7	
44 63.8 4.8 7.2#	

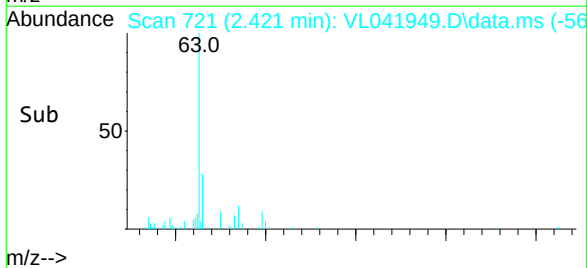
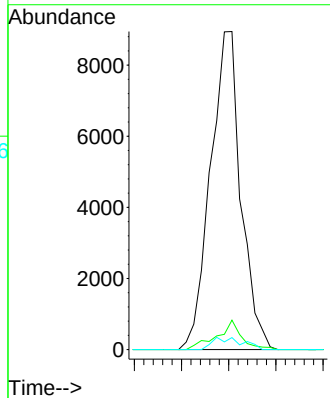
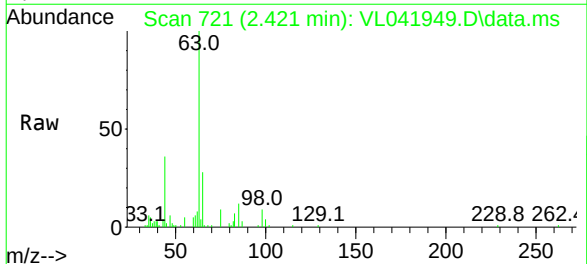
Manual Integrations
 APPROVED

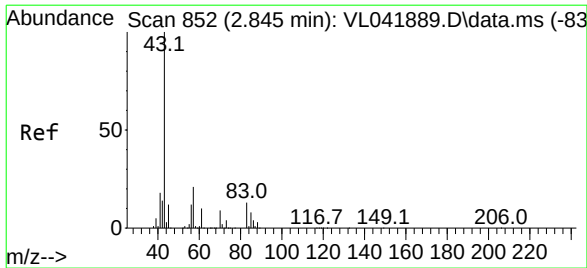
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#24
 1,1-Dichloroethane
 Concen: 0.527 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

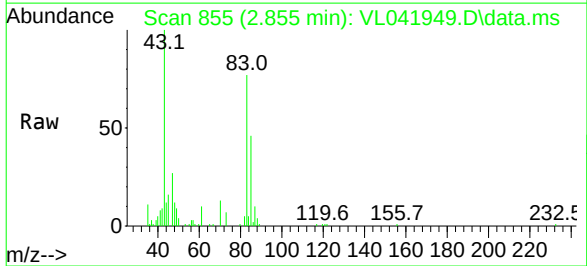
Tgt Ion: 63	Resp: 8022
Ion Ratio Lower Upper	
63 100	
98 9.3 2.6 7.8#	
100 3.8 1.4 4.2	





#25
Ethyl Acetate
Concen: 0.453 ppbv
RT: 2.855 min Scan# 852
Delta R.T. 0.010 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

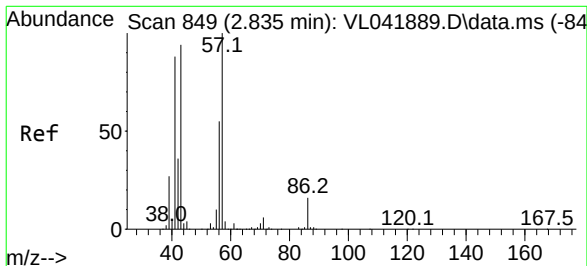
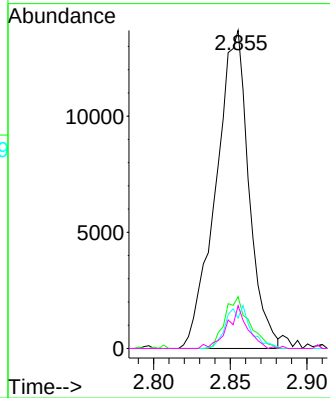
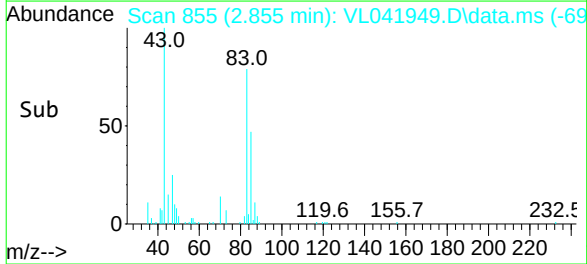
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion	Ratio	Lower	Upper
43	100		
45	12.0	8.2	12.2
61	9.8	7.4	11.0
70	8.3	7.0	10.4

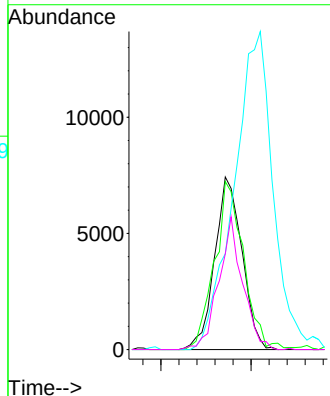
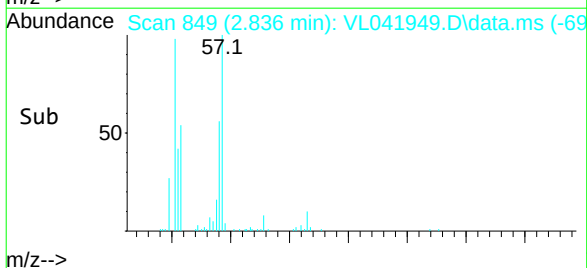
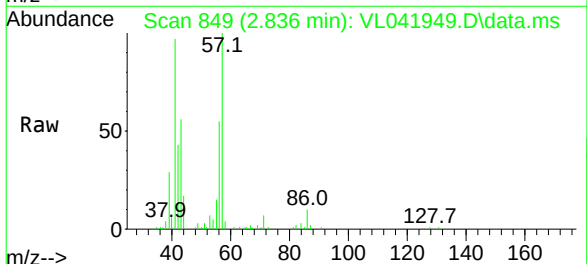
Manual Integrations
APPROVED

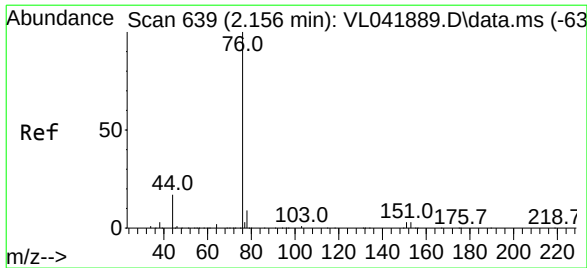
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#26
Hexane
Concen: 0.438 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

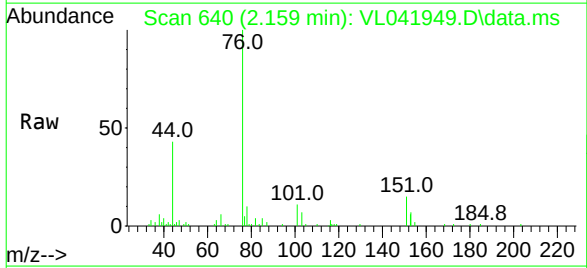
Tgt Ion	Ratio	Lower	Upper
57	100		
41	104.8	73.8	110.8
43	268.9	197.3	295.9
56	67.2	42.7	64.1#





#27
Carbon Disulfide
Concen: 0.474 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

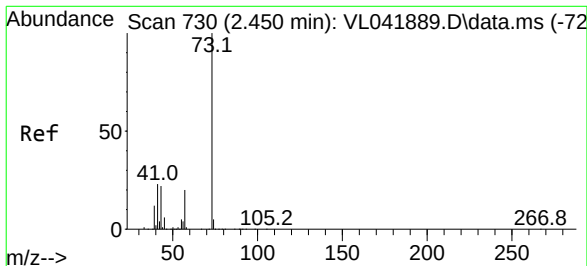
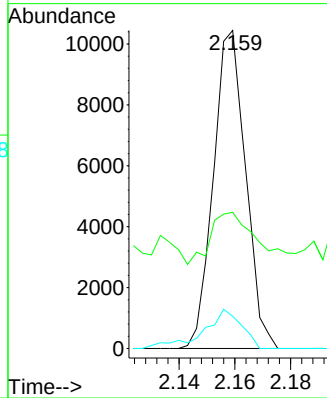
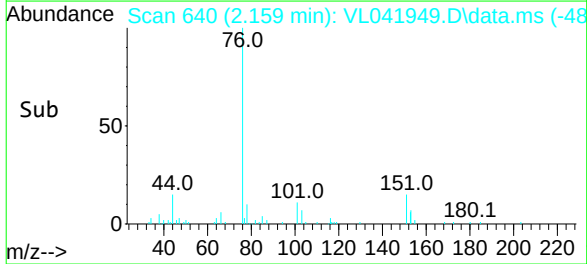
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 76 Resp: 8379
Ion Ratio Lower Upper
76 100
44 81.4 15.4 23.0#
78 14.3 9.3 13.9#

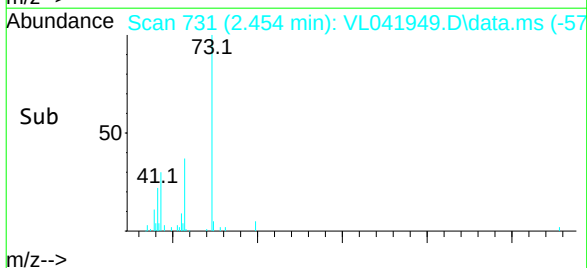
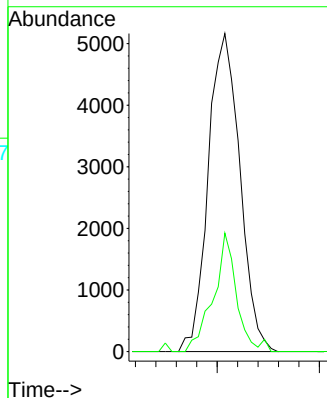
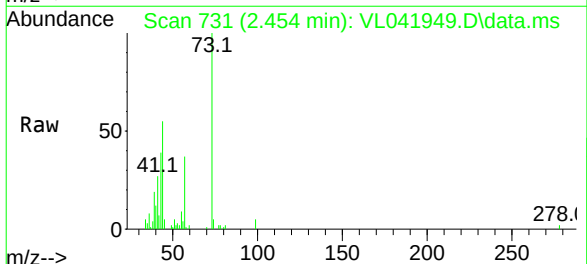
Manual Integrations
APPROVED

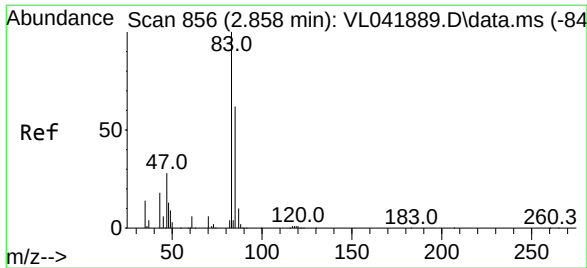
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#28
Methyl tert-Butyl Ether
Concen: 0.407 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

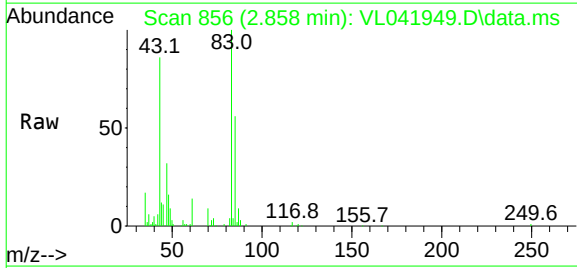
Tgt Ion: 73 Resp: 5555
Ion Ratio Lower Upper
73 100
57 27.8 18.1 27.1#





#29
Chloroform
Concen: 0.513 ppbv
RT: 2.858 min Scan# 85
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

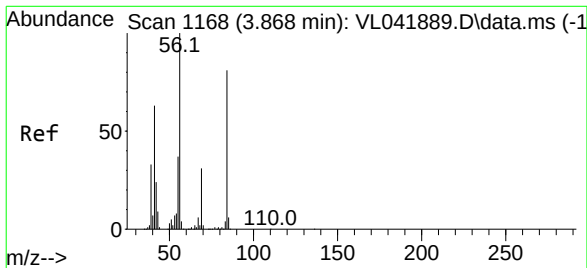
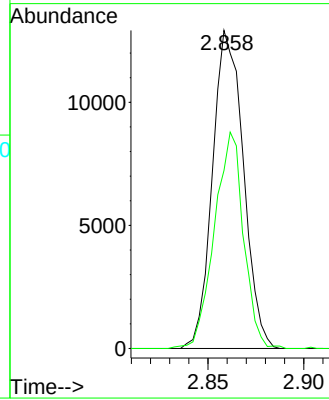
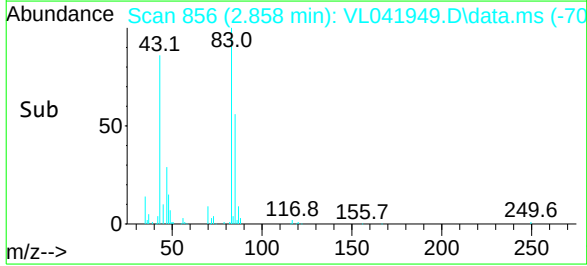
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



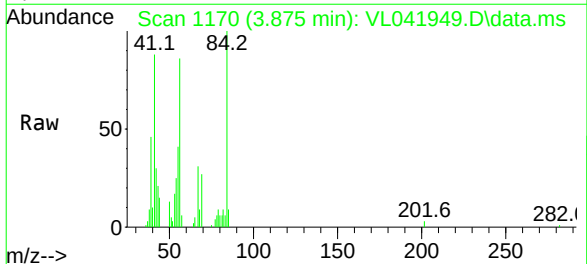
Tgt Ion: 83 Resp: 14487
Ion Ratio Lower Upper
83 100
85 55.2 50.1 75.1

Manual Integrations
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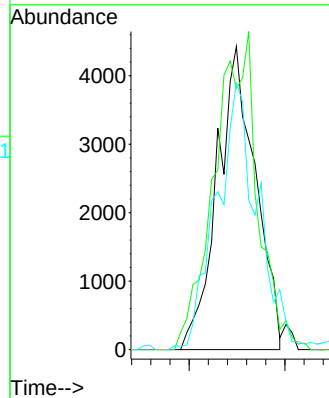
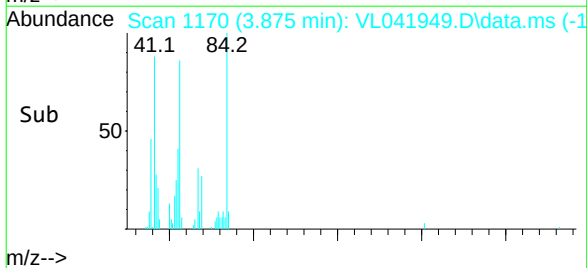
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

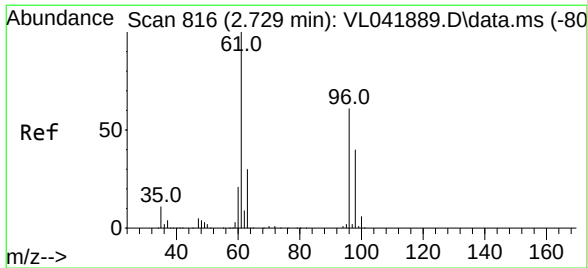


#30
Cyclohexane
Concen: 0.398 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36



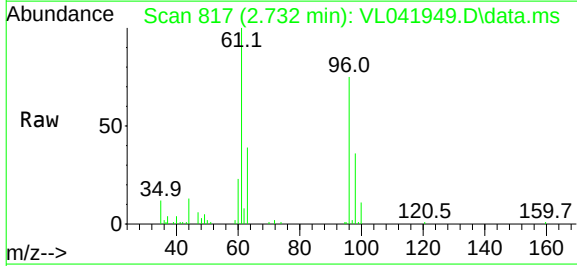
Tgt Ion: 84 Resp: 6160
Ion Ratio Lower Upper
84 100
56 117.2 99.3 148.9
41 97.3 64.3 96.5#





#31
 cis-1,2-Dichloroethene
 Concen: 0.460 ppbv
 RT: 2.732 min Scan# 816
 Delta R.T. 0.003 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

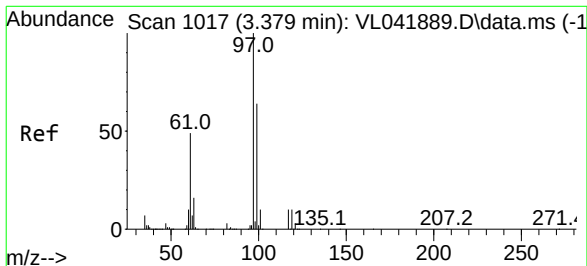
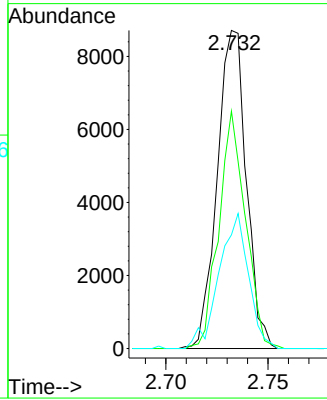
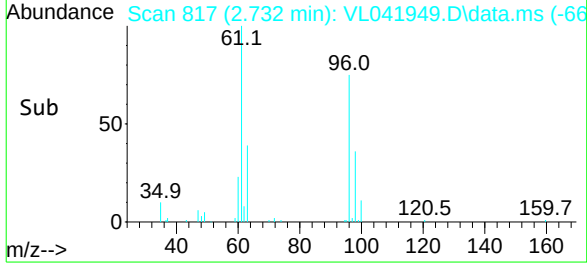
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 61 Resp: 8643
 Ion Ratio Lower Upper
 61 100
 96 74.6 48.7 73.1#
 98 35.7 31.6 47.4

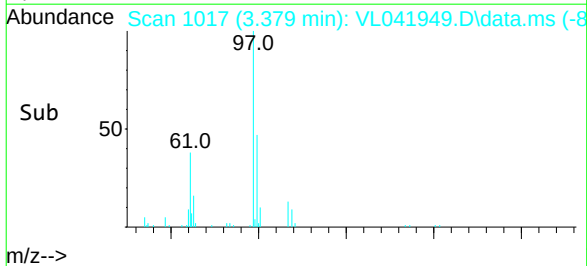
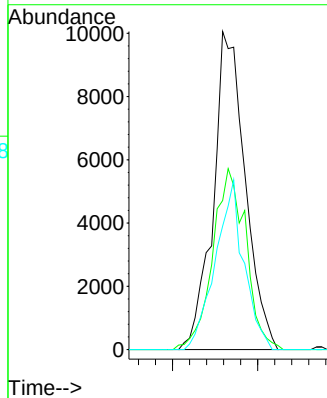
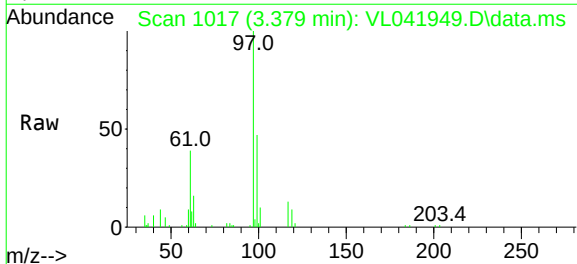
Manual Integrations
 APPROVED

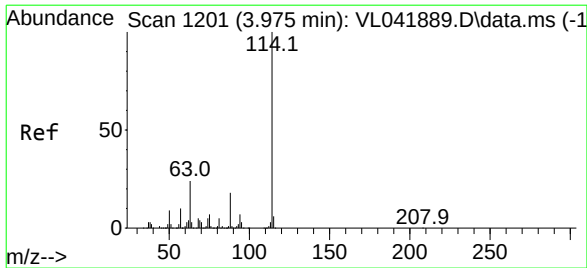
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.485 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.000 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

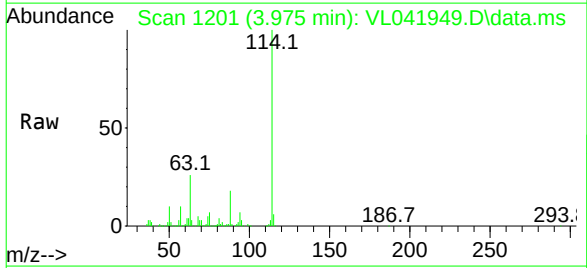
Tgt Ion: 97 Resp: 13112
 Ion Ratio Lower Upper
 97 100
 99 58.9 51.1 76.7
 61 47.4 39.0 58.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

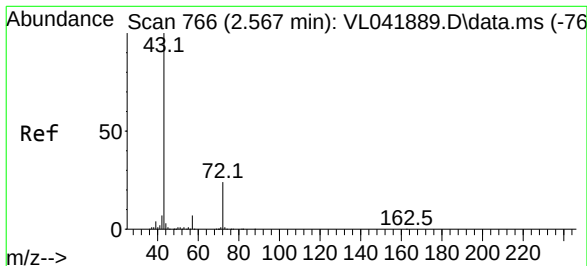
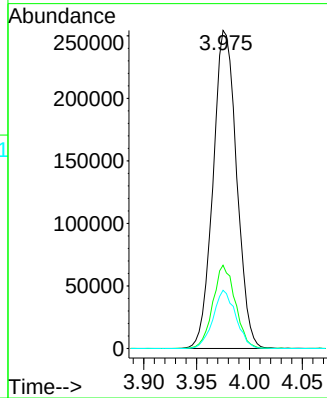
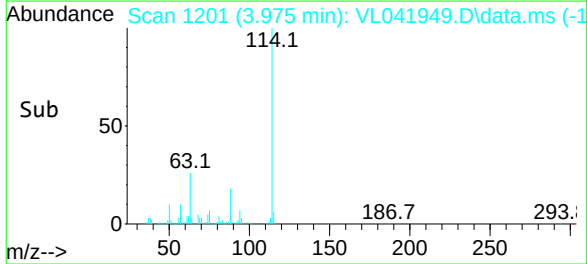
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 114 Resp: 394229
Ion Ratio Lower Upper
114 100
63 25.0 19.8 29.6
88 17.6 14.4 21.6

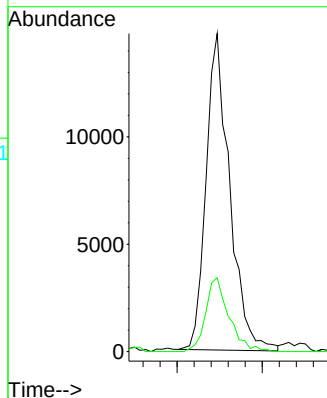
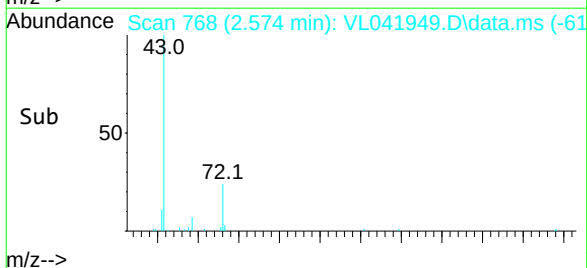
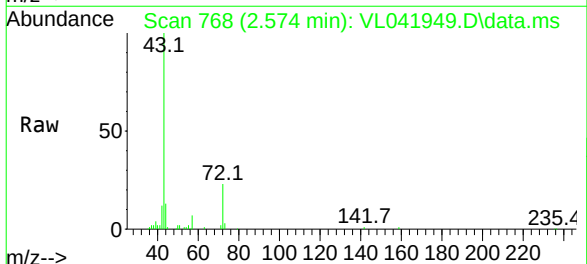
Manual Integrations
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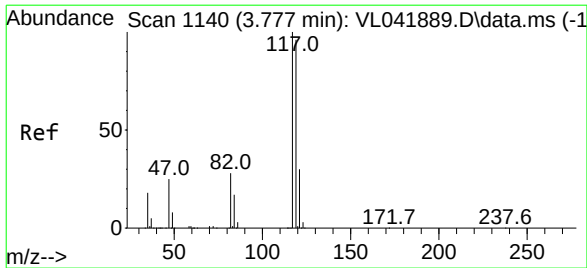
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#34
2-Butanone
Concen: 0.565 ppbv
RT: 2.574 min Scan# 768
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 43 Resp: 14175
Ion Ratio Lower Upper
43 100
72 23.0 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.506 ppbv

RT: 3.781 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041949.D

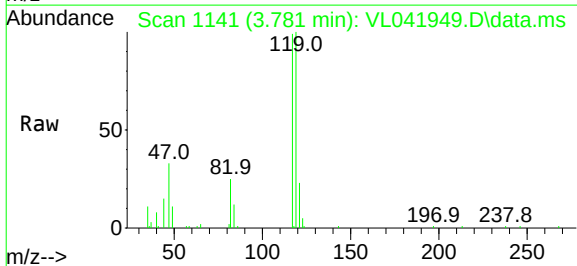
Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

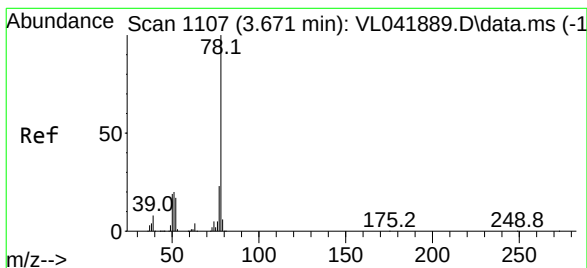
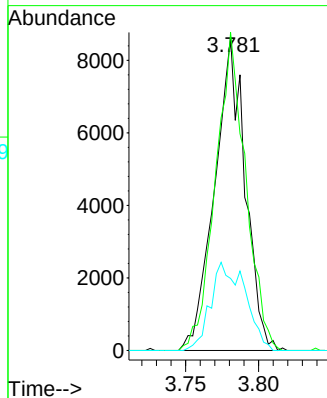
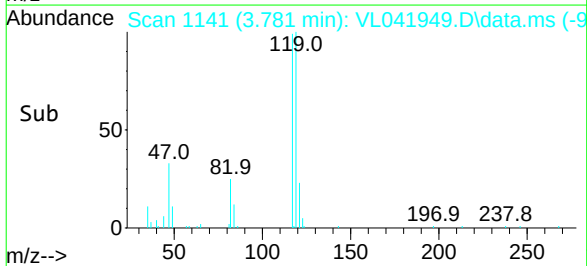


Tgt Ion:	117	Resp:	12541
Ion	Ratio	Lower	Upper
117	100		
119	101.4	76.9	115.3
121	23.0	23.8	35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#36

Benzene

Concen: 0.482 ppbv m

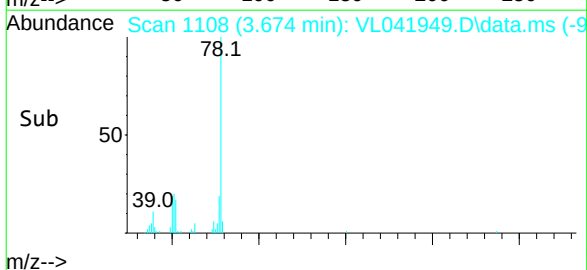
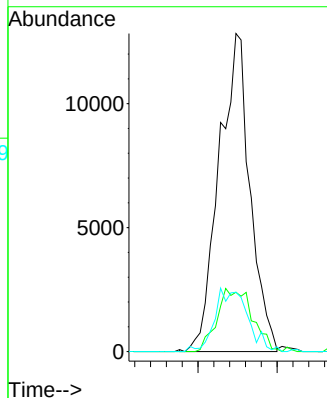
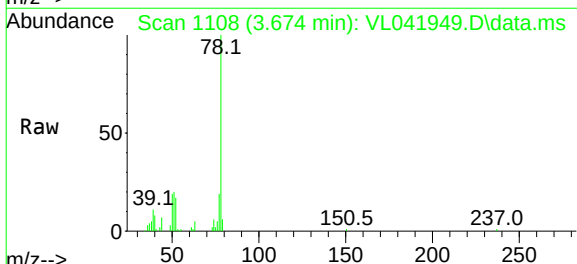
RT: 3.674 min Scan# 1108

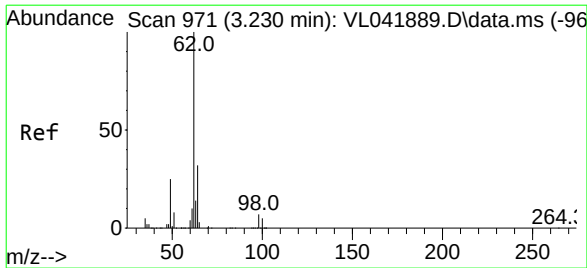
Delta R.T. 0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Tgt Ion:	78	Resp:	17434
Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.1	27.1
50	18.7	15.2	22.8





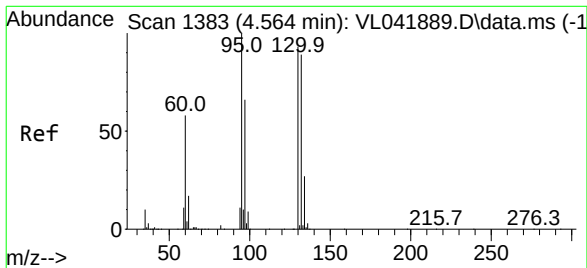
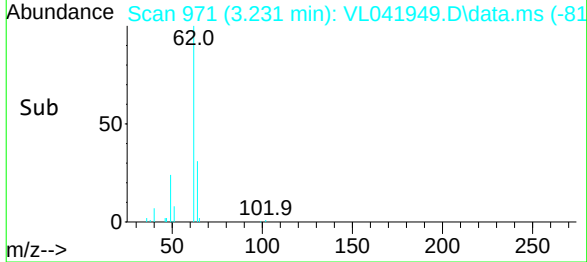
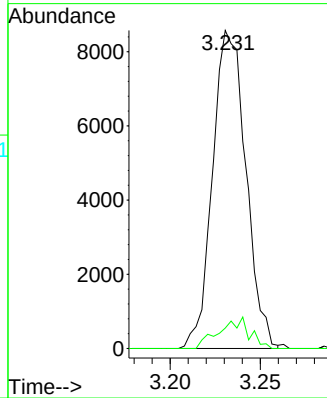
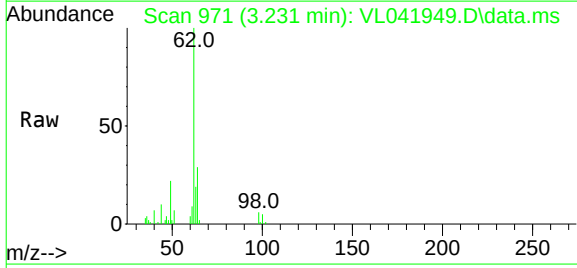
#37
1,2-Dichloroethane
Concen: 0.542 ppbv
RT: 3.231 min Scan# 971
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 62 Resp: 11011
Ion Ratio Lower Upper
62 100
98 8.8 5.4 8.0#

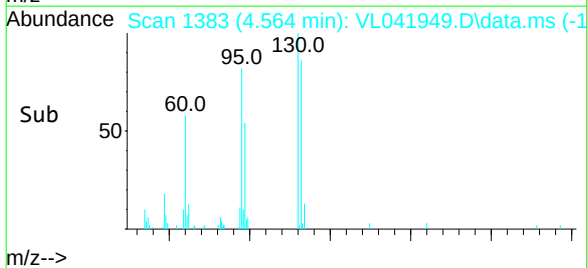
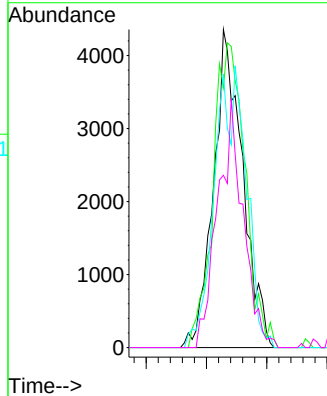
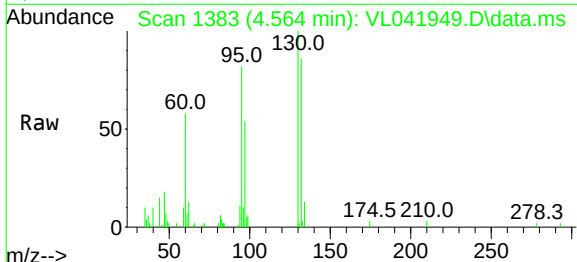
Manual Integrations
APPROVED

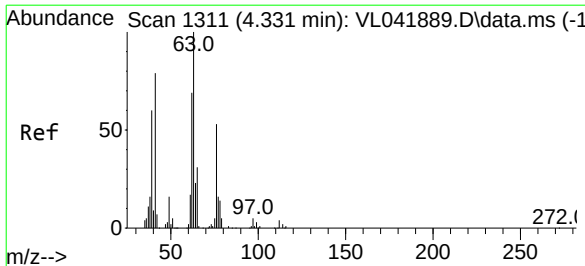
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#38
Trichloroethene
Concen: 0.507 ppbv m
RT: 4.564 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

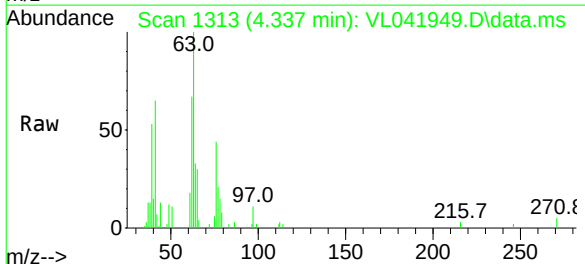
Tgt Ion:130 Resp: 7274
Ion Ratio Lower Upper
130 100
95 81.7 85.8 128.8#
132 86.0 76.5 114.7
97 54.2 56.8 85.2#





#39
1,2-Dichloropropane
Concen: 0.538 ppbv
RT: 4.337 min Scan# 1311
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

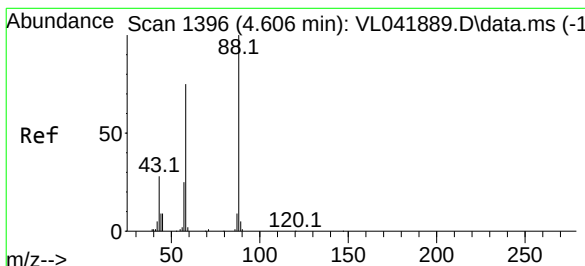
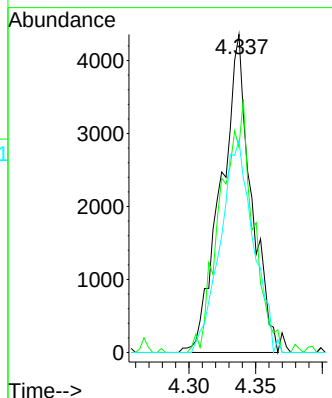
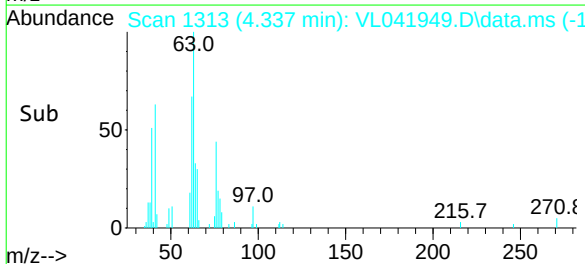
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 63 Resp: 6825
Ion Ratio Lower Upper
63 100
41 64.6 63.7 95.5
62 66.7 55.4 83.2

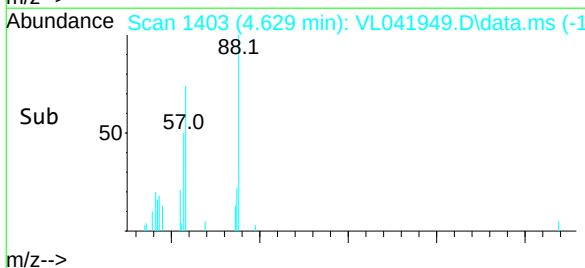
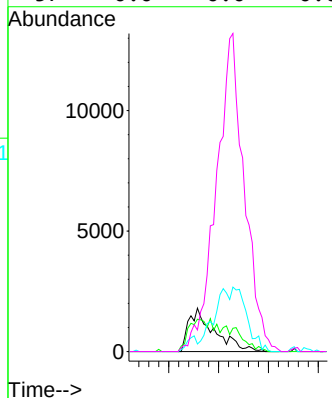
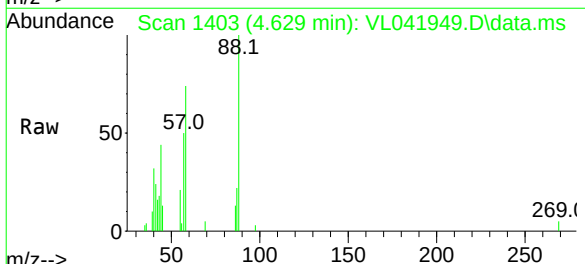
Manual Integrations
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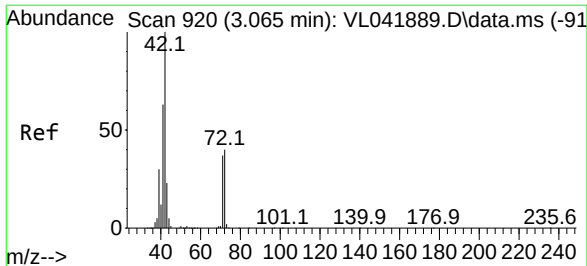
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#40
1,4-Dioxane
Concen: 0.505 ppbv m
RT: 4.629 min Scan# 1403
Delta R.T. 0.023 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 88 Resp: 3236
Ion Ratio Lower Upper
88 100
58 0.0 62.1 93.1#
43 0.0 0.0 0.0
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.505 ppbv m

RT: 3.078 min Scan# 92

Delta R.T. 0.013 min

Lab File: VL041949.D

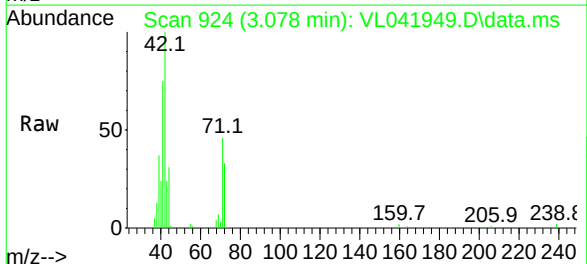
Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_L

ClientSampleId :

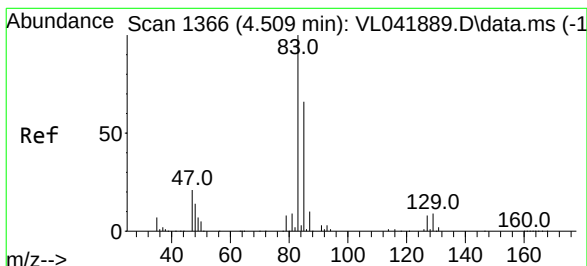
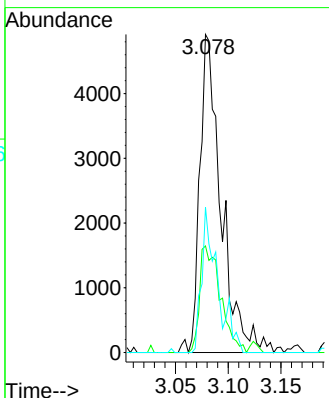
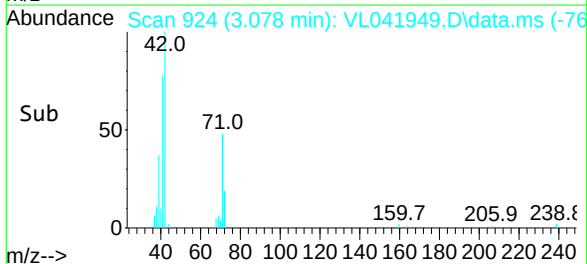
LOD-MDL-AIR-01-QT1-2025



Tgt Ion:	42	Resp:	6887
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.9	44.9#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#42

Bromodichloromethane

Concen: 0.478 ppbv m

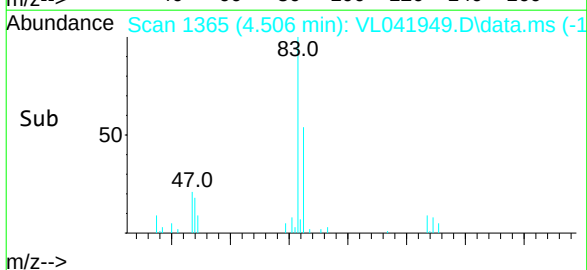
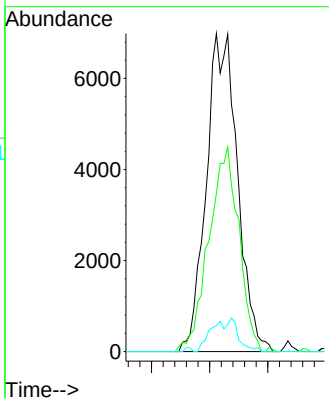
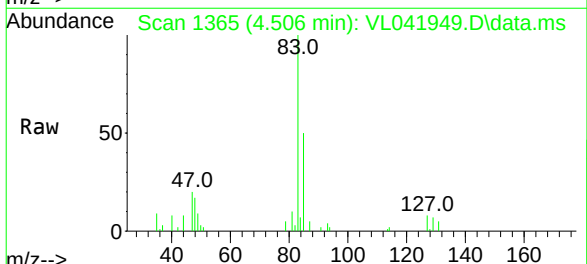
RT: 4.506 min Scan# 1365

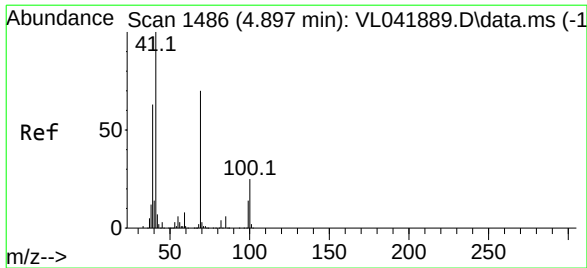
Delta R.T. -0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Tgt Ion:	83	Resp:	13024
Ion	Ratio	Lower	Upper
83	100		
85	49.7	52.6	78.8#
127	8.1	6.4	9.6





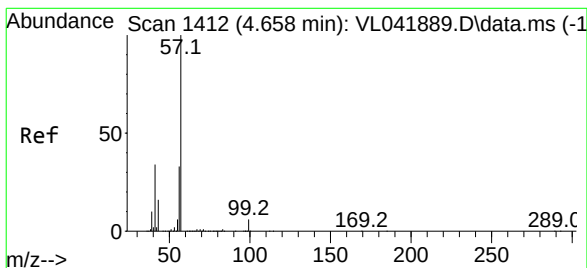
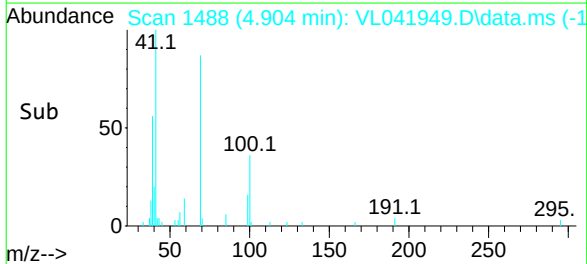
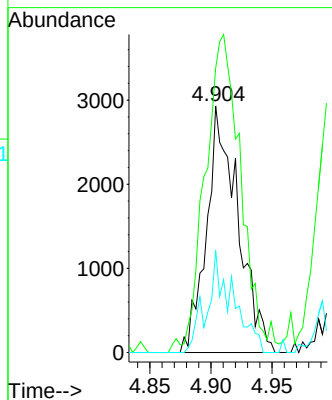
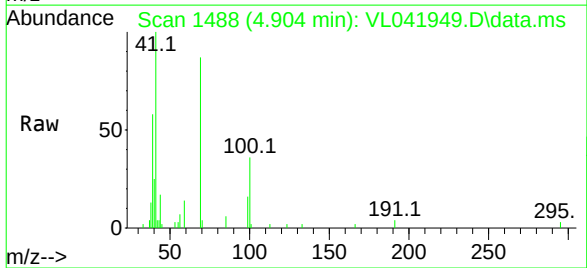
#43
Methyl Methacrylate
Concen: 0.390 ppbv m
RT: 4.904 min Scan# 1414
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 69 Resp: 5233
Ion Ratio Lower Upper
69 100
41 146.2 118.6 177.8
100 34.3 29.3 43.9

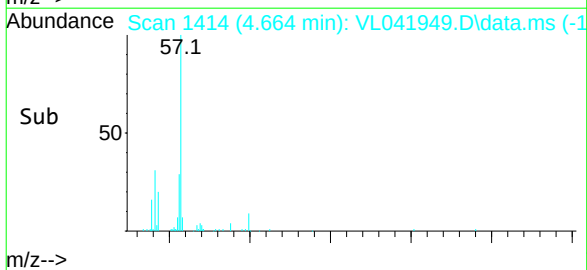
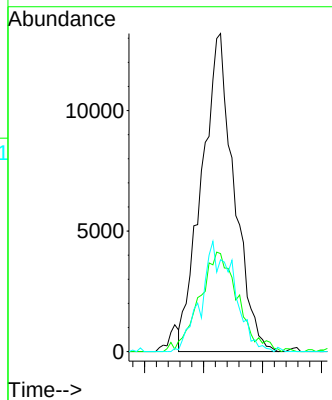
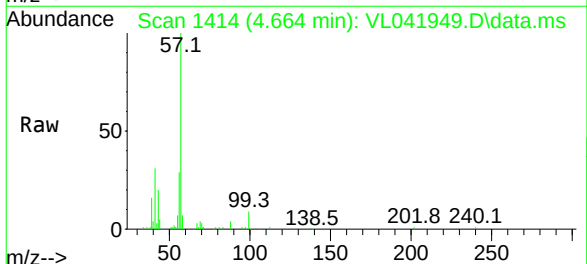
Manual Integrations
APPROVED

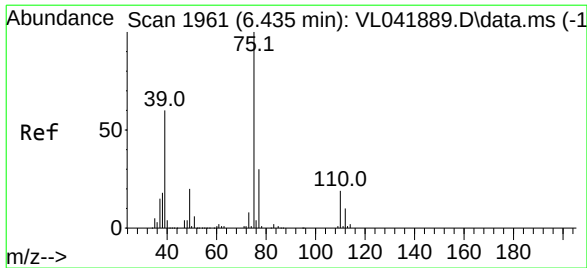
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#44
2,2,4-Trimethylpentane
Concen: 0.430 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion: 57 Resp: 25175
Ion Ratio Lower Upper
57 100
41 37.3 26.6 40.0
56 35.2 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.353 ppbv m

RT: 6.451 min Scan# 19

Delta R.T. 0.016 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 75 Resp: 4438

Ion Ratio Lower Upper

75 100

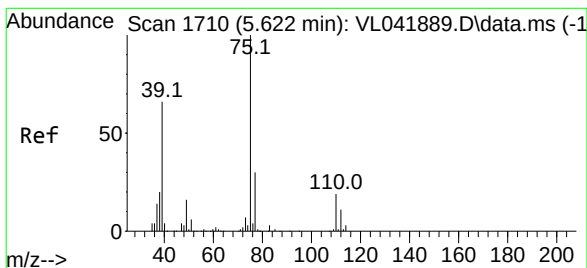
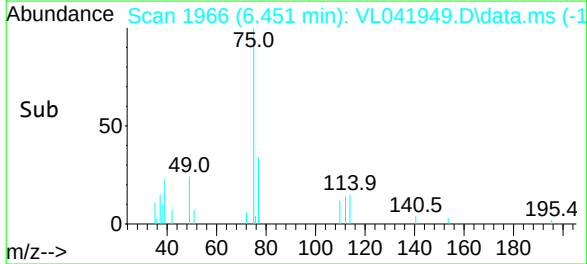
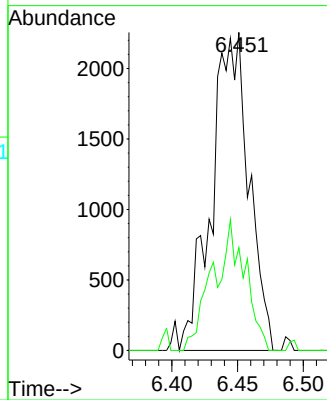
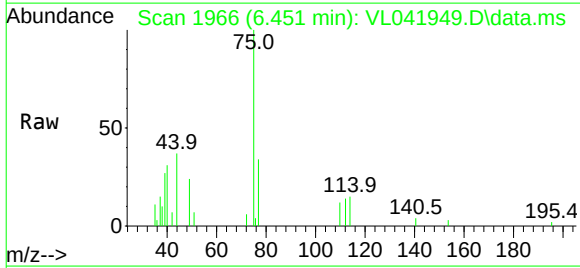
77 33.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#46

cis-1,3-Dichloropropene

Concen: 0.387 ppbv m

RT: 5.626 min Scan# 1711

Delta R.T. 0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

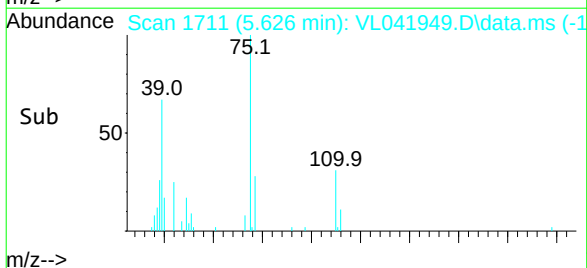
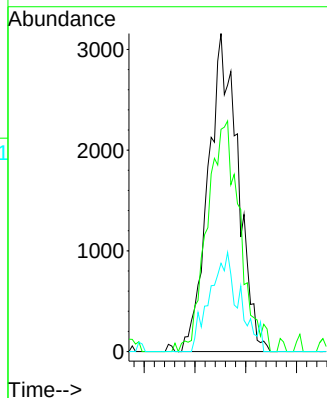
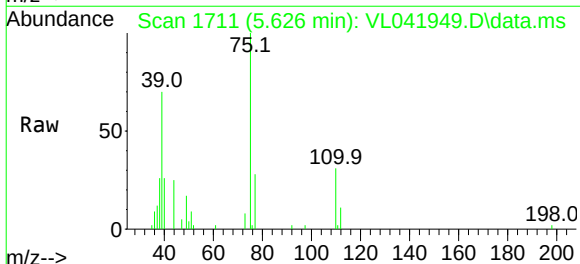
Tgt Ion: 75 Resp: 6389

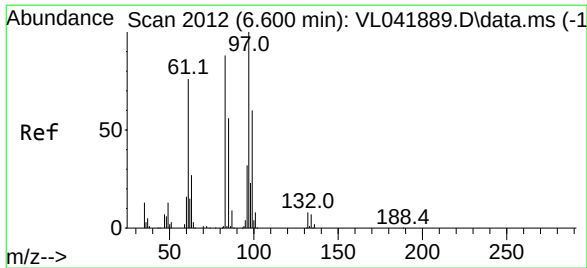
Ion Ratio Lower Upper

75 100

39 69.9 53.1 79.7

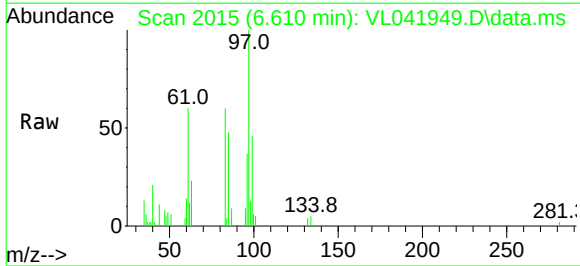
77 27.8 23.8 35.8





#47
1,1,2-Trichloroethane
Concen: 0.571 ppbv m
RT: 6.610 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

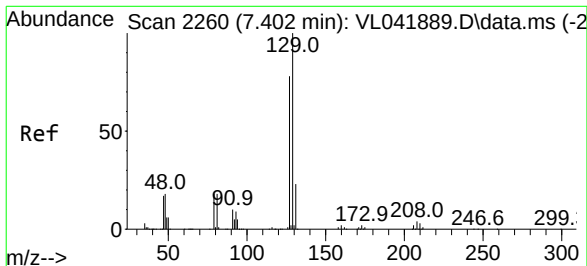
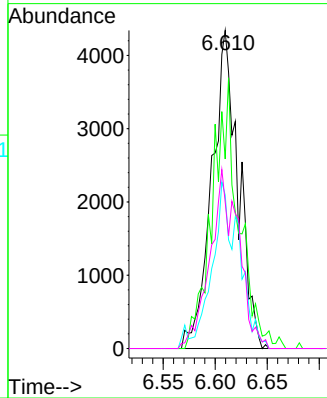
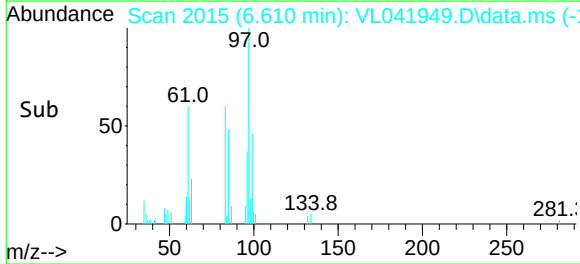
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 97 Resp: 7671
Ion Ratio Lower Upper
97 100
83 59.6 70.4 105.6#
85 48.2 45.0 67.4
99 46.0 48.1 72.1#

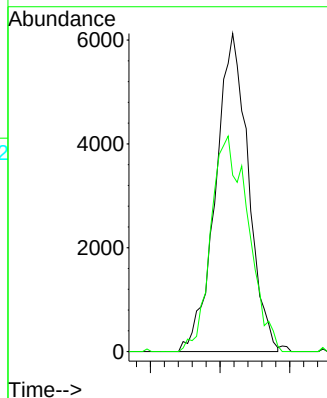
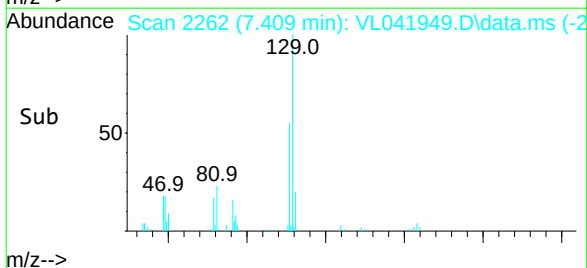
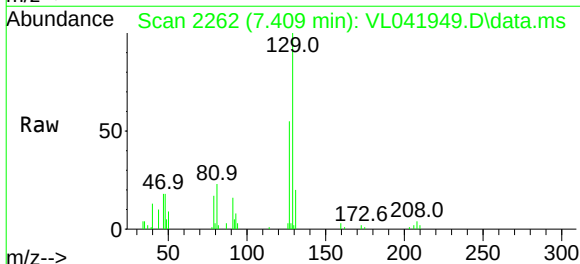
Manual Integrations
APPROVED

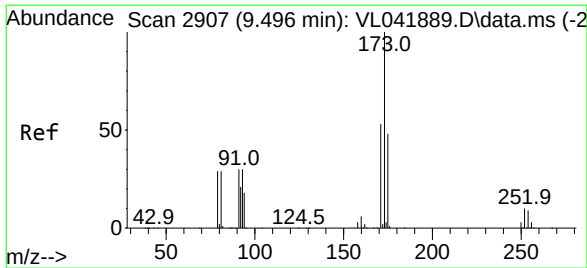
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#48
Dibromochloromethane
Concen: 0.480 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

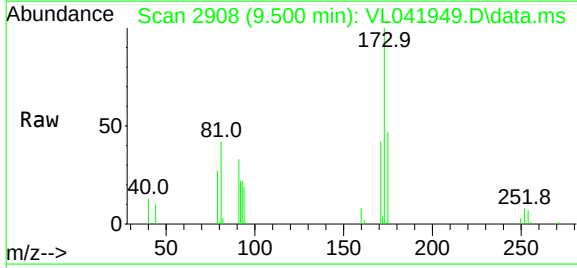
Tgt Ion:129 Resp: 9946
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





#49
Bromoform
Concen: 0.413 ppbv m
RT: 9.500 min Scan# 2907
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

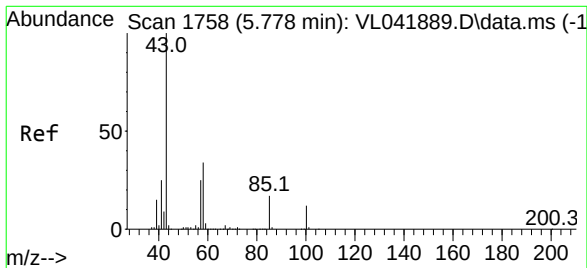
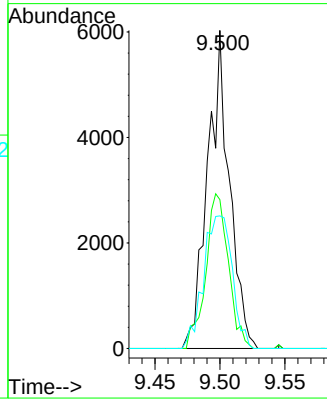
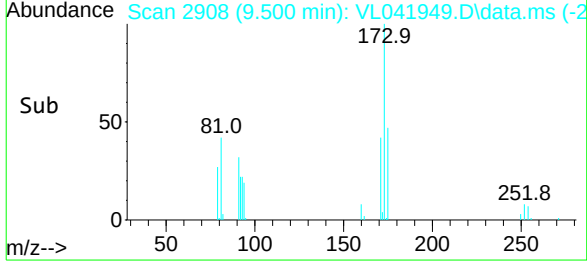
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 173 Resp: 7041
Ion Ratio Lower Upper
173 100
175 50.6 38.4 57.6
171 54.9 41.4 62.2

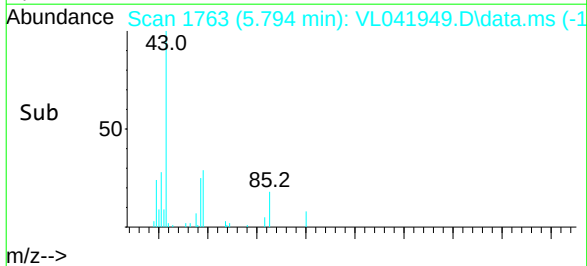
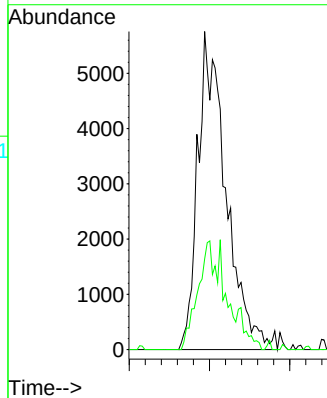
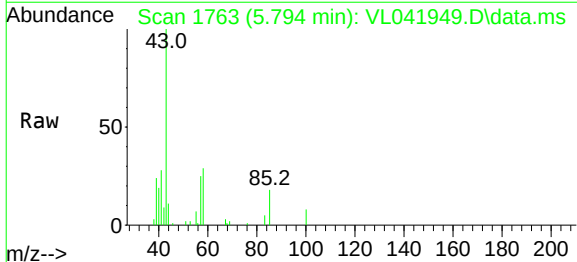
Manual Integrations
APPROVED

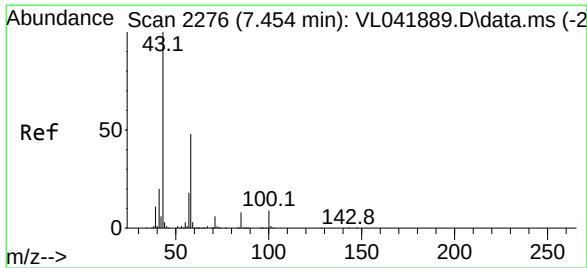
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#50
4-Methyl-2-Pentanone
Concen: 0.409 ppbv m
RT: 5.794 min Scan# 1763
Delta R.T. 0.016 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

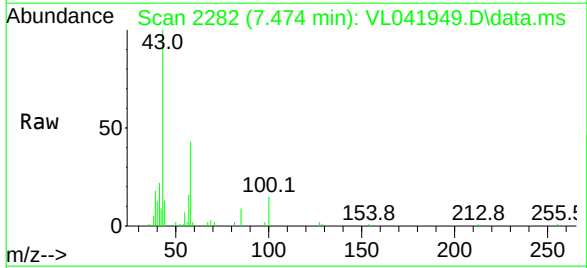
Tgt Ion: 43 Resp: 14006
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#





#51
2-Hexanone
Concen: 0.376 ppbv m
RT: 7.474 min Scan# 2276
Delta R.T. 0.020 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

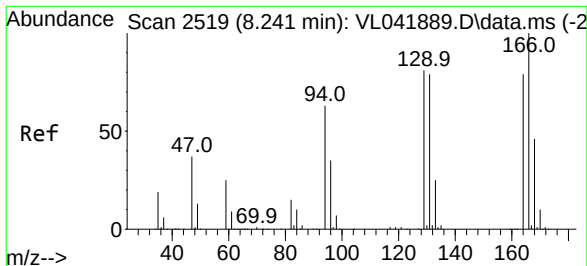
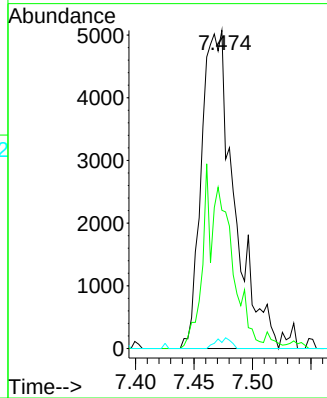
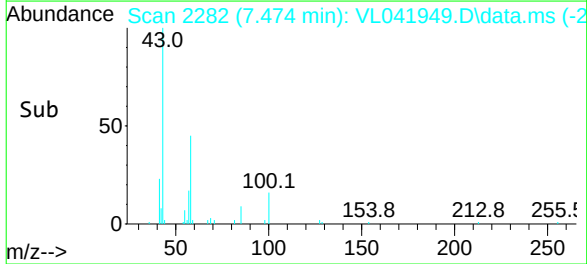
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



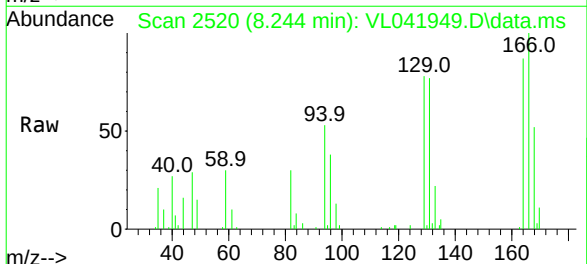
Tgt Ion: 43 Resp: 9881
Ion Ratio Lower Upper
43 100
58 48.0 40.4 60.6
98 0.4 0.2 0.2

Manual Integrations
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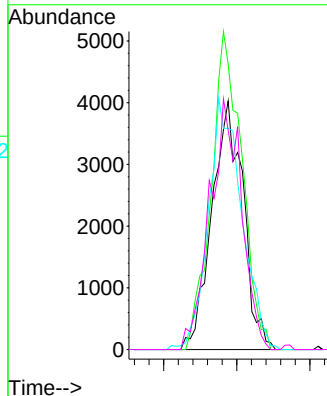
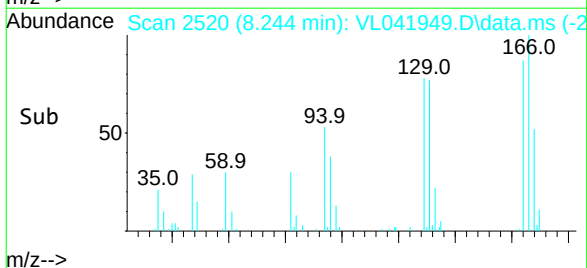
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

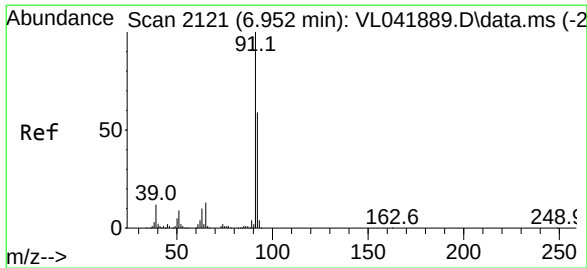


#52
Tetrachloroethene
Concen: 0.477 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36



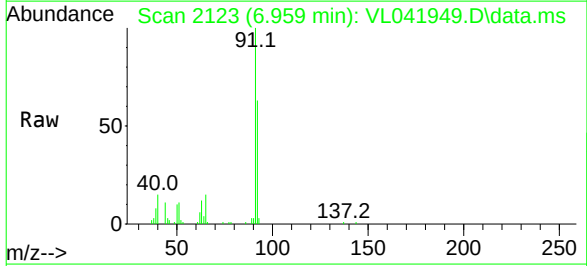
Tgt Ion:164 Resp: 5984
Ion Ratio Lower Upper
164 100
166 114.8 100.8 151.2
129 89.0 82.0 123.0
131 88.1 80.2 120.2





#53
Toluene
Concen: 0.387 ppbv
RT: 6.959 min Scan# 2121
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

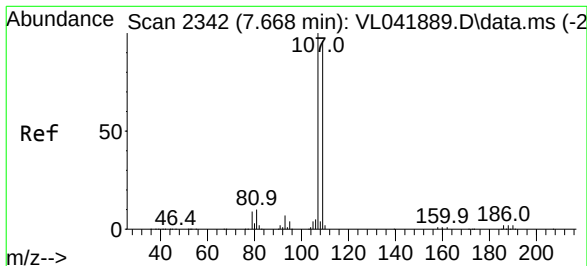
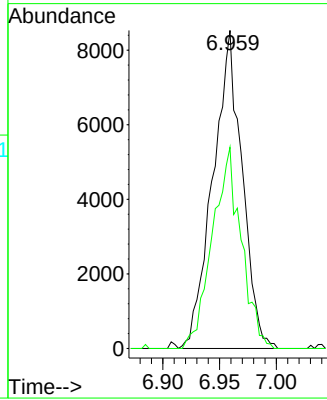
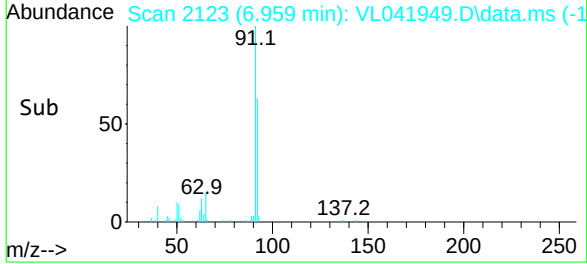
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



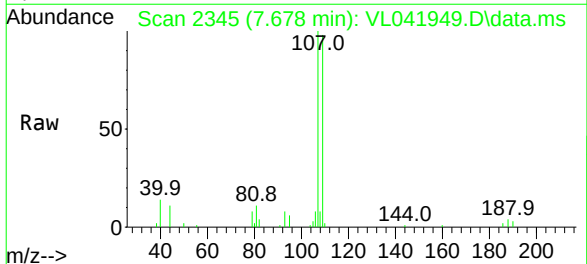
Tgt Ion: 91 Resp: 15247
Ion Ratio Lower Upper
91 100
92 62.6 47.4 71.0

Manual Integrations
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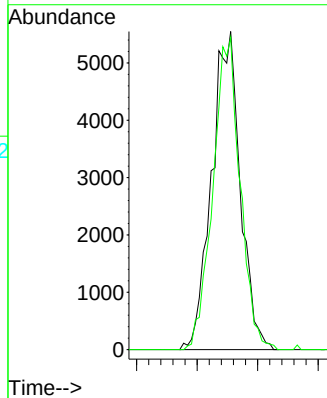
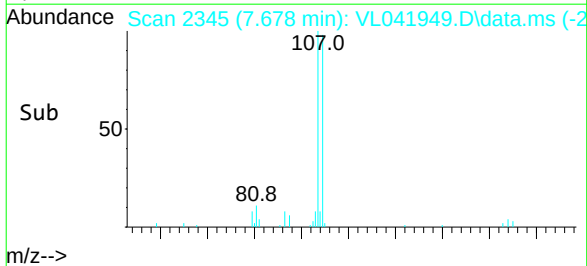
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

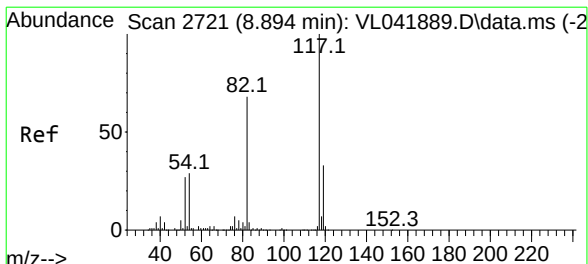


#54
1,2-Dibromoethane
Concen: 0.493 ppbv m
RT: 7.678 min Scan# 2345
Delta R.T. 0.010 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36



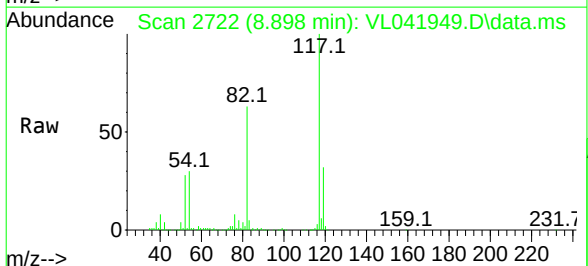
Tgt Ion:107 Resp: 9109
Ion Ratio Lower Upper
107 100
109 98.2 76.7 115.1





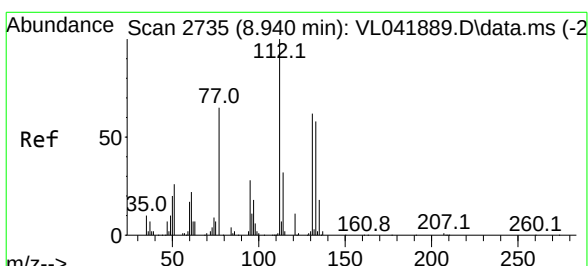
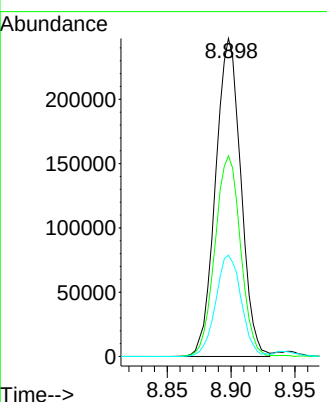
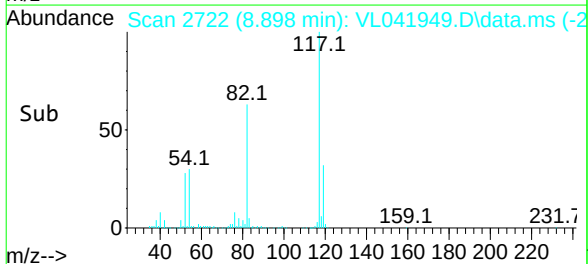
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2721
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

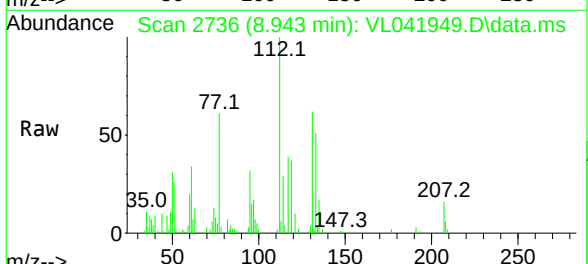


Tgt Ion:	117	Resp:	340733
Ion	Ratio	Lower	Upper
117	100		
82	63.9	54.2	81.4
119	33.7	25.0	37.6

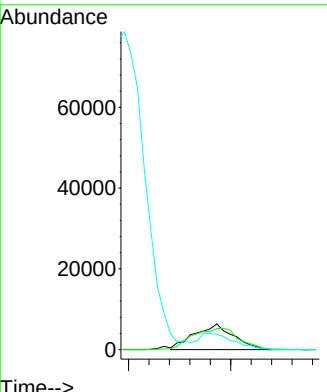
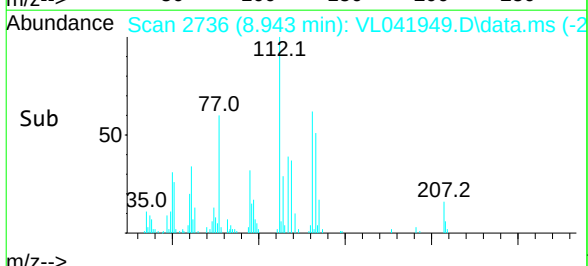
Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

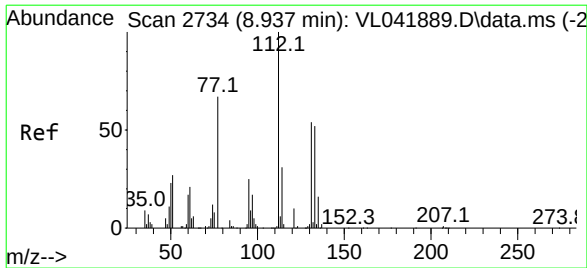


#56
1,1,1,2-Tetrachloroethane
Concen: 0.494 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36



Tgt Ion:	131	Resp:	8391
Ion	Ratio	Lower	Upper
131	100		
133	100.0	76.0	114.0
119	0.0	49.7	74.5#





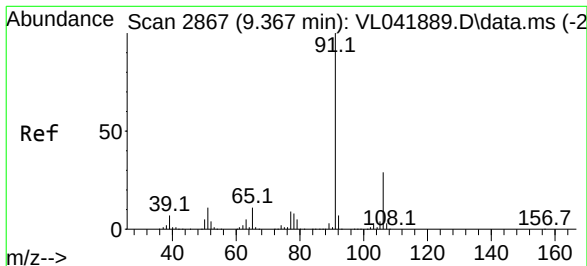
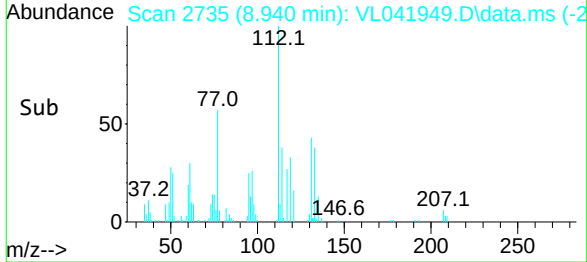
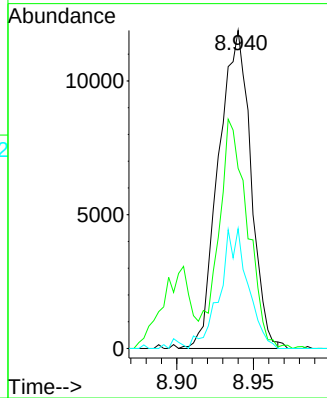
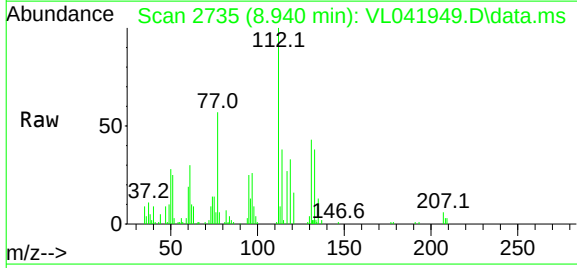
#57
Chlorobenzene
Concen: 0.551 ppbv
RT: 8.940 min Scan# 2734
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

Tgt Ion:	112	Resp:	17331
Ion Ratio	Lower	Upper	
112	100		
77	57.2	54.6	82.0
114	38.3	28.2	34.4

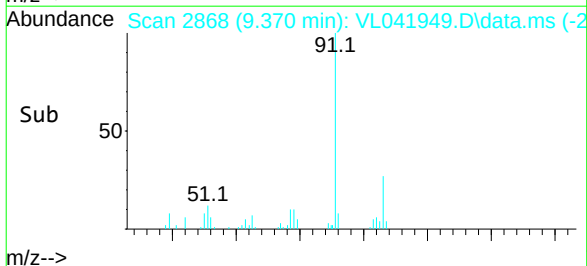
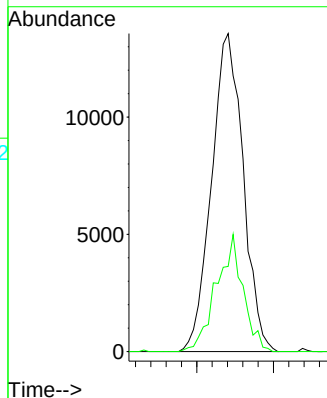
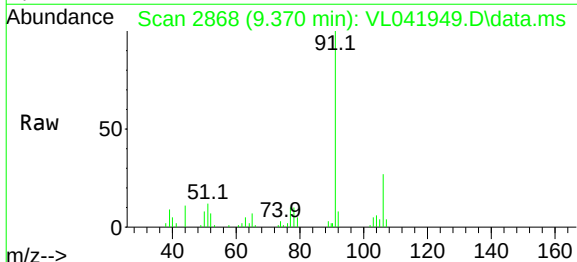
Manual Integrations
APPROVED

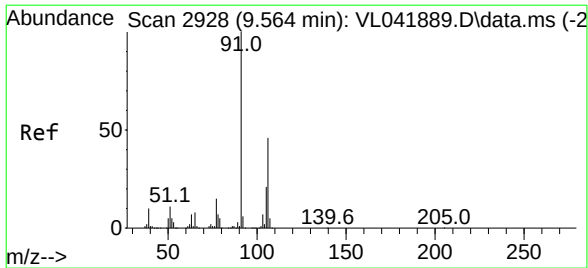
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#58
Ethyl Benzene
Concen: 0.365 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

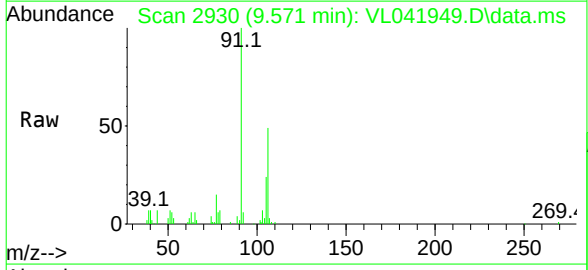
Tgt Ion:	91	Resp:	19424
Ion Ratio	Lower	Upper	
91	100		
106	26.8	23.1	34.7





#59
m/p-Xylene
Concen: 0.727 ppbv m
RT: 9.571 min Scan# 29
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

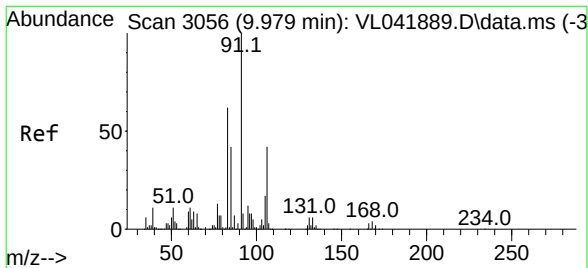
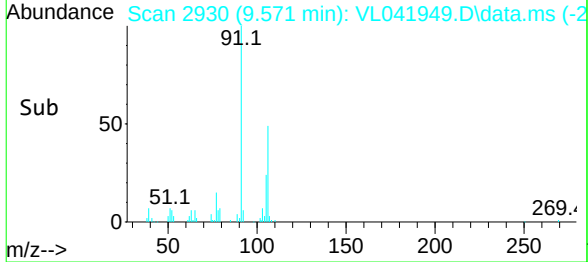
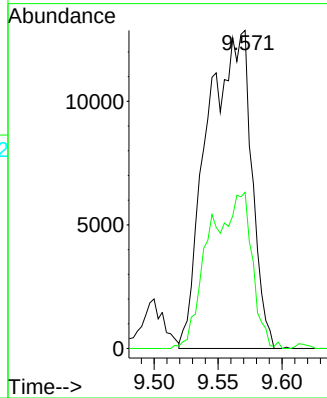
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 91 Resp: 31037
Ion Ratio Lower Upper
91 100
106 47.1 36.0 54.0

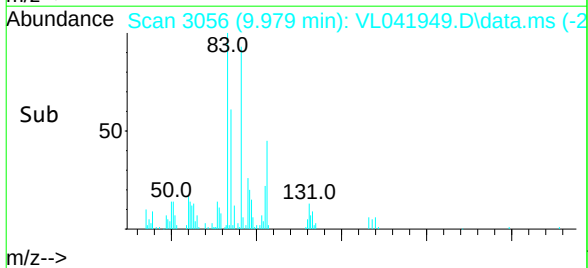
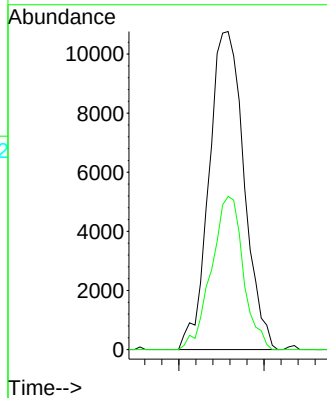
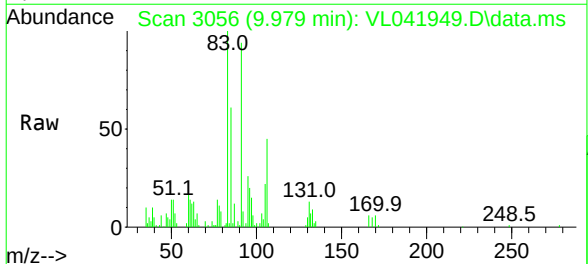
Manual Integrations
APPROVED

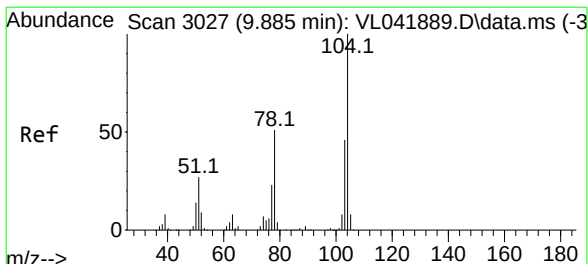
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#60
o-Xylene
Concen: 0.363 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

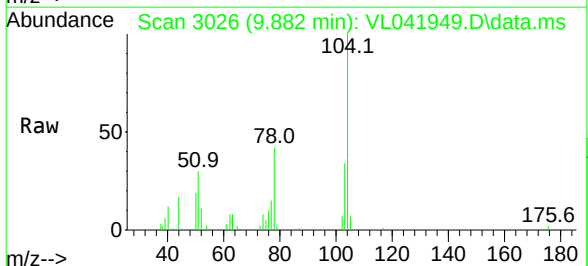
Tgt Ion: 91 Resp: 15387
Ion Ratio Lower Upper
91 100
106 43.6 21.3 63.9





#61
Styrene
 Concen: 0.333 ppbv
 RT: 9.882 min Scan# 3027
 Delta R.T. -0.003 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

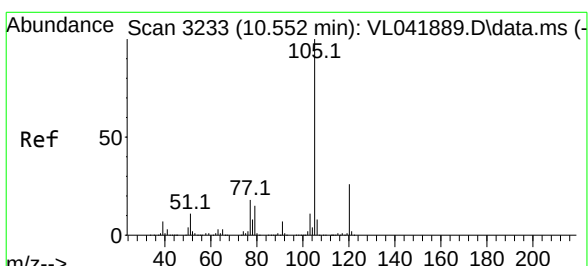
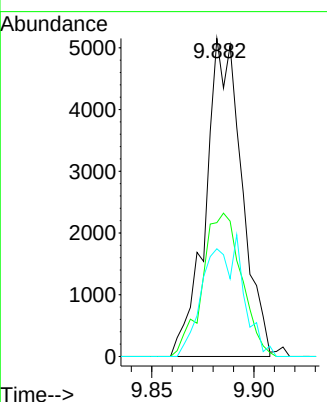
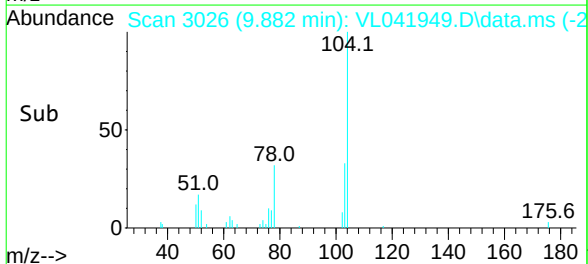
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT1-2025



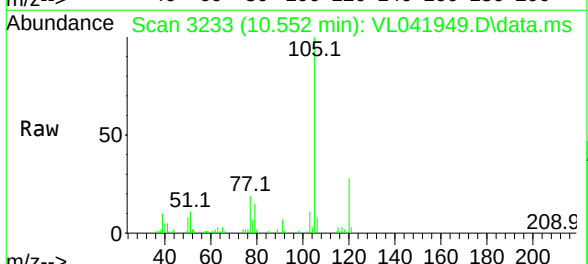
Tgt Ion: 104 Resp: 6327

Ion	Ratio	Lower	Upper
104	100		
78	48.8	41.0	61.6
103	40.1	37.2	55.8

Manual Integrations
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 Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

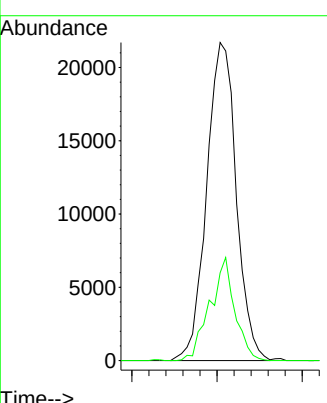
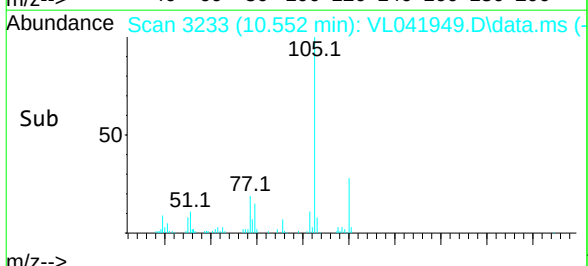


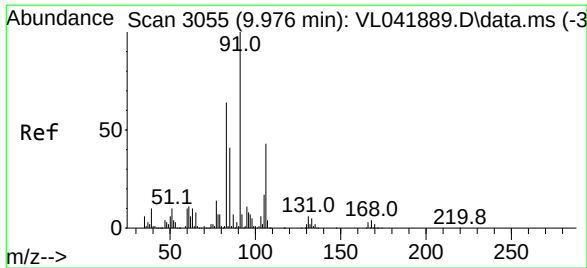
#62
Isopropylbenzene
 Concen: 0.399 ppbv
 RT: 10.552 min Scan# 3233
 Delta R.T. 0.000 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36



Tgt Ion: 105 Resp: 26180

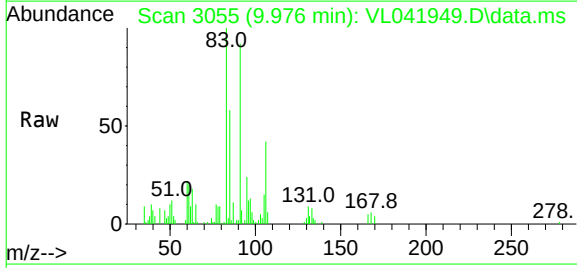
Ion	Ratio	Lower	Upper
105	100		
120	27.4	20.3	30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.554 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

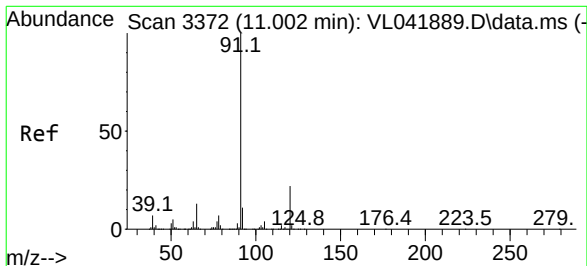
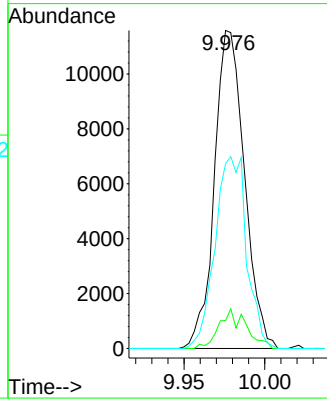
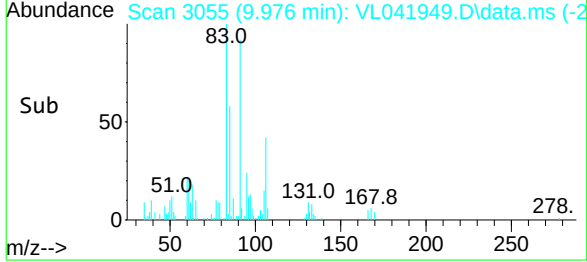
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



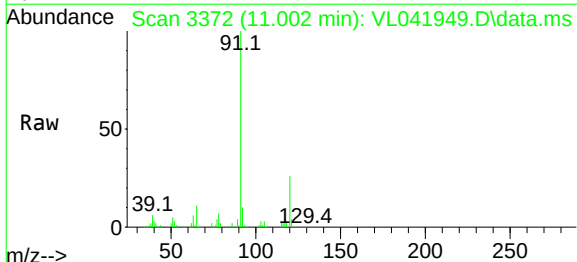
Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.8	14.4
85	63.4	32.4	97.2

Manual Integrations
APPROVED

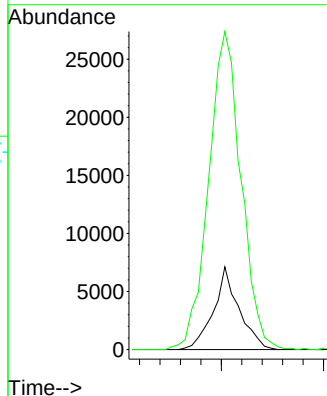
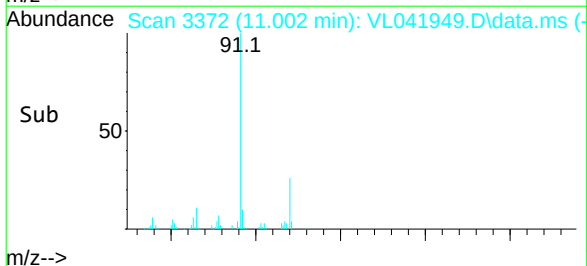
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

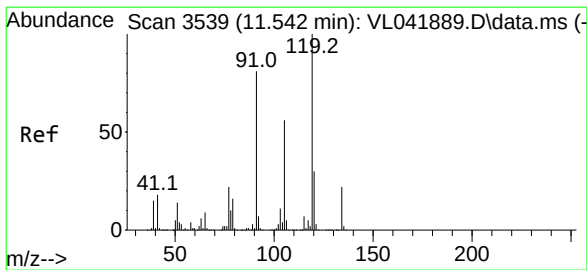


#64
n-propylbenzene
Concen: 0.371 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36



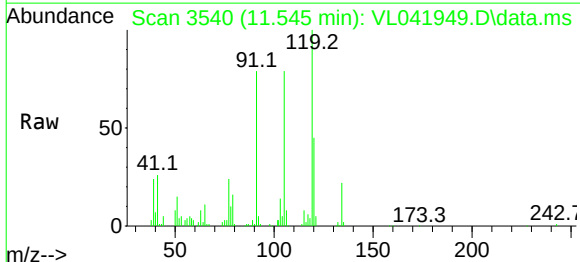
Tgt Ion	Ratio	Lower	Upper
120	100		
91	489.6	374.1	561.1





#65
tert-Butylbenzene
Concen: 0.358 ppbv
RT: 11.545 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

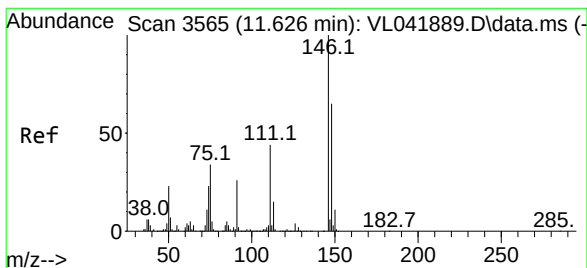
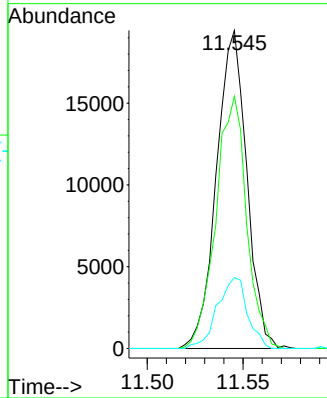
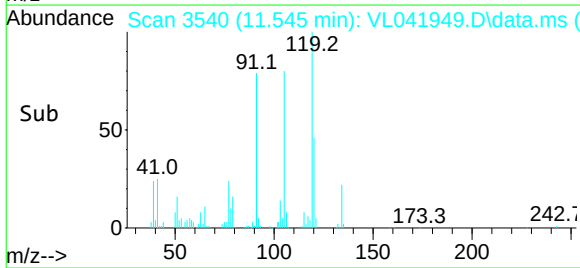
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion:	119	Resp:	21391
Ion Ratio	Lower	Upper	
119	100		
91	80.3	64.6	97.0
134	22.2	16.8	25.2

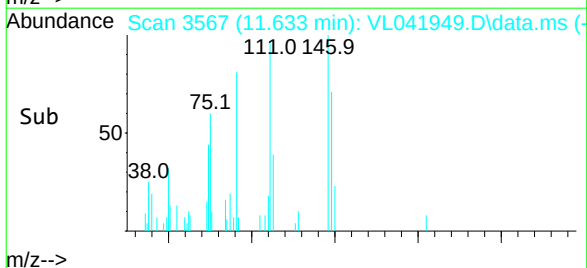
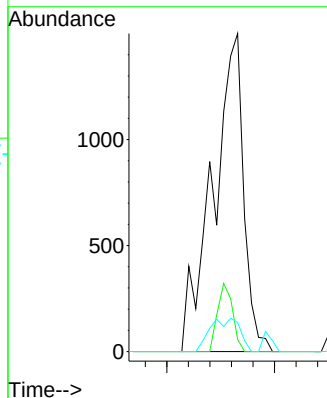
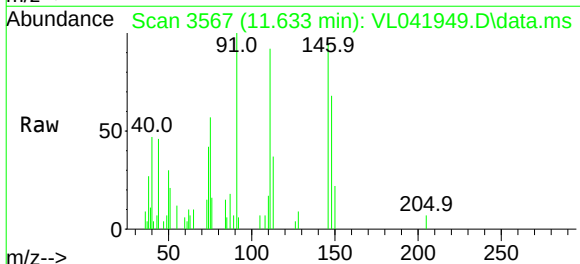
Manual Integrations
APPROVED

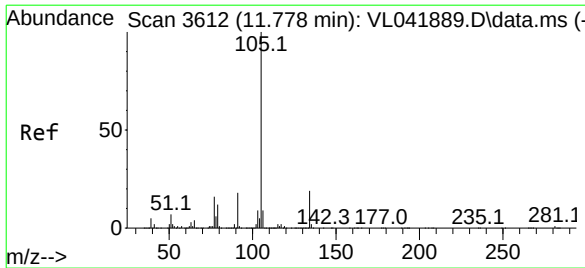
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#66
Benzyl Chloride
Concen: 0.401 ppbv m
RT: 11.633 min Scan# 3567
Delta R.T. 0.007 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion:	91	Resp:	1484
Ion Ratio	Lower	Upper	
91	100		
126	10.5	14.1	21.1#
128	12.1	4.3	6.5#





#67

sec-Butylbenzene

Concen: 0.390 ppbv

RT: 11.779 min Scan# 3612

Delta R.T. 0.000 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_1

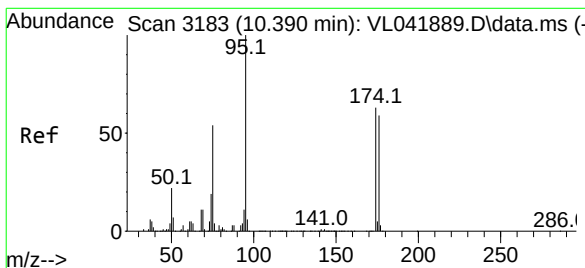
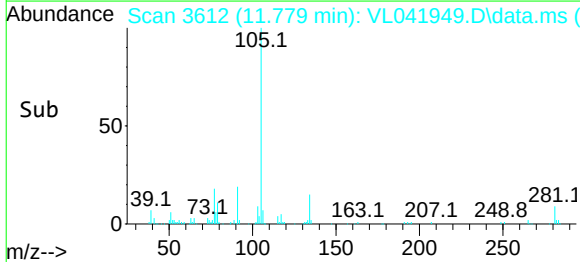
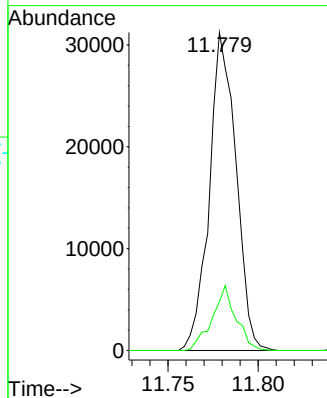
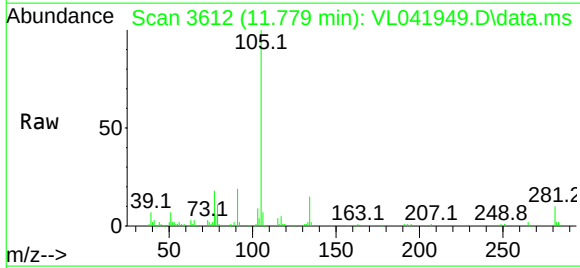
ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

Tgt Ion: 105 Resp: 32120
 Ion Ratio Lower Upper
 105 100
 134 18.2 15.1 22.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.665 ppbv

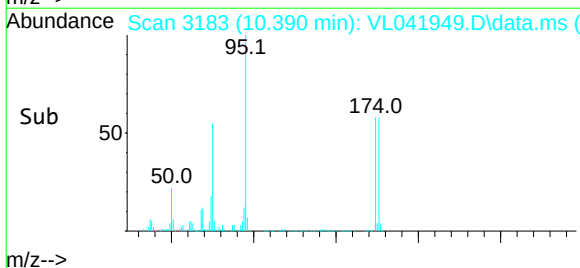
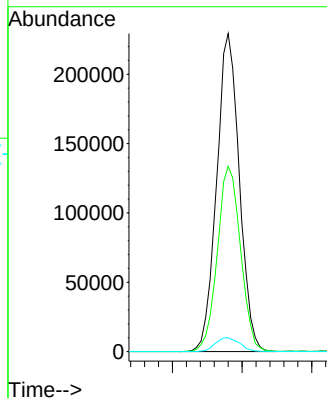
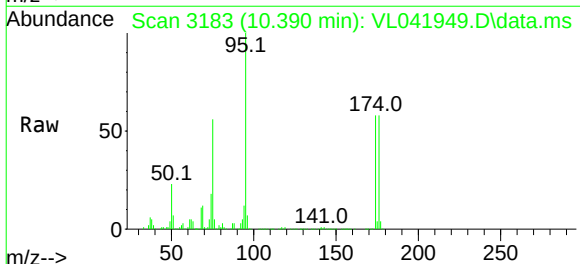
RT: 10.390 min Scan# 3183

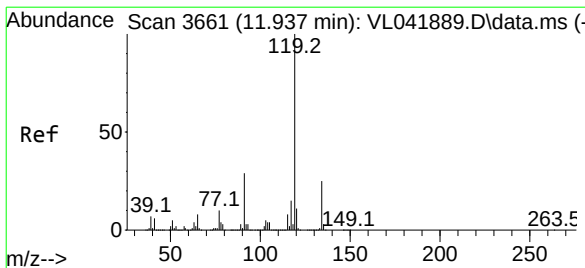
Delta R.T. 0.000 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Tgt Ion: 95 Resp: 259389
 Ion Ratio Lower Upper
 95 100
 174 59.6 49.0 73.4
 175 4.7 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.359 ppbv

RT: 11.940 min Scan# 3661

Delta R.T. 0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_L

ClientSampleId :

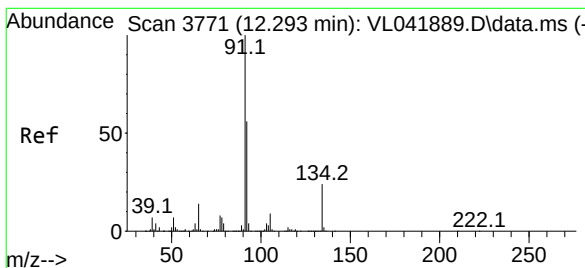
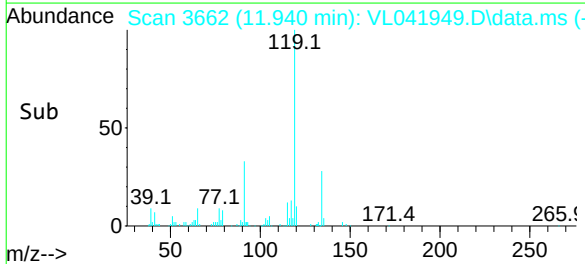
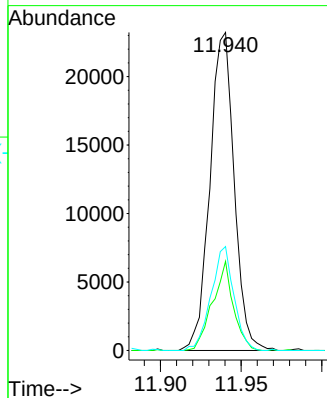
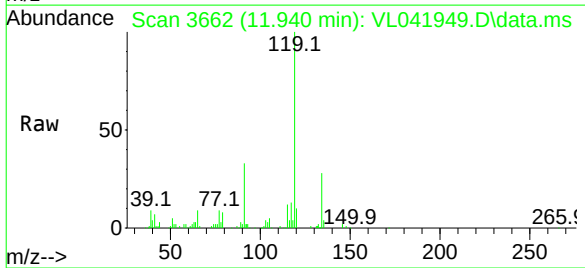
LOD-MDL-AIR-01-QT1-2025

Tgt	Ion:119	Resp:	24328
Ion	Ratio	Lower	Upper
119	100		
134	24.1	19.8	29.6
91	30.8	23.0	34.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#70

n-Butylbenzene

Concen: 0.349 ppbv

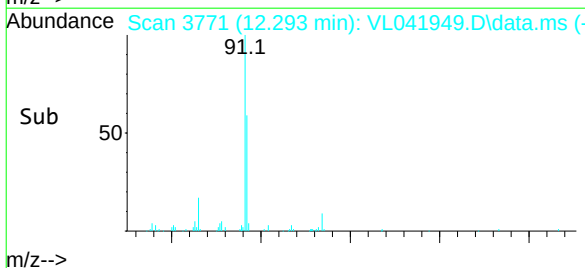
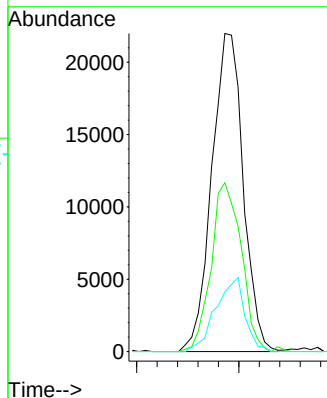
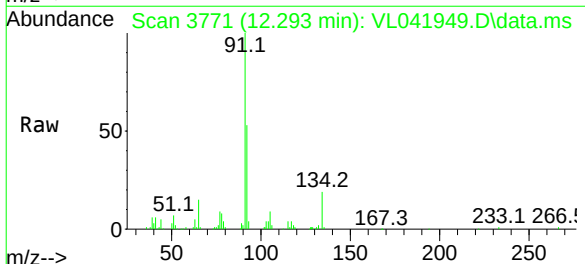
RT: 12.293 min Scan# 3771

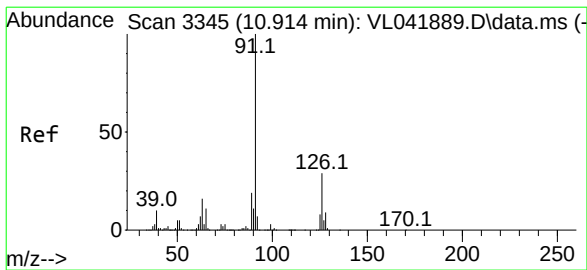
Delta R.T. 0.000 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

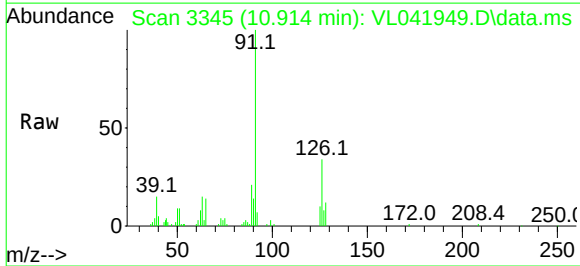
Tgt	Ion: 91	Resp:	23438
Ion	Ratio	Lower	Upper
91	100		
92	51.3	43.8	65.6
134	21.6	19.0	28.6





#71
2-Chlorotoluene
Concen: 0.367 ppbv
RT: 10.914 min Scan# 3345
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

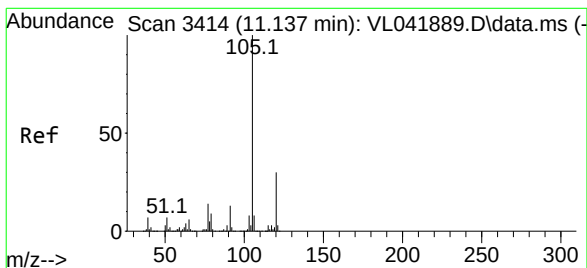
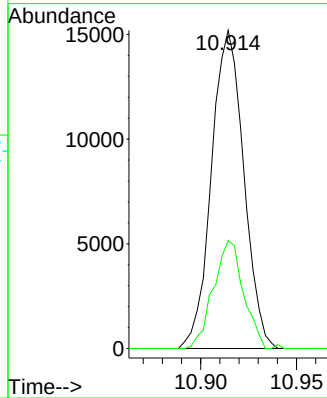
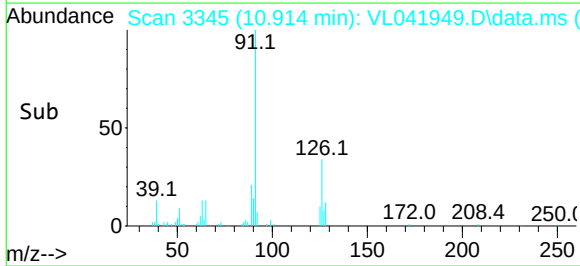
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 91 Resp: 17792
Ion Ratio Lower Upper
91 100
126 31.8 11.7 46.7

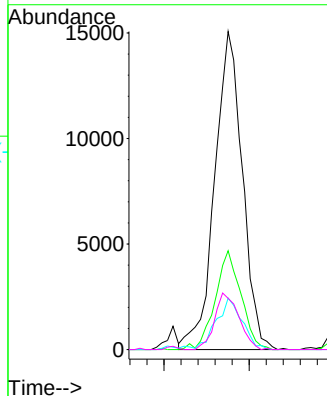
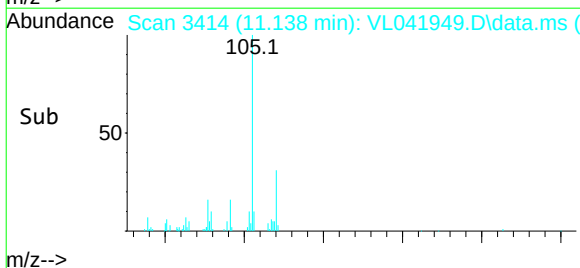
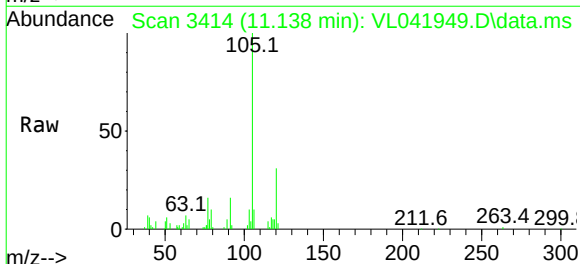
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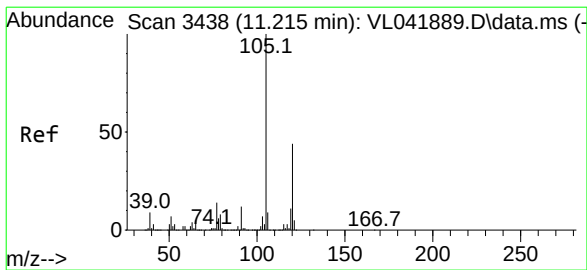
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#72
4-Ethyltoluene
Concen: 0.336 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL041949.D
Acq: 27 Jan 2025 13:36

Tgt Ion:105 Resp: 17031
Ion Ratio Lower Upper
105 100
120 29.0 23.7 35.5
91 15.9 10.2 15.2#
77 16.0 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.350 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.000 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_L

ClientSampleId :

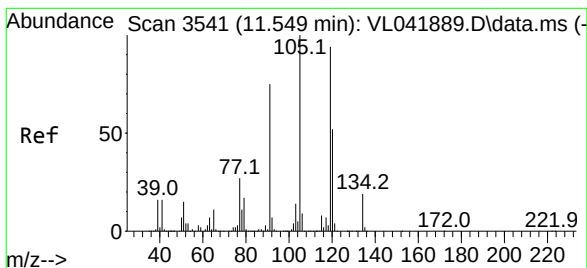
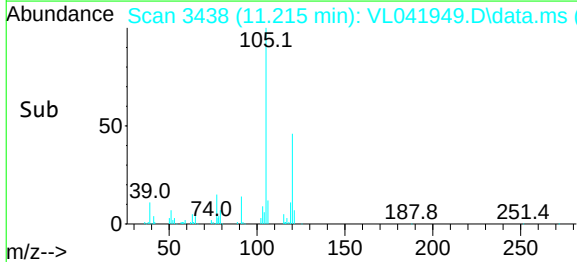
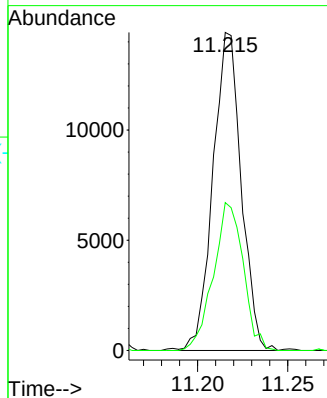
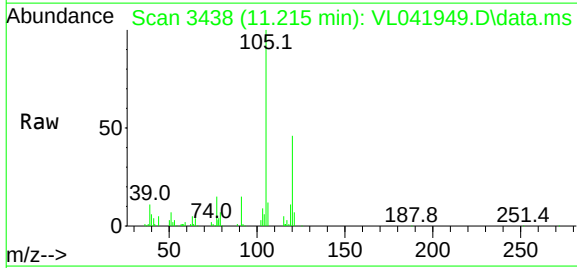
LOD-MDL-AIR-01-QT1-2025

Tgt Ion:	105	Resp:	15683
Ion Ratio	Lower	Upper	
105	100		
120	46.5	35.4	53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.378 ppbv

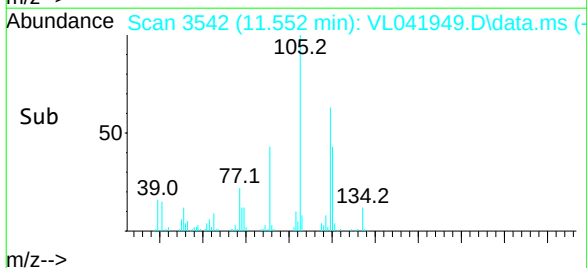
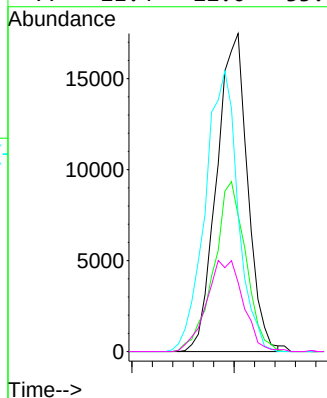
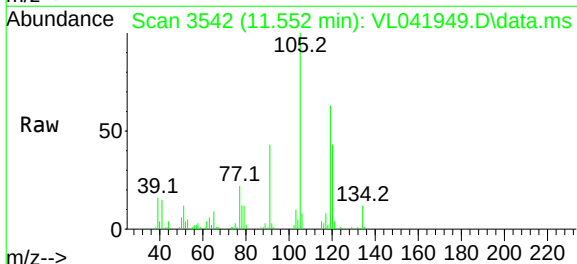
RT: 11.552 min Scan# 3542

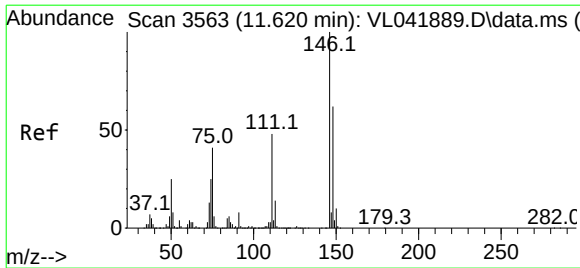
Delta R.T. 0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

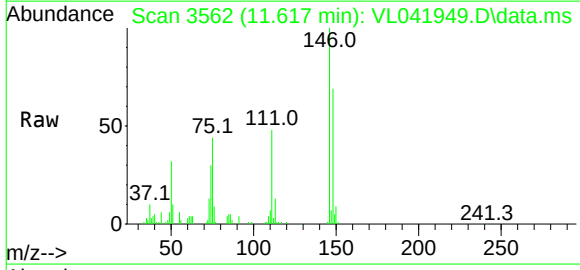
Tgt Ion:	105	Resp:	18331
Ion Ratio	Lower	Upper	
105	100		
120	42.4	41.4	62.2
91	43.0	60.2	90.2#
77	21.4	22.0	33.0#





#75
 1,3-Dichlorobenzene
 Concen: 0.499 ppbv
 RT: 11.617 min Scan# 3562
 Delta R.T. -0.003 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

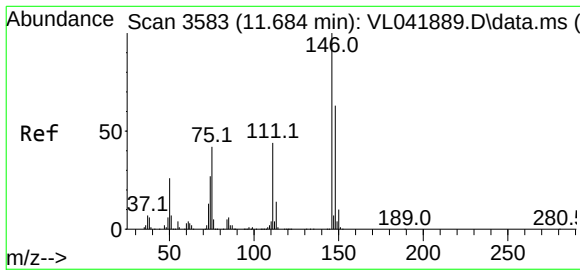
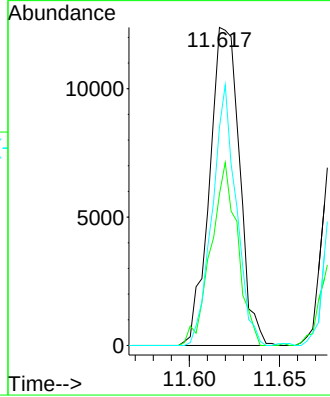
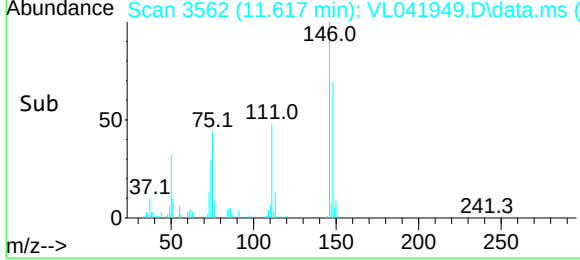
Instrument : MSVOA_L
 ClientSampleId : LOD-MDL-AIR-01-QT1-2025



Tgt Ion:	146	Resp:	14333
Ion Ratio	Lower	Upper	
146	100		
111	51.0	23.6	70.8
148	65.5	31.4	94.0

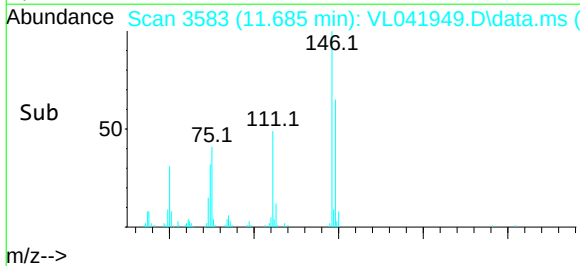
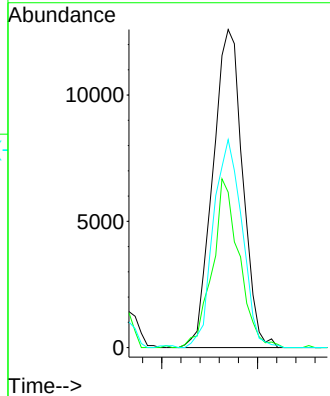
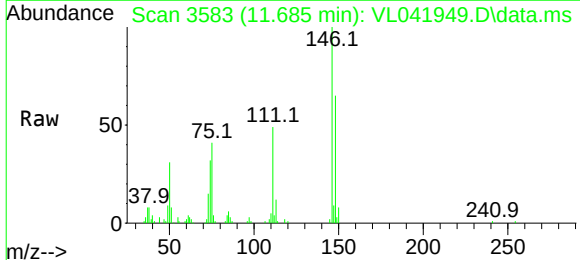
Manual Integrations
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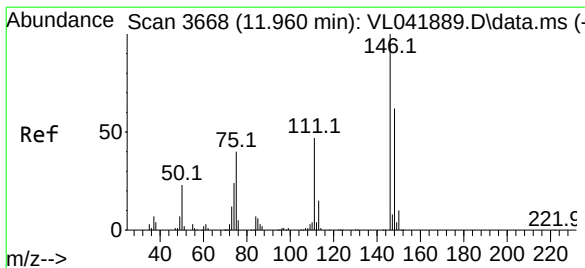
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#76
 1,4-Dichlorobenzene
 Concen: 0.484 ppbv
 RT: 11.685 min Scan# 3583
 Delta R.T. 0.000 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

Tgt Ion:	146	Resp:	13591
Ion Ratio	Lower	Upper	
146	100		
111	47.6	22.4	67.0
148	63.5	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 0.515 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. 0.000 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_1

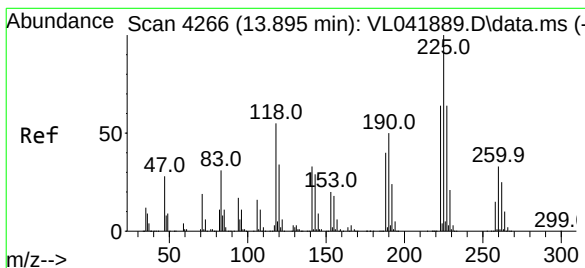
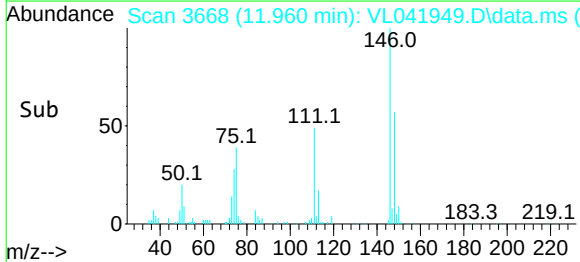
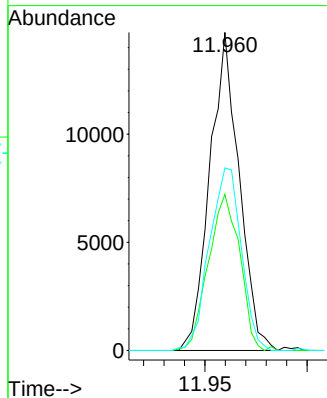
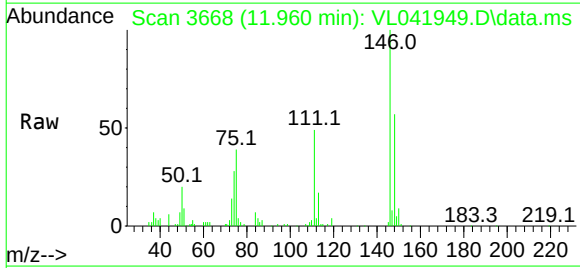
ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

Tgt Ion:	146	Resp:	14661
Ion Ratio	Lower	Upper	
146	100		
111	52.5	24.2	72.6
148	62.9	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.486 ppbv

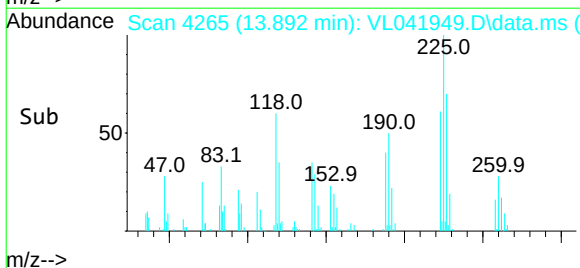
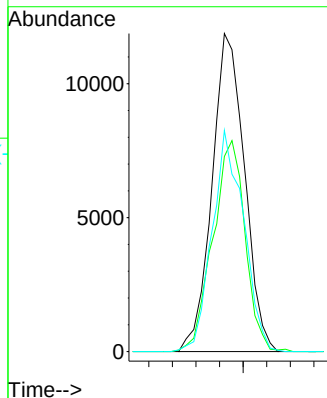
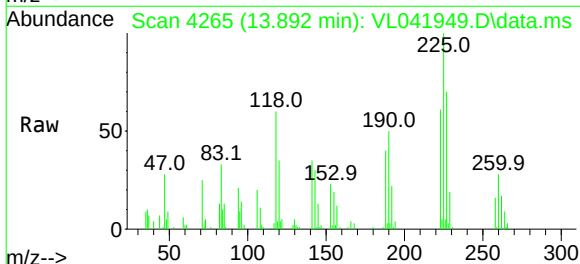
RT: 13.892 min Scan# 4265

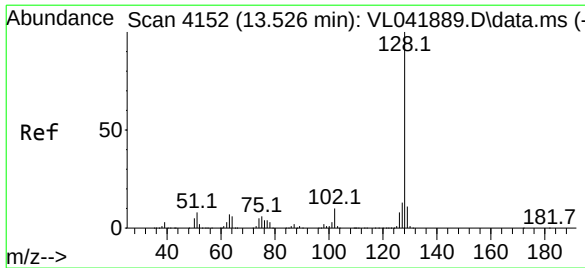
Delta R.T. -0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Tgt Ion:	225	Resp:	11364
Ion Ratio	Lower	Upper	
225	100		
223	66.0	50.8	76.2
227	67.4	50.3	75.5





#79

Naphthalene

Concen: 0.293 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. -0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

Instrument :

MSVOA_L

ClientSampleId :

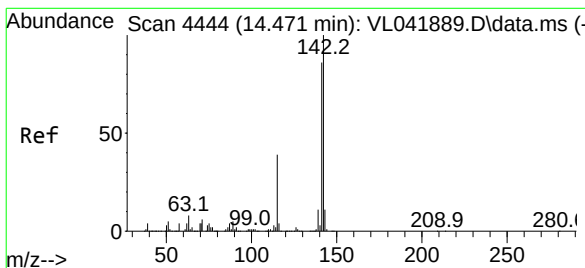
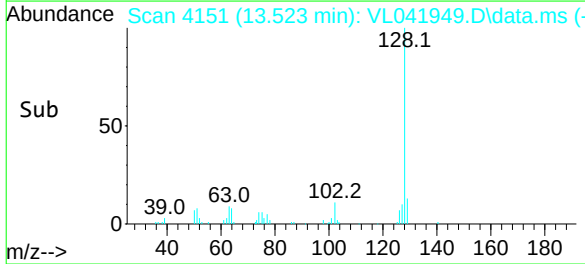
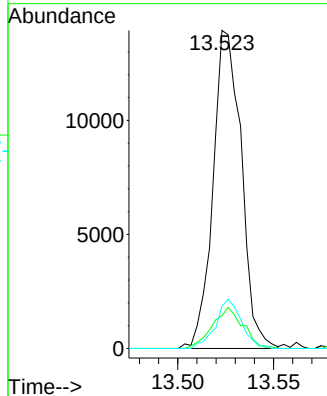
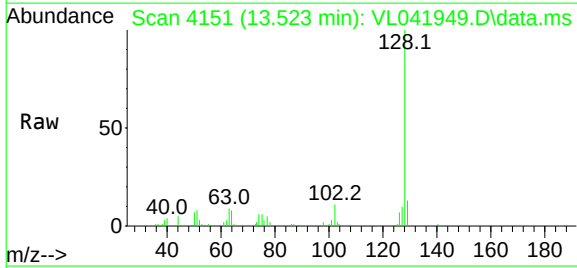
LOD-MDL-AIR-01-QT1-2025

Tgt Ion:	128	Resp:	14298
Ion Ratio	Lower	Upper	
128	100		
127	10.3	10.2	15.4
129	13.3	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#80

Naphthalene,2-methyl-

Concen: 0.149 ppbv

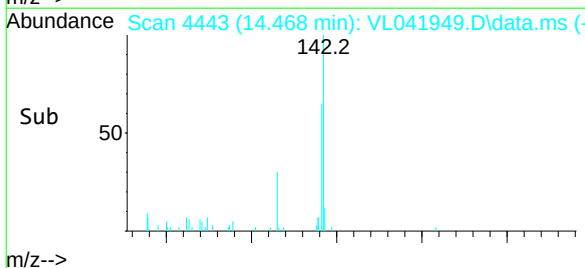
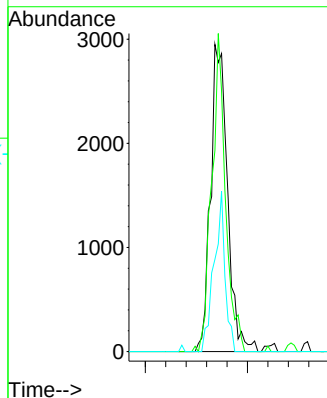
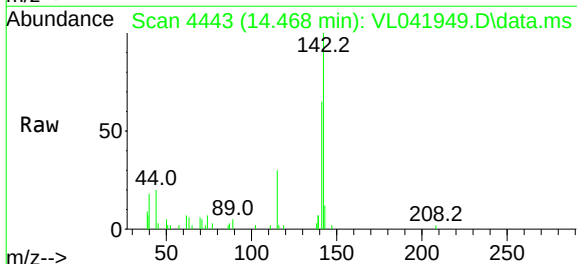
RT: 14.468 min Scan# 4443

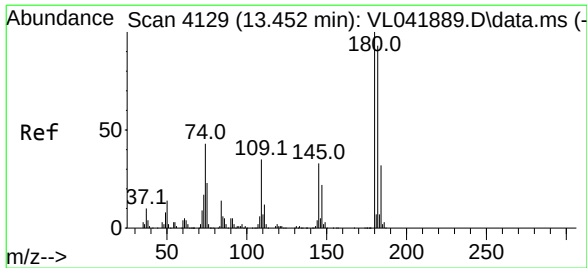
Delta R.T. -0.003 min

Lab File: VL041949.D

Acq: 27 Jan 2025 13:36

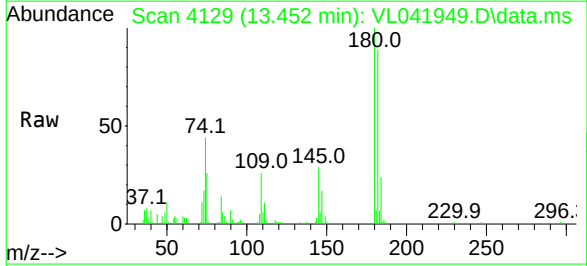
Tgt Ion:	142	Resp:	3436
Ion Ratio	Lower	Upper	
142	100		
141	83.6	68.1	102.1
115	33.6	31.7	47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.388 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041949.D
 Acq: 27 Jan 2025 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion:	180	Resp:	9238
Ion Ratio	Lower	Upper	
180	100		
182	92.5	77.0	115.6
184	30.2	24.9	37.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

