

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041950.D
 Acq On : 27 Jan 2025 14:06
 Operator : SY/MD
 Sample : Q1168-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 28 02:36:54 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	140378	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	393689	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	335291	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	259853	9.840	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8559	0.448	ppbv	95
3) Chlorodifluoromethane	1.480	51	9753	0.487	ppbv	99
4) Chloromethane	1.535	50	3138	0.436	ppbv #	83
5) Vinyl Chloride	1.583	62	3346	0.459	ppbv	96
6) Bromomethane	1.671	94	1711	0.493	ppbv	97
7) Chloroethane	1.709	64	1717	0.606	ppbv #	73
8) Dichlorotetrafluoroethane	1.557	85	7474	0.447	ppbv	99
9) Propene	1.486	41	3180	0.385	ppbv	90
10) Heptane	4.995	43	7413	0.336	ppbv	100
11) Trichlorofluoromethane	1.881	101	8715	0.438	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.143	101	7908	0.507	ppbv	91
13) Ethanol	1.726	45	475m	0.786	ppbv	
14) Bromoethene	1.784	108	2461	0.431	ppbv #	91
15) Acetone	1.842	43	10042	0.596	ppbv	99
16) 1,3-Butadiene	1.612	39	4003	0.529	ppbv #	79
17) tert-Butyl alcohol	2.049	59	9035	0.435	ppbv #	91
18) 1,1-Dichloroethene	2.040	96	3524	0.502	ppbv	89
19) Isopropyl Alcohol	1.894	45	5810	0.581	ppbv #	32
20) Methylene Chloride	2.069	84	3952	0.593	ppbv #	68
21) Allyl Chloride	2.101	41	5127	0.439	ppbv	87
22) trans-1,2-Dichloroethene	2.347	96	3981m	0.502	ppbv	
23) Vinyl Acetate	2.470	43	3754m	0.449	ppbv	
24) 1,1-Dichloroethane	2.415	63	7127	0.465	ppbv	97
25) Ethyl Acetate	2.849	43	18056	0.397	ppbv #	97
26) Hexane	2.836	57	6572	0.365	ppbv #	82
27) Carbon Disulfide	2.156	76	7805	0.439	ppbv #	19
28) Methyl tert-Butyl Ether	2.447	73	4868	0.354	ppbv	93
29) Chloroform	2.855	83	13909	0.489	ppbv #	82
30) Cyclohexane	3.872	84	5384m	0.345	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	7261	0.383	ppbv #	84
32) 1,1,1-Trichloroethane	3.380	97	10968	0.403	ppbv	95
34) 2-Butanone	2.570	43	11680	0.467	ppbv	95
35) Carbon Tetrachloride	3.778	117	11019	0.446	ppbv	93
36) Benzene	3.668	78	15852	0.439	ppbv	95
37) 1,2-Dichloroethane	3.227	62	10062	0.496	ppbv	99
38) Trichloroethene	4.564	130	6821	0.476	ppbv #	82
39) 1,2-Dichloropropane	4.325	63	6174	0.487	ppbv #	67
40) 1,4-Dioxane	4.626	88	2697m	0.422	ppbv	
41) Tetrahydrofuran	3.075	42	5588m	0.411	ppbv	
42) Bromodichloromethane	4.503	83	11701	0.430	ppbv #	92
43) Methyl Methacrylate	4.898	69	4518m	0.337	ppbv	
44) 2,2,4-Trimethylpentane	4.658	57	22463	0.385	ppbv	95
45) t-1,3-Dichloropropene	6.432	75	4086m	0.325	ppbv	

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Quant Time: Jan 28 02:36:54 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.623	75	5394m	0.327	ppbv	
47) 1,1,2-Trichloroethane	6.610	97	6681m	0.498	ppbv	
48) Dibromochloromethane	7.399	129	8140m	0.393	ppbv	
49) Bromoform	9.497	173	5887m	0.346	ppbv	
50) 4-Methyl-2-Pentanone	5.797	43	11950m	0.350	ppbv	
51) 2-Hexanone	7.464	43	8250	0.314	ppbv #	97
52) Tetrachloroethene	8.241	164	5069	0.405	ppbv #	80
53) Toluene	6.953	91	13400m	0.341	ppbv	
54) 1,2-Dibromoethane	7.665	107	7928m	0.430	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.937	131	7453	0.446	ppbv	87
57) Chlorobenzene	8.934	112	14737	0.476	ppbv #	86
58) Ethyl Benzene	9.364	91	16332	0.312	ppbv	99
59) m/p-Xylene	9.562	91	26120m	0.622	ppbv	
60) o-Xylene	9.973	91	12522	0.300	ppbv	94
61) Styrene	9.882	104	4936	0.264	ppbv	99
62) Isopropylbenzene	10.552	105	22512	0.349	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	12872	0.483	ppbv	98
64) n-propylbenzene	10.999	120	4965	0.305	ppbv	87
65) tert-Butylbenzene	11.539	119	18194	0.309	ppbv	99
66) Benzyl Chloride	11.623	91	1122m	0.308	ppbv	
67) sec-Butylbenzene	11.779	105	25454	0.314	ppbv	98
69) p-Isopropyltoluene	11.934	119	19353	0.290	ppbv	96
70) n-Butylbenzene	12.290	91	18157	0.275	ppbv	98
71) 2-Chlorotoluene	10.911	91	16241	0.340	ppbv	98
72) 4-Ethyltoluene	11.135	105	14941	0.300	ppbv	97
73) 1,3,5-Trimethylbenzene	11.212	105	12754	0.290	ppbv	98
74) 1,2,4-Trimethylbenzene	11.549	105	14772	0.310	ppbv #	78
75) 1,3-Dichlorobenzene	11.617	146	12513	0.443	ppbv	97
76) 1,4-Dichlorobenzene	11.682	146	11007	0.398	ppbv	96
77) 1,2-Dichlorobenzene	11.957	146	12824	0.458	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	9677	0.421	ppbv	96
79) Naphthalene	13.523	128	11296	0.235	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	2307	0.101	ppbv #	93
81) 1,2,4-Trichlorobenzene	13.449	180	7225	0.308	ppbv	98

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

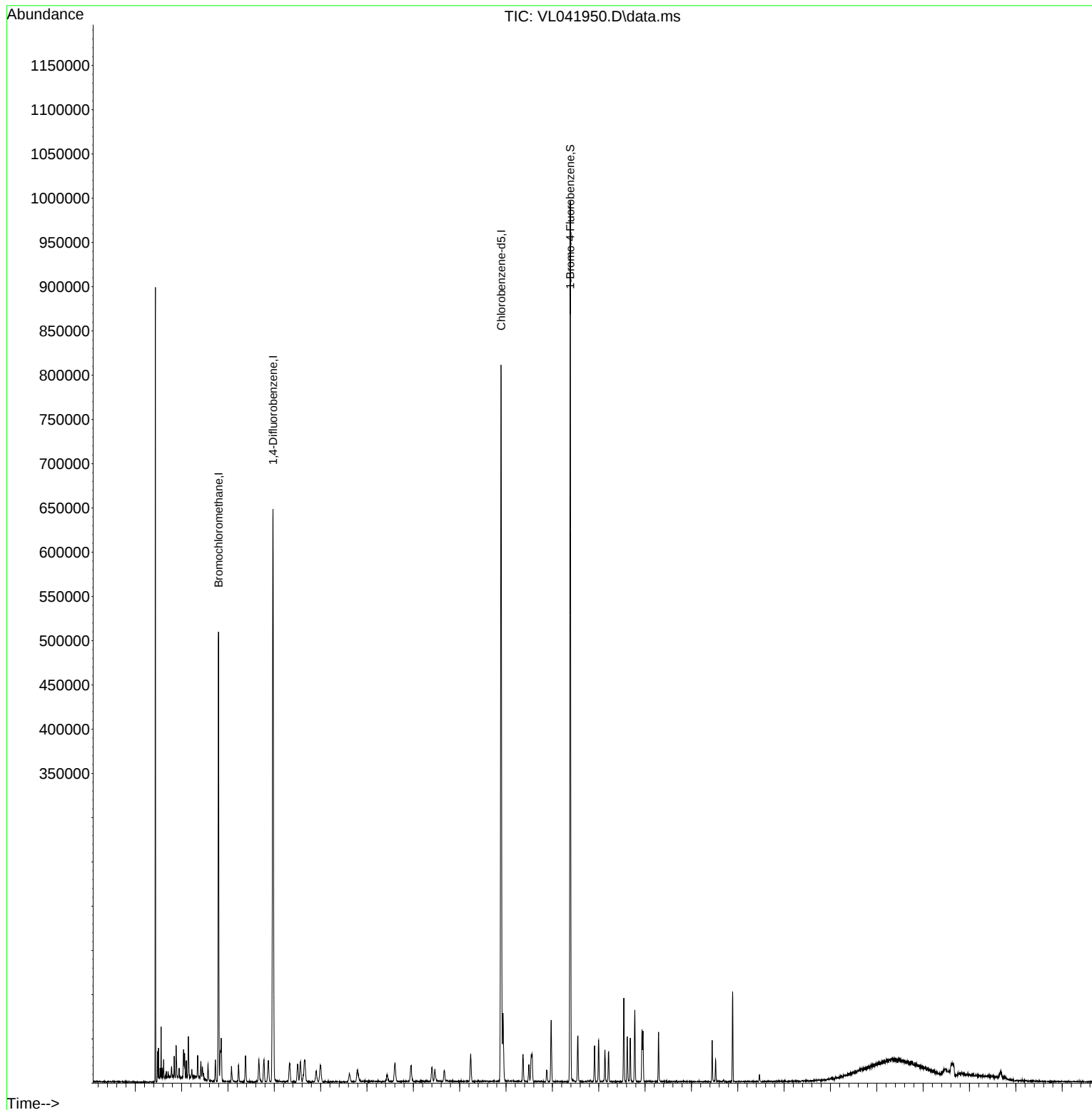
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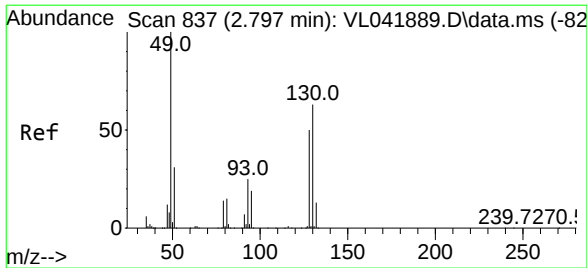
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025

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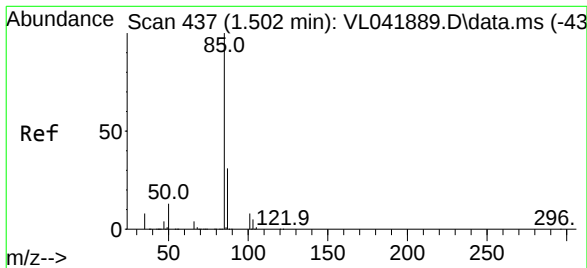
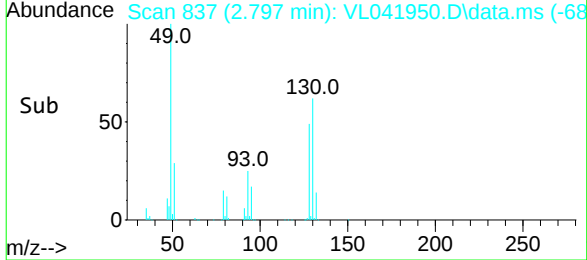
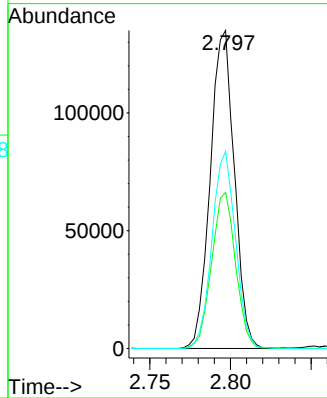
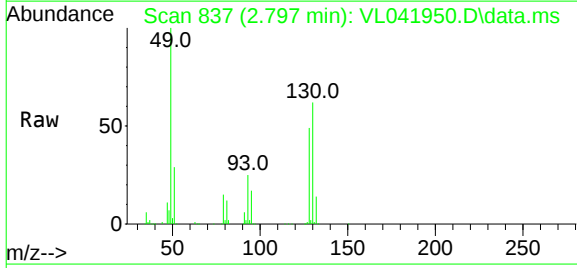
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion: 49 Resp: 140378
Ion Ratio Lower Upper
49 100
128 48.8 24.3 73.0
130 60.5 31.1 93.2

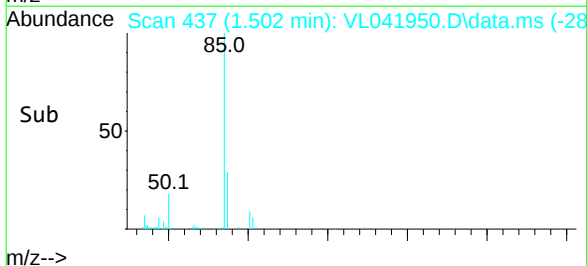
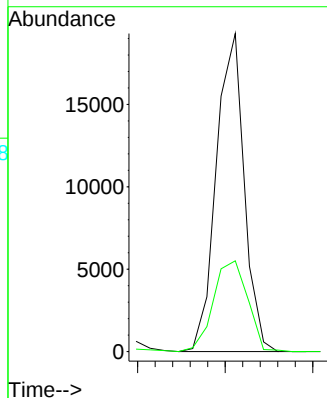
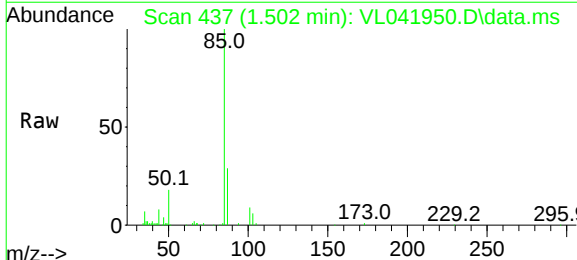
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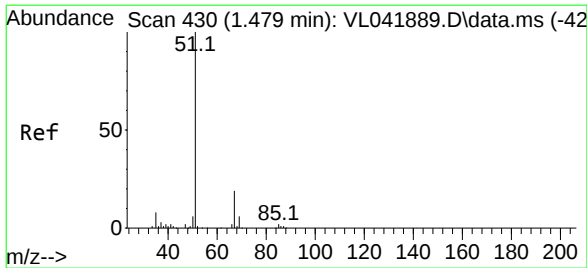
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#2
Dichlorodifluoromethane
Concen: 0.448 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

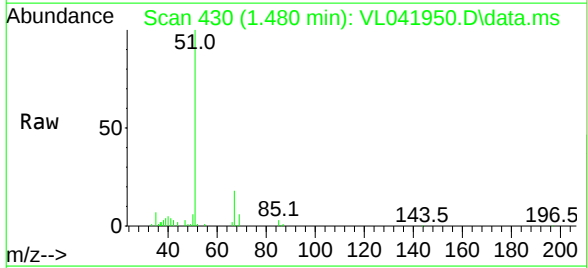
Tgt Ion: 85 Resp: 8559
Ion Ratio Lower Upper
85 100
87 28.5 24.9 37.3





#3
Chlorodifluoromethane
Concen: 0.487 ppbv
RT: 1.480 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

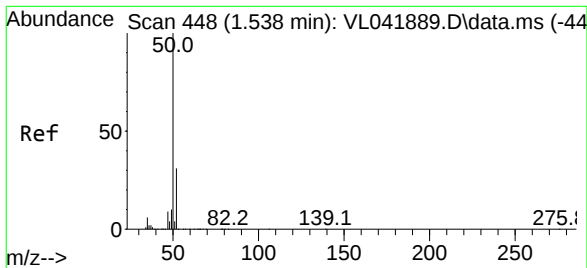
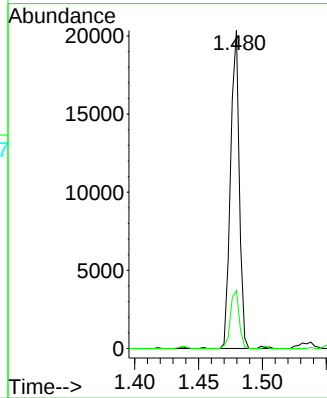
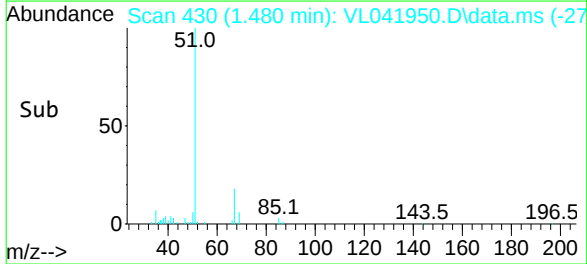
Instrument :
MSVOA_L
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LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 51 Resp: 9753
Ion Ratio Lower Upper
51 100
67 18.5 15.0 22.4

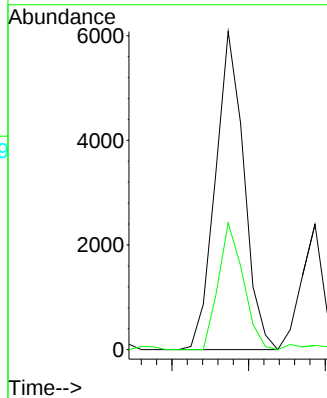
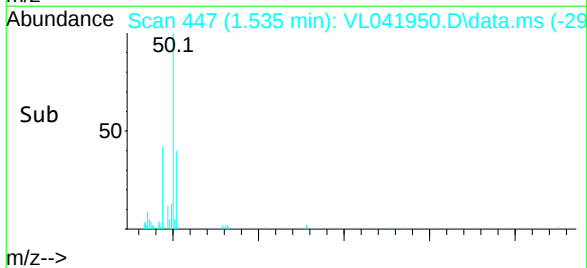
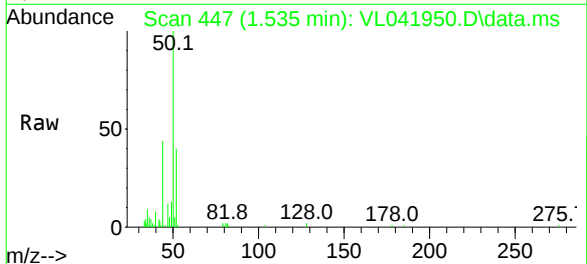
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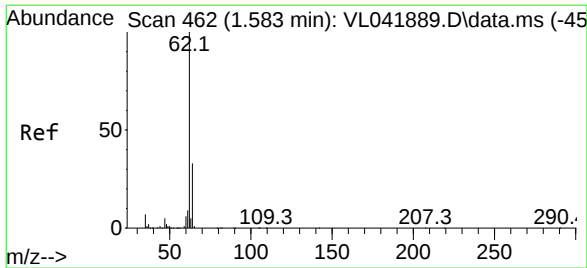
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#4
Chloromethane
Concen: 0.436 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

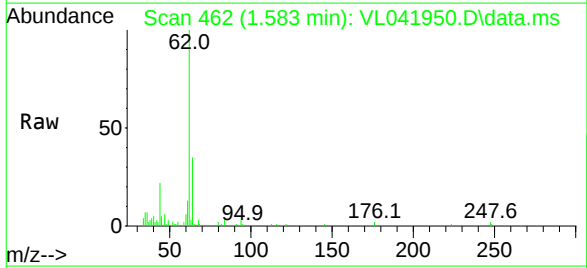
Tgt Ion: 50 Resp: 3138
Ion Ratio Lower Upper
50 100
52 39.9 24.6 36.8#





#5
 Vinyl Chloride
 Concen: 0.459 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

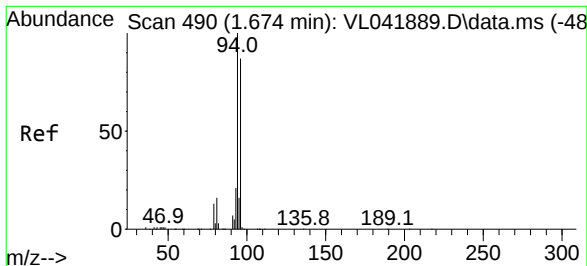
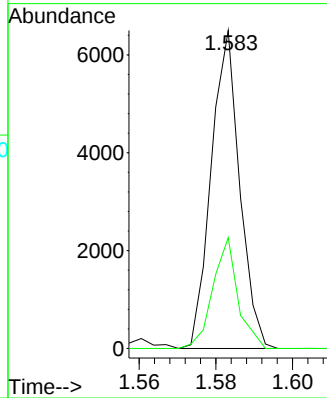
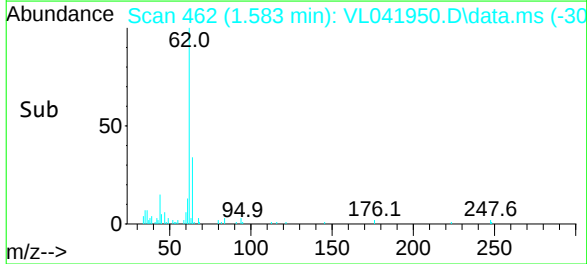
Instrument : MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 62 Resp: 3346
 Ion Ratio Lower Upper
 62 100
 64 34.9 26.1 39.1

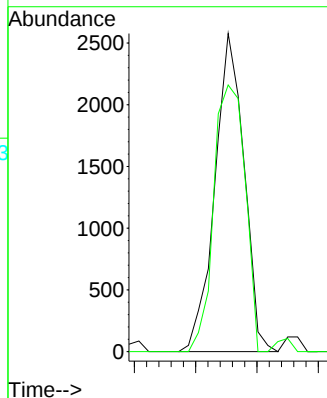
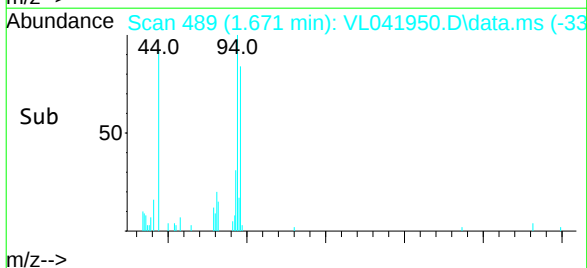
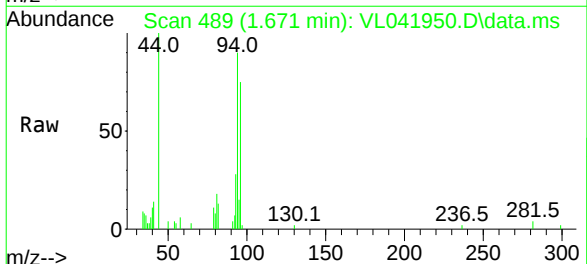
Manual Integrations
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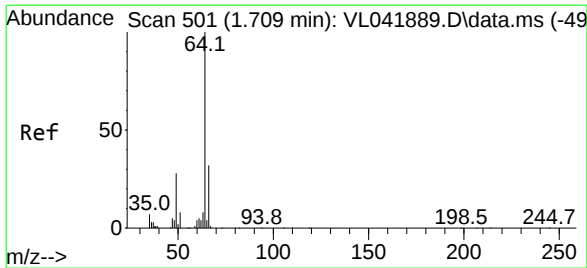
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#6
 Bromomethane
 Concen: 0.493 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

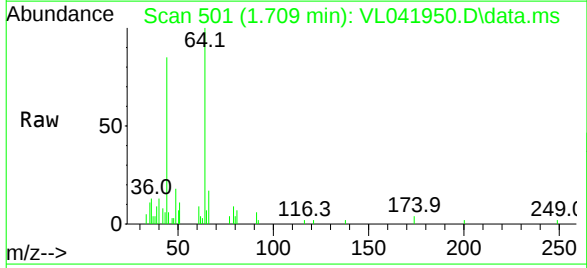
Tgt Ion: 94 Resp: 1711
 Ion Ratio Lower Upper
 94 100
 96 83.8 69.5 104.3





#7
Chloroethane
Concen: 0.606 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

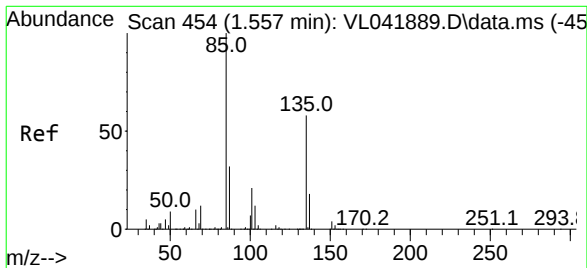
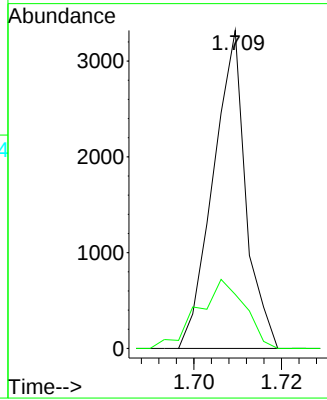
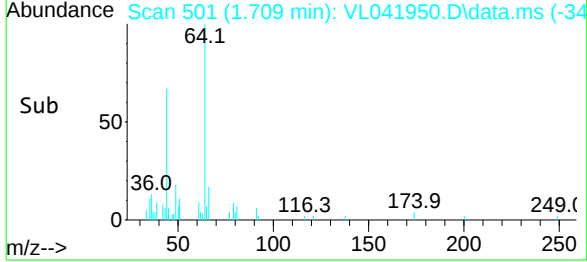
Instrument : MSVOA_L
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Tgt Ion: 64 Resp: 1717
Ion Ratio Lower Upper
64 100
66 17.0 25.7 38.5

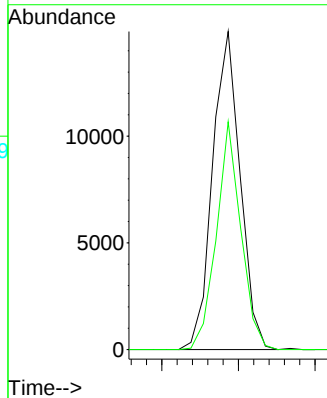
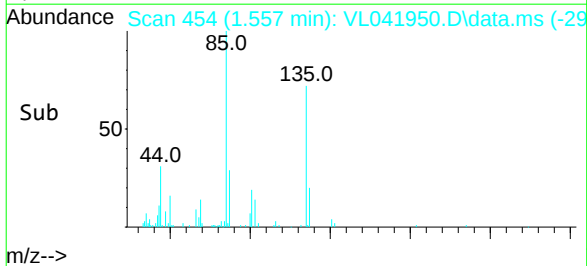
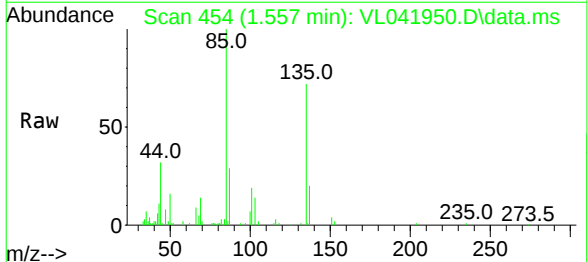
Manual Integrations
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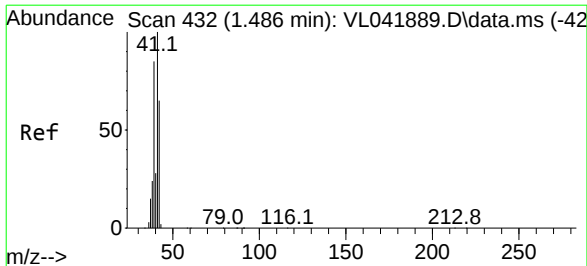
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#8
Dichlorotetrafluoroethane
Concen: 0.447 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 85 Resp: 7474
Ion Ratio Lower Upper
85 100
135 63.4 50.0 75.0





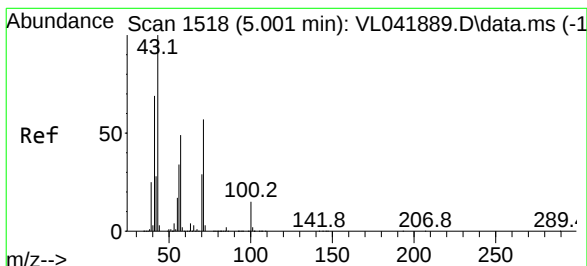
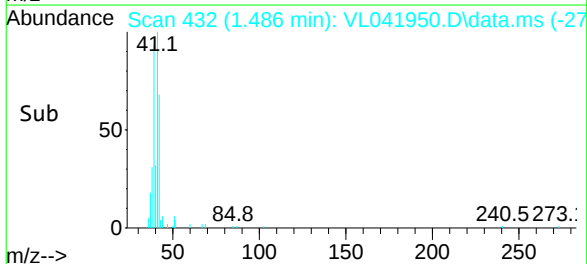
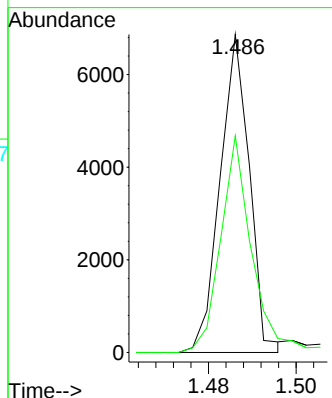
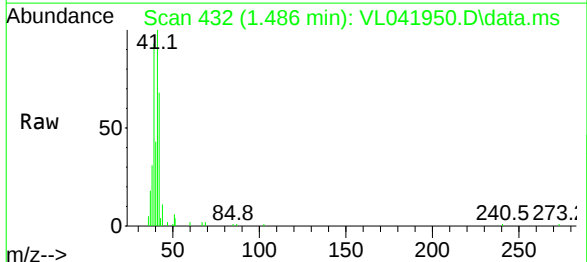
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Propene
Concen: 0.385 ppbv
RT: 1.486 min Scan# 43
Delta R.T. 0.000 min
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Tgt Ion: 41 Resp: 3180
Ion Ratio Lower Upper
41 100
42 72.6 52.0 78.0

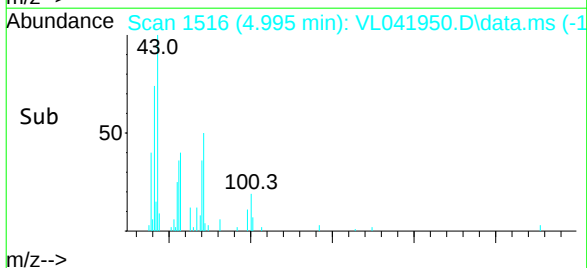
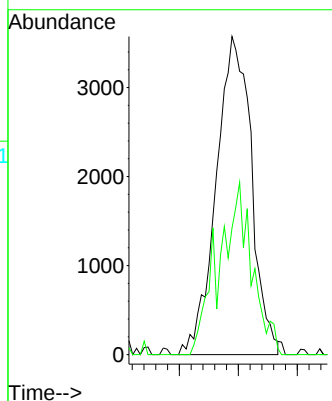
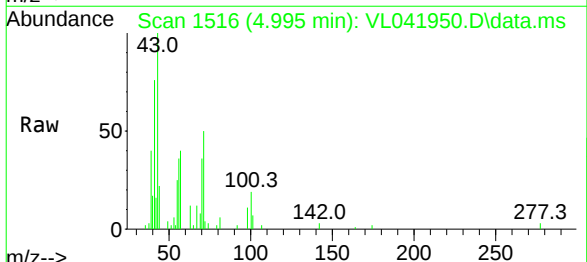
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APPROVED

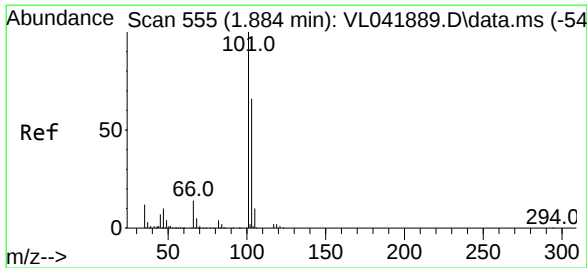
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#10
Heptane
Concen: 0.336 ppbv
RT: 4.995 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 43 Resp: 7413
Ion Ratio Lower Upper
43 100
57 51.0 41.0 61.4





#11

Trichlorofluoromethane

Concen: 0.438 ppbv

RT: 1.881 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041950.D

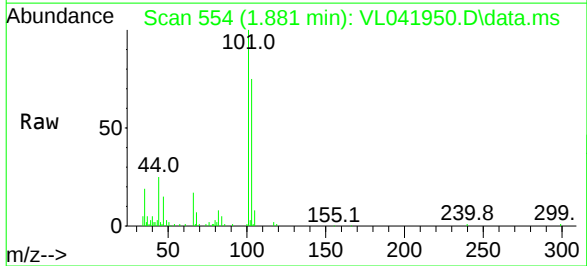
Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2025



Tgt Ion:101 Resp: 8715

Ion Ratio Lower Upper

101 100

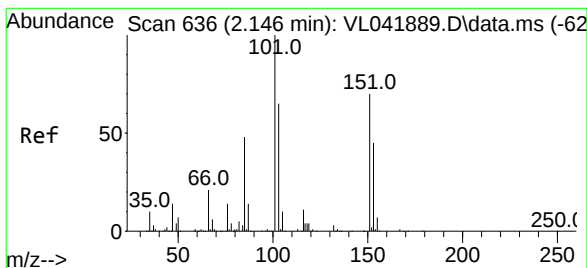
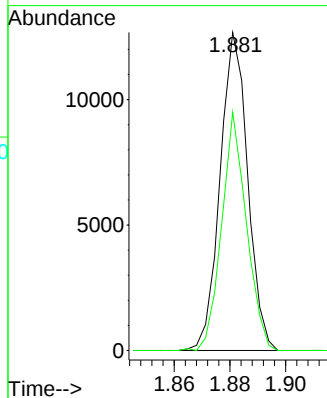
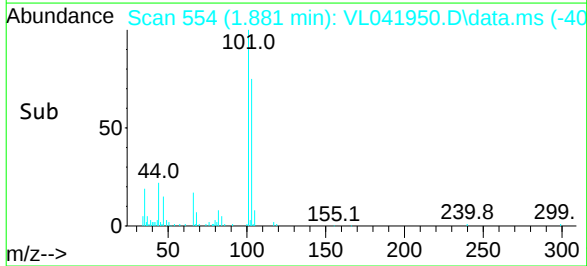
103 74.9 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.507 ppbv

RT: 2.143 min Scan# 635

Delta R.T. -0.003 min

Lab File: VL041950.D

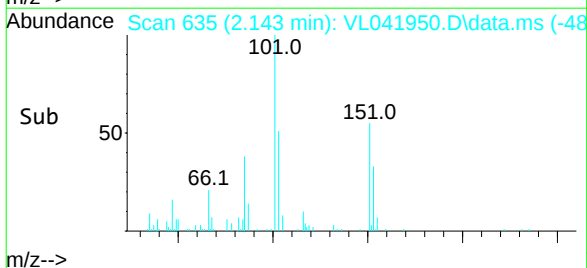
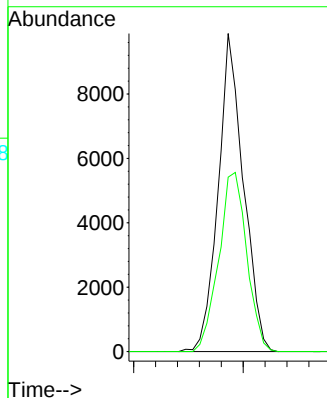
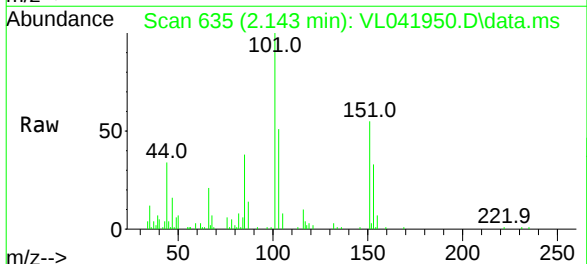
Acq: 27 Jan 2025 14:06

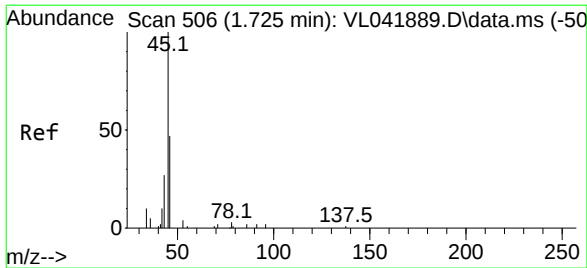
Tgt Ion:101 Resp: 7908

Ion Ratio Lower Upper

101 100

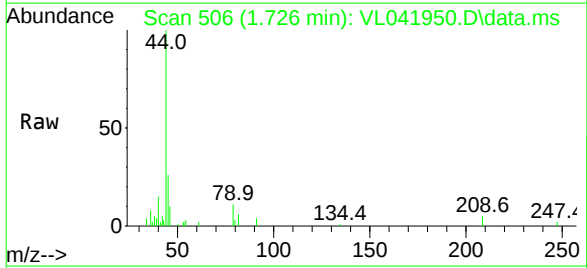
151 62.5 56.1 84.1





#13
Ethanol
Concen: 0.786 ppbv m
RT: 1.726 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

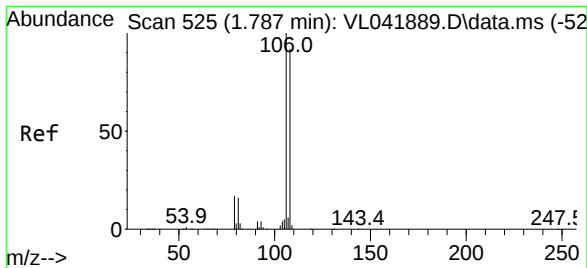
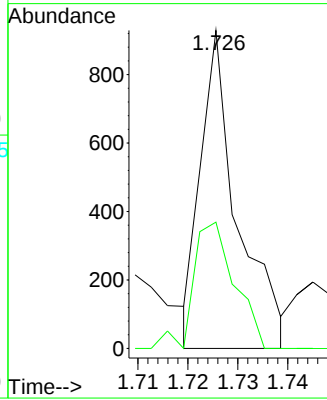
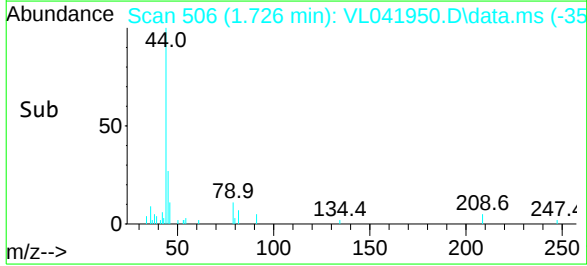
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 45 Resp: 475
Ion Ratio Lower Upper
45 100
46 44.6 18.1 72.5

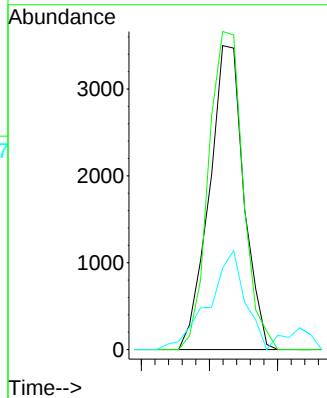
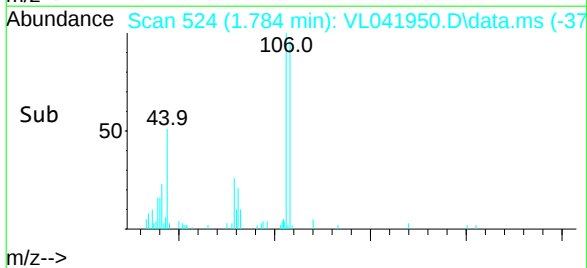
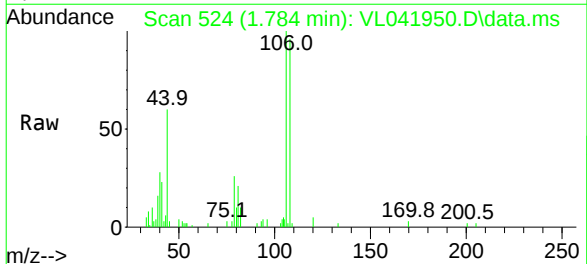
Manual Integrations
APPROVED

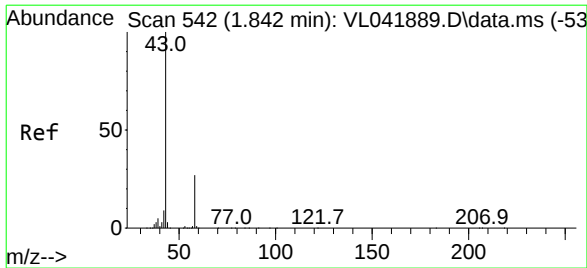
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#14
Bromoethene
Concen: 0.431 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion:108 Resp: 2461
Ion Ratio Lower Upper
108 100
106 104.3 85.5 128.3
79 40.0 15.3 22.9#





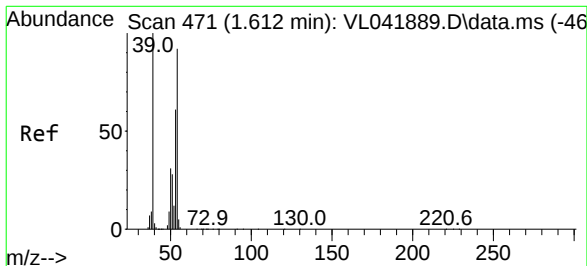
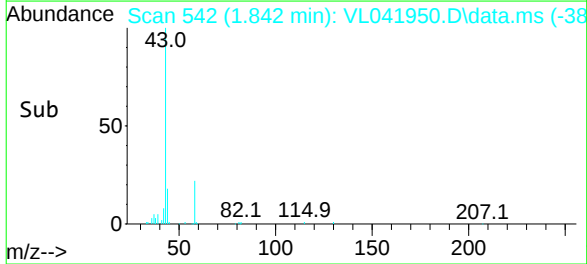
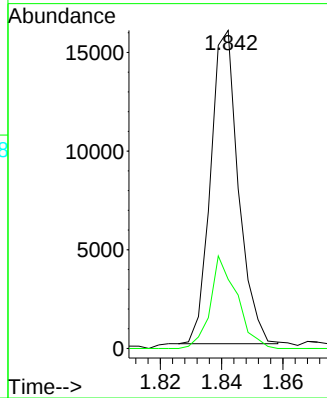
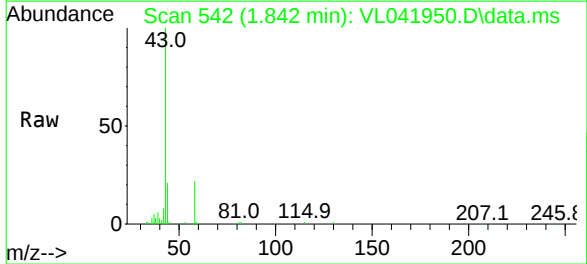
#15
Acetone
Concen: 0.596 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion: 43 Resp: 10042
Ion Ratio Lower Upper
43 100
58 28.1 21.9 32.9

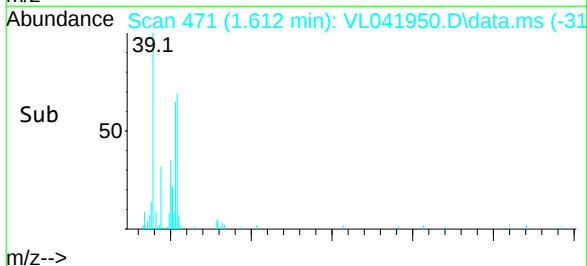
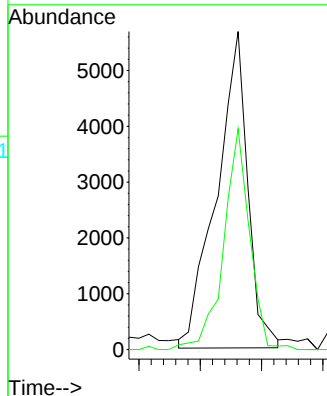
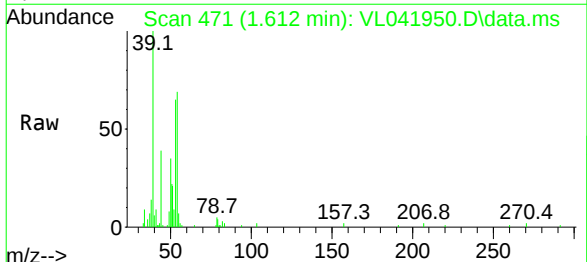
Manual Integrations
APPROVED

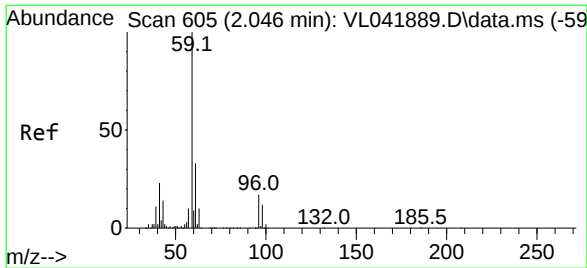
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#16
1,3-Butadiene
Concen: 0.529 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 39 Resp: 4003
Ion Ratio Lower Upper
39 100
54 58.4 61.6 92.4#





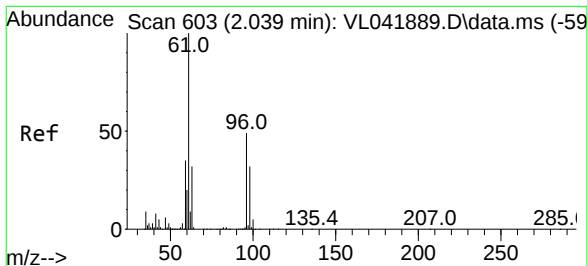
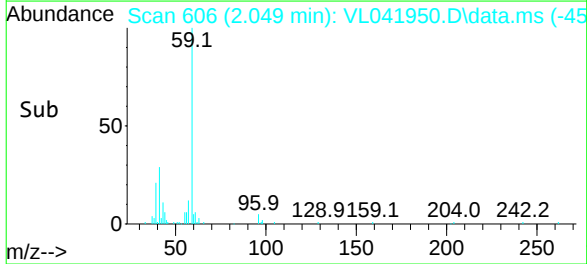
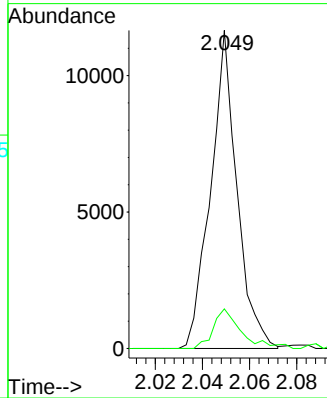
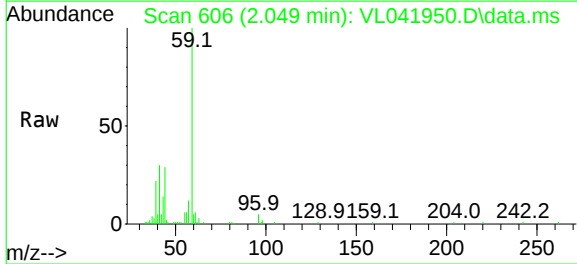
#17
tert-Butyl alcohol
Concen: 0.435 ppbv
RT: 2.049 min Scan# 605
Delta R.T. 0.004 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion: 59 Resp: 9035
Ion Ratio Lower Upper
59 100
57 13.2 7.8 11.8#

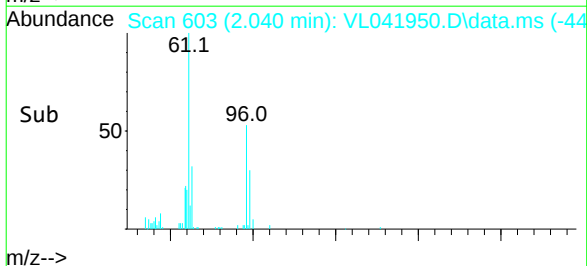
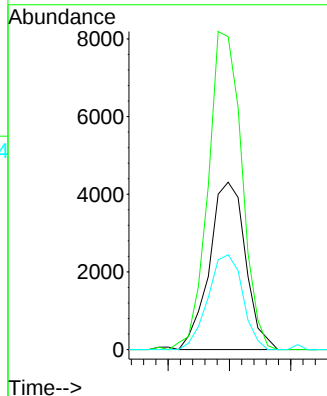
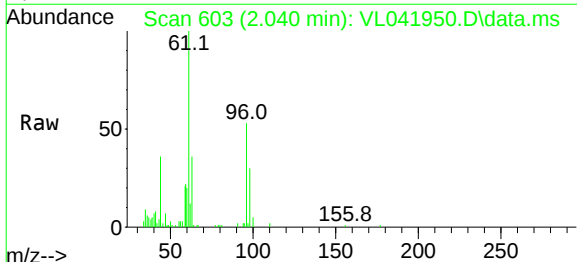
Manual Integrations
APPROVED

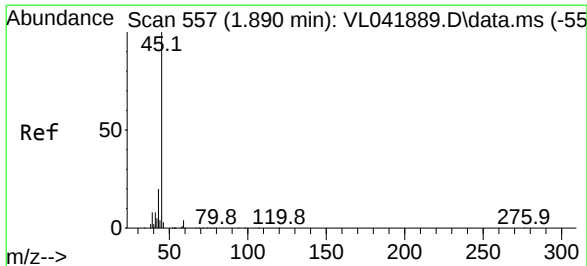
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#18
1,1-Dichloroethene
Concen: 0.502 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

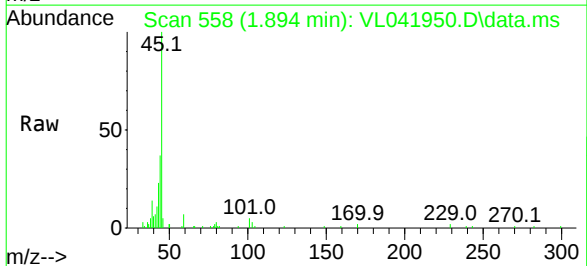
Tgt Ion: 96 Resp: 3524
Ion Ratio Lower Upper
96 100
61 186.9 163.1 244.7
98 56.6 52.7 79.1





#19
Isopropyl Alcohol
Concen: 0.581 ppbv
RT: 1.894 min Scan# 557
Delta R.T. 0.004 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

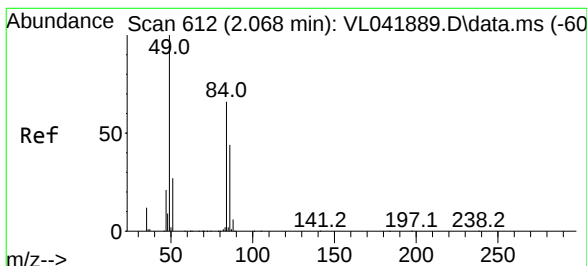
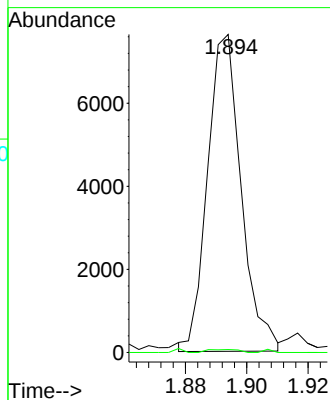
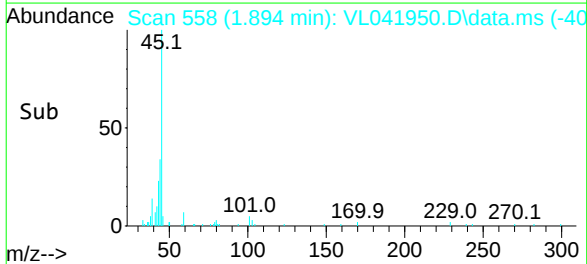
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



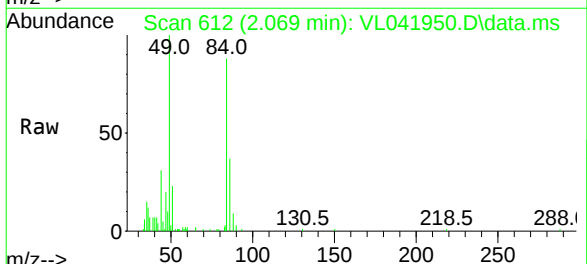
Tgt Ion: 45 Resp: 5810
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#

Manual Integrations
APPROVED

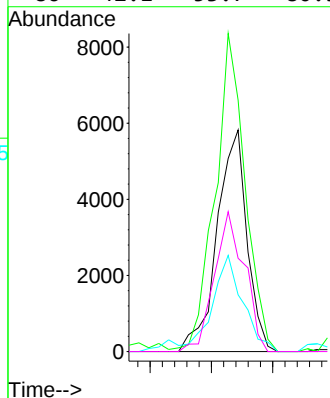
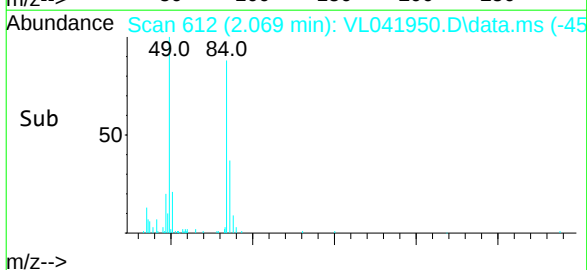
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

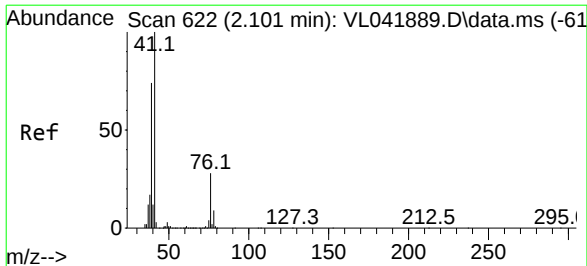


#20
Methylene Chloride
Concen: 0.593 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06



Tgt Ion: 84 Resp: 3952
Ion Ratio Lower Upper
84 100
49 111.8 123.1 184.7#
51 25.6 35.8 53.8#
86 42.1 53.7 80.5#





#21

Allyl Chloride

Concen: 0.439 ppbv

RT: 2.101 min Scan# 622

Delta R.T. 0.000 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

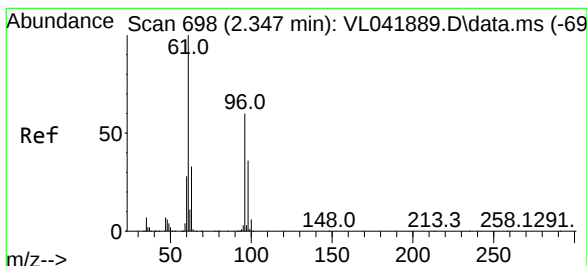
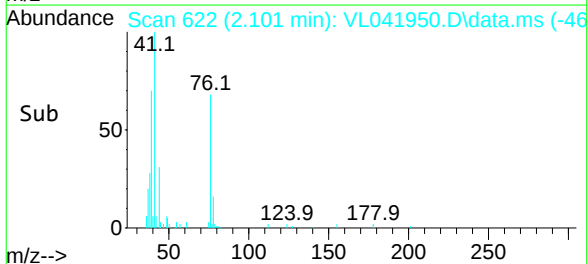
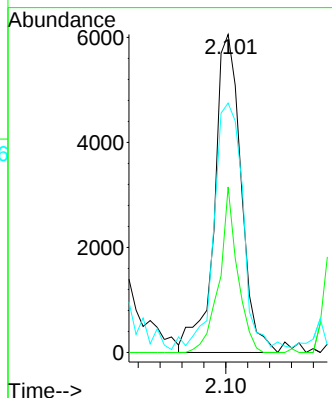
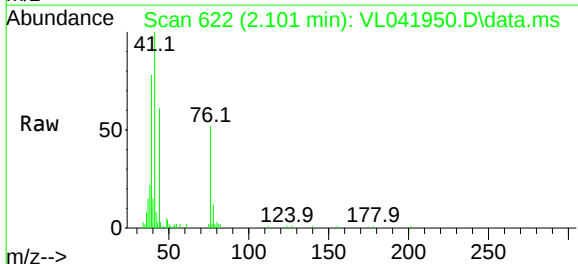
ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

Tgt Ion:	41	Resp:	5127
Ion	Ratio	Lower	Upper
41	100		
76	35.4	24.2	36.4
39	88.4	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: 0.502 ppbv m

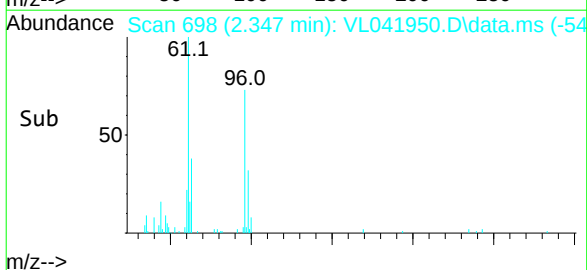
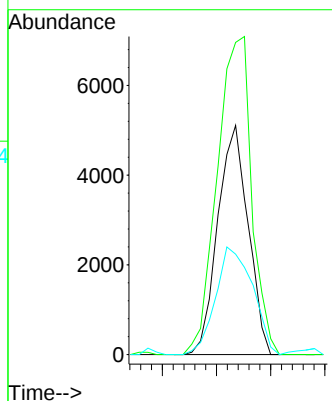
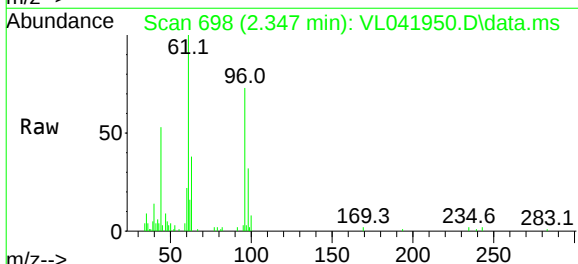
RT: 2.347 min Scan# 698

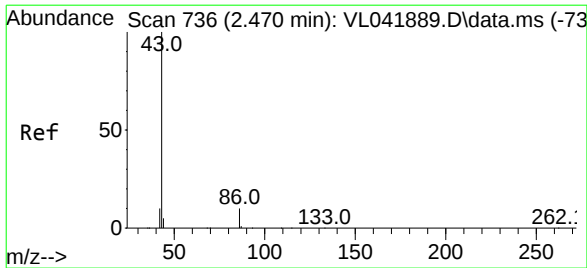
Delta R.T. 0.000 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

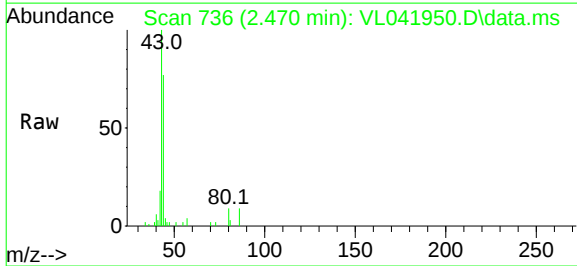
Tgt Ion:	96	Resp:	3981
Ion	Ratio	Lower	Upper
96	100		
61	136.2	134.5	201.7
98	43.8	48.9	73.3#





#23
 Vinyl Acetate
 Concen: 0.449 ppbv m
 RT: 2.470 min Scan# 736
 Delta R.T. 0.000 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

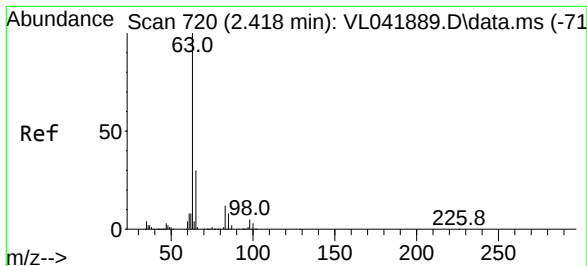
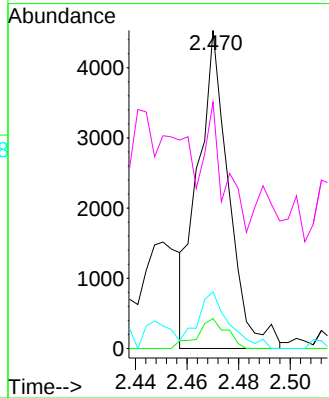
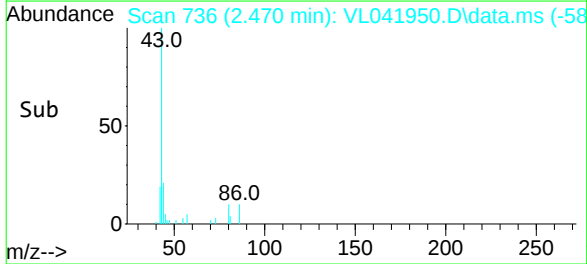
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



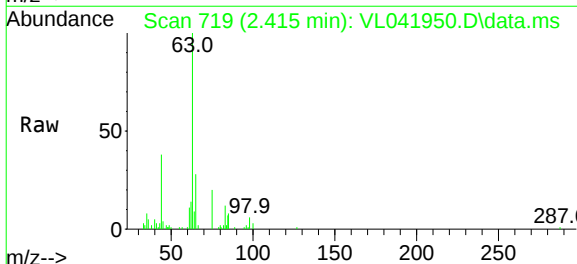
Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.4	6.2	9.4#
42	17.8	8.5	12.7#
44	77.5	4.8	7.2#

Manual Integrations
 APPROVED

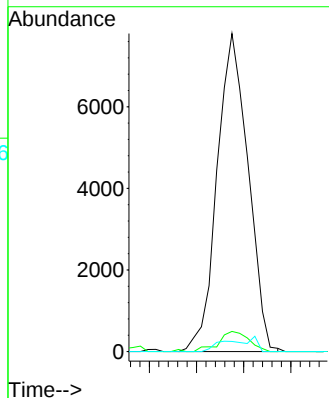
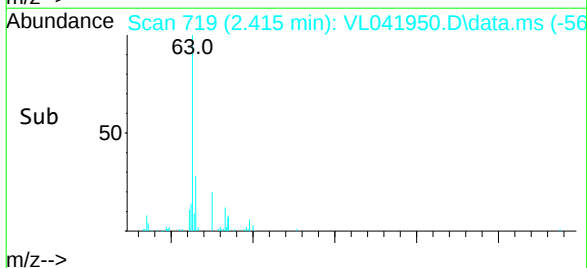
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

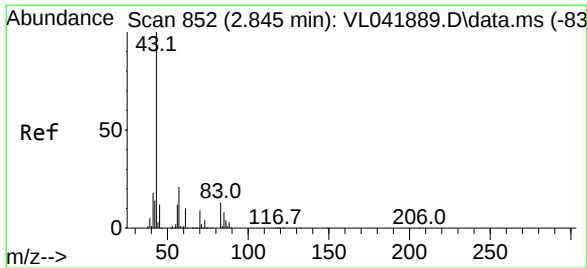


#24
 1,1-Dichloroethane
 Concen: 0.465 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06



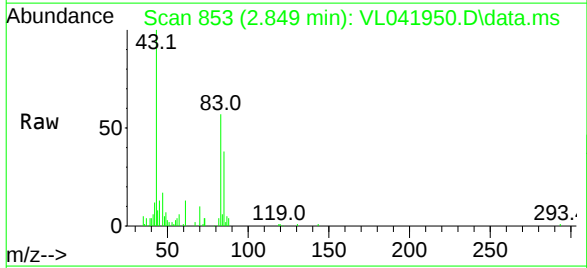
Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.6	7.8
100	3.2	1.4	4.2





#25
Ethyl Acetate
Concen: 0.397 ppbv
RT: 2.849 min Scan# 85
Delta R.T. 0.004 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

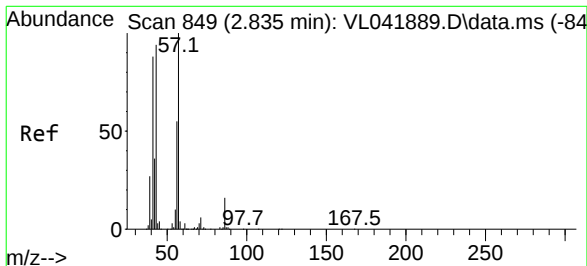
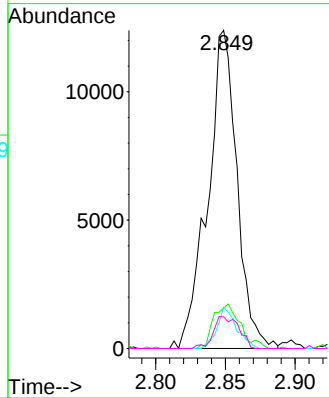
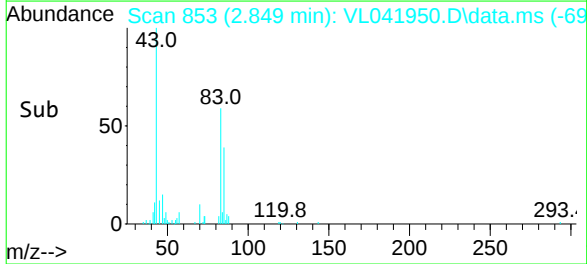
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 43 Resp: 18056
Ion Ratio Lower Upper
43 100
45 12.8 8.2 12.2#
61 8.7 7.4 11.0
70 8.8 7.0 10.4

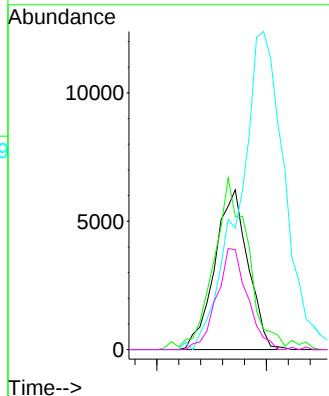
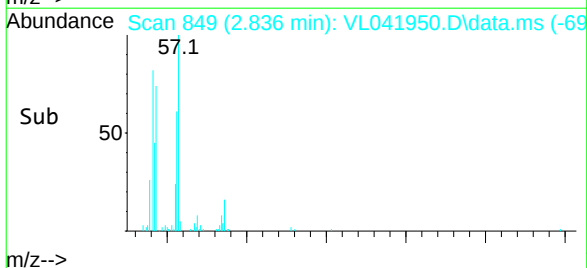
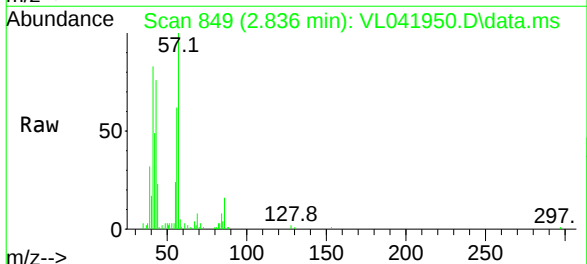
Manual Integrations
APPROVED

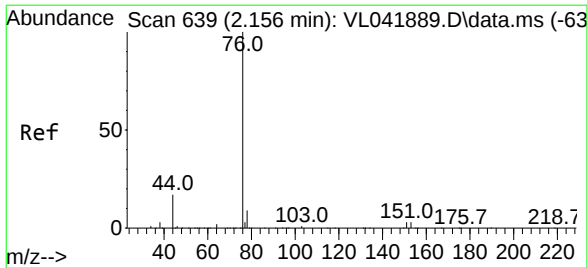
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#26
Hexane
Concen: 0.365 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

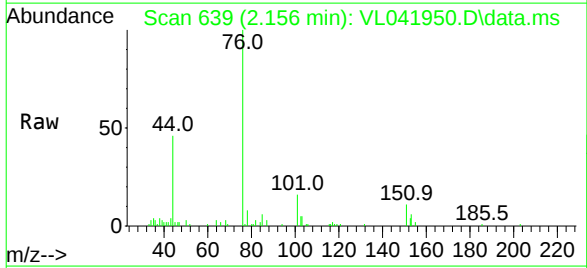
Tgt Ion: 57 Resp: 6572
Ion Ratio Lower Upper
57 100
41 115.1 73.8 110.8#
43 279.1 197.3 295.9
56 58.5 42.7 64.1





#27
Carbon Disulfide
Concen: 0.439 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

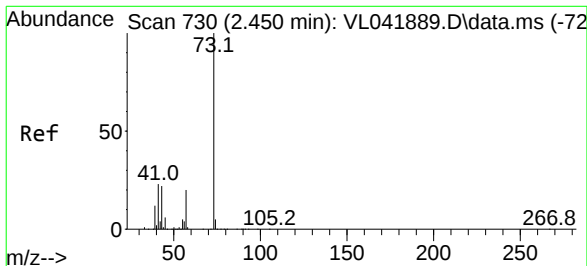
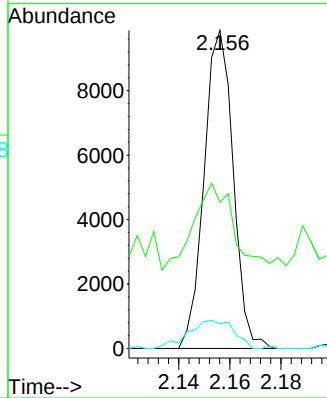
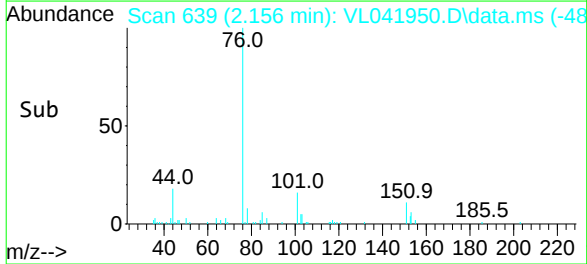
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 76 Resp: 7805
Ion Ratio Lower Upper
76 100
44 76.0 15.4 23.0#
78 14.0 9.3 13.9#

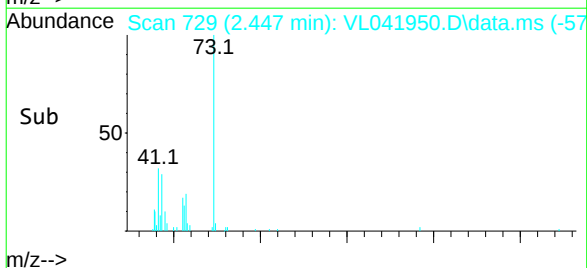
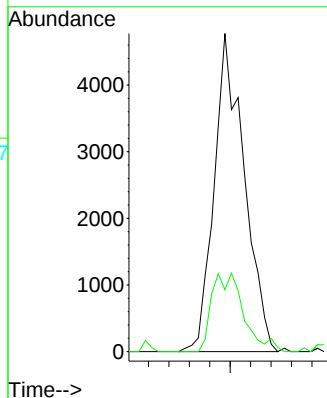
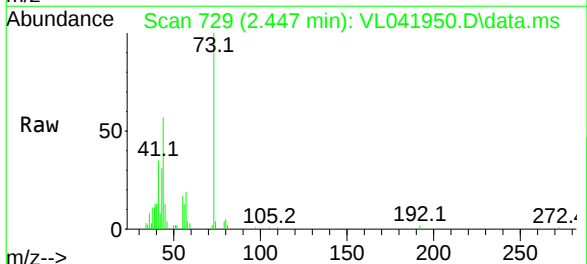
Manual Integrations
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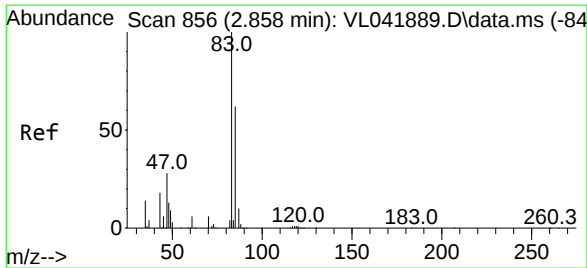
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#28
Methyl tert-Butyl Ether
Concen: 0.354 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 73 Resp: 4868
Ion Ratio Lower Upper
73 100
57 26.1 18.1 27.1





#29

Chloroform

Concen: 0.489 ppbv

RT: 2.855 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

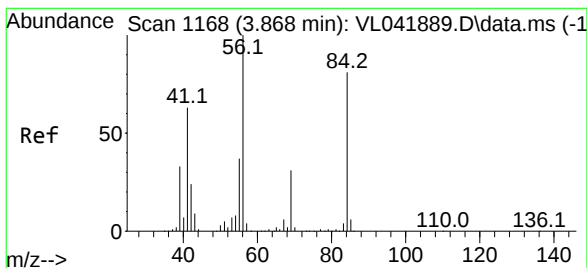
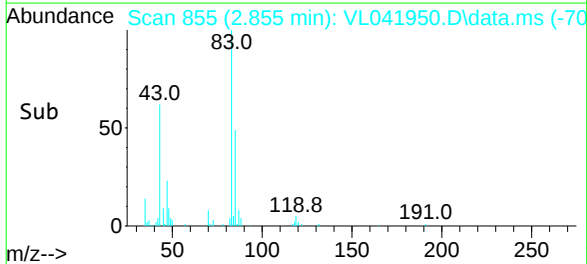
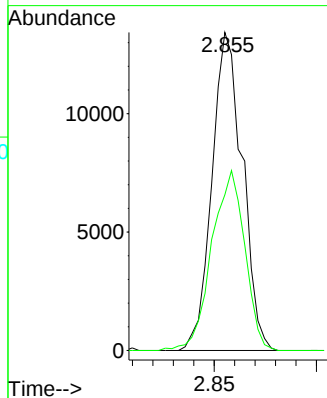
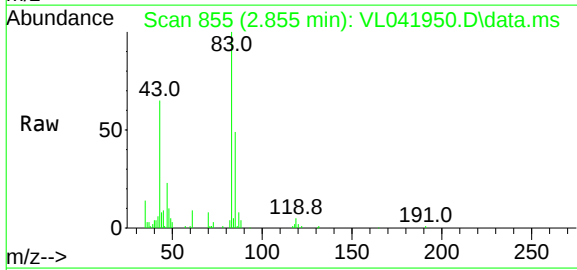
ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.0	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: 0.345 ppbv m

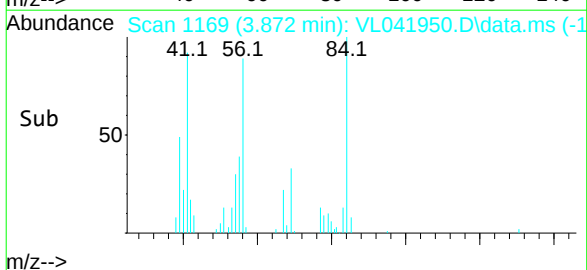
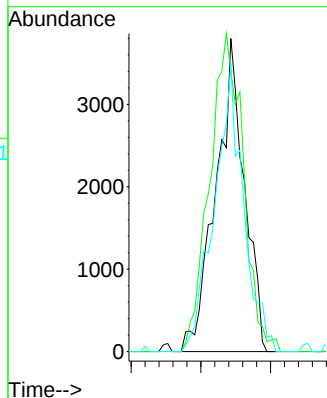
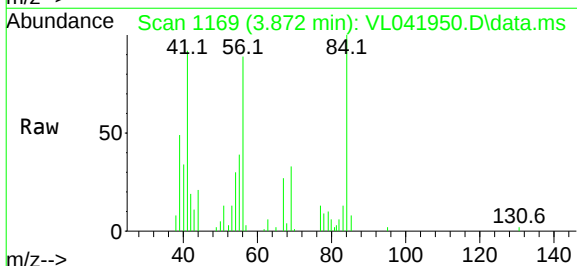
RT: 3.872 min Scan# 1169

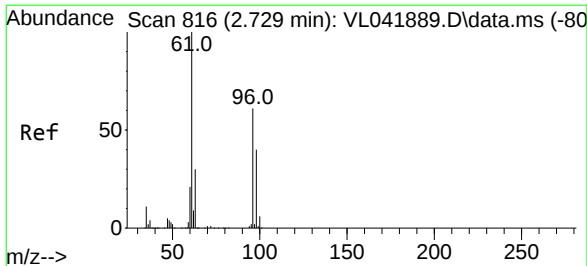
Delta R.T. 0.004 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

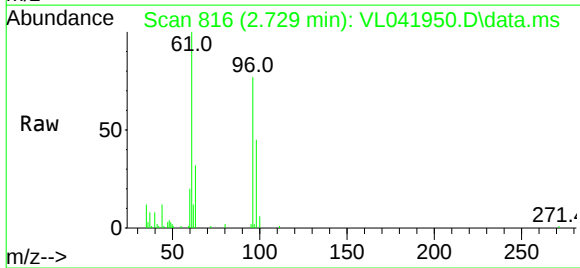
Tgt Ion	Ratio	Lower	Upper
84	100		
56	119.9	99.3	148.9
41	93.5	64.3	96.5





#31
 cis-1,2-Dichloroethene
 Concen: 0.383 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

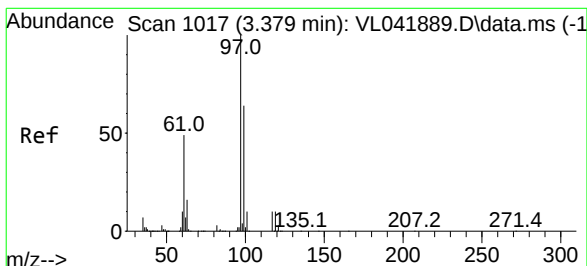
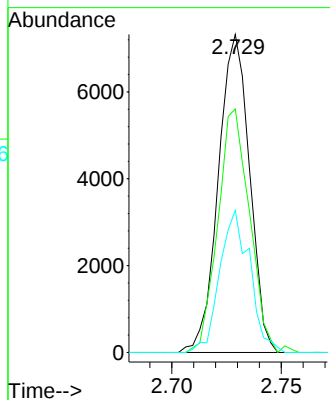
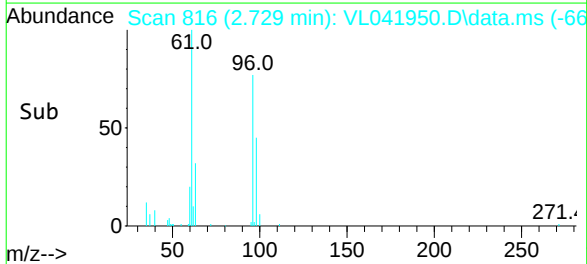
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 61 Resp: 7261
 Ion Ratio Lower Upper
 61 100
 96 76.6 48.7 73.1#
 98 44.7 31.6 47.4

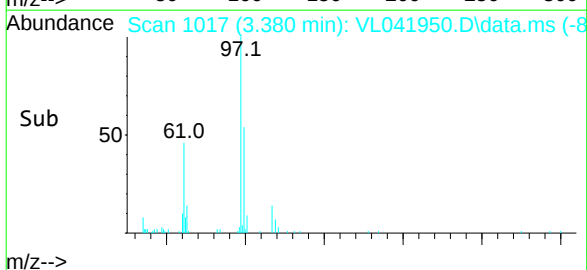
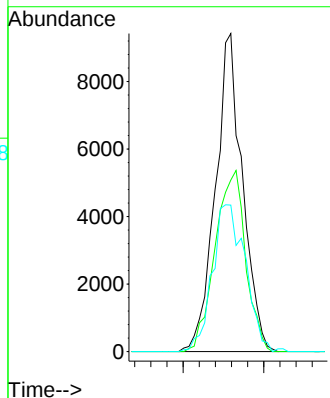
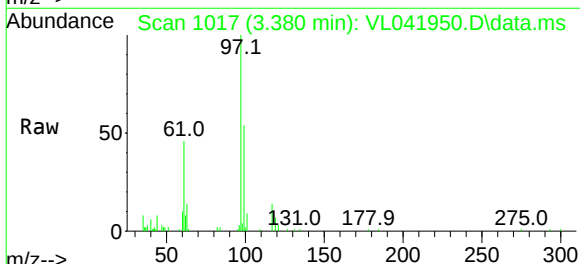
Manual Integrations
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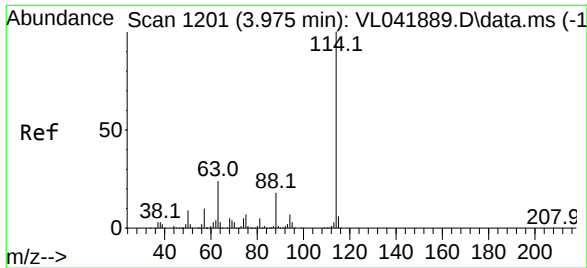
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.403 ppbv
 RT: 3.380 min Scan# 1017
 Delta R.T. 0.000 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

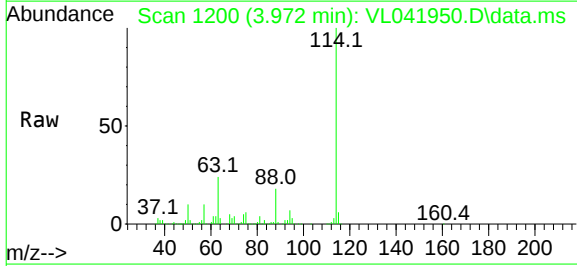
Tgt Ion: 97 Resp: 10968
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.1 76.7
 61 56.4 39.0 58.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

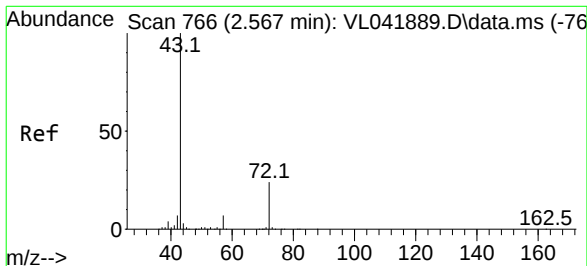
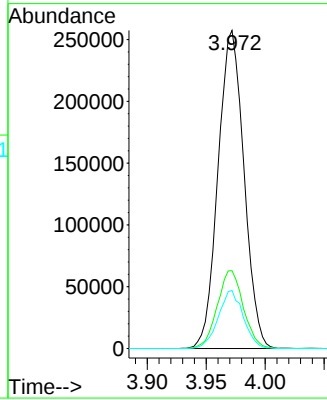
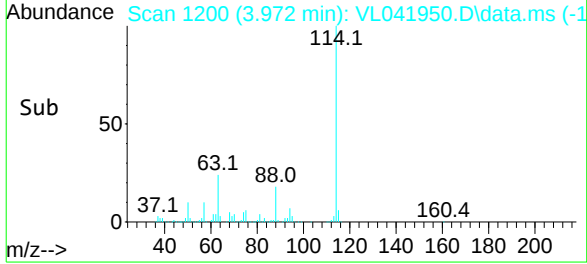
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 114 Resp: 393689
Ion Ratio Lower Upper
114 100
63 24.6 19.8 29.6
88 17.5 14.4 21.6

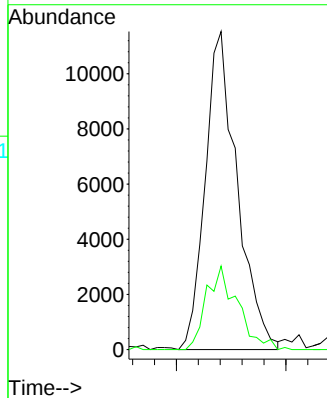
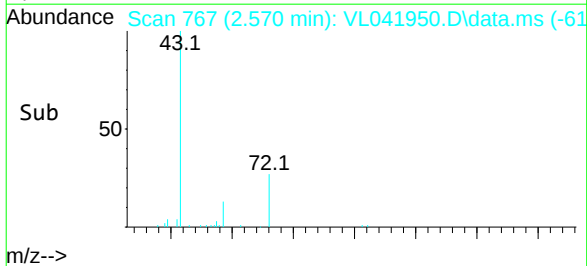
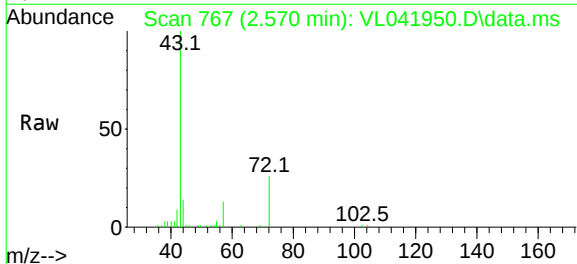
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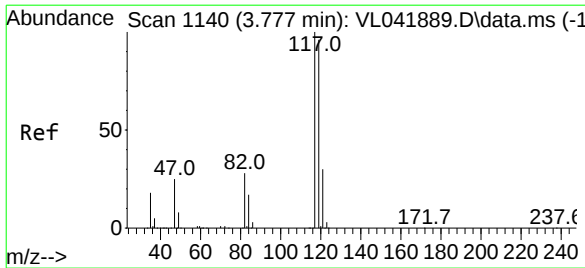
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#34
2-Butanone
Concen: 0.467 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.004 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 43 Resp: 11680
Ion Ratio Lower Upper
43 100
72 25.7 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.446 ppbv

RT: 3.778 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041950.D

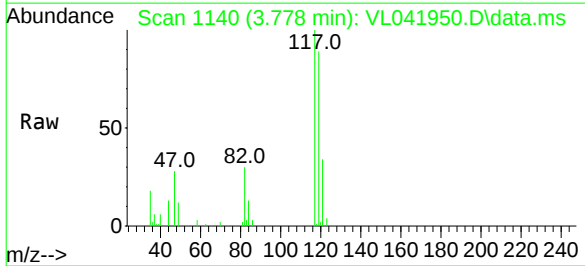
Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

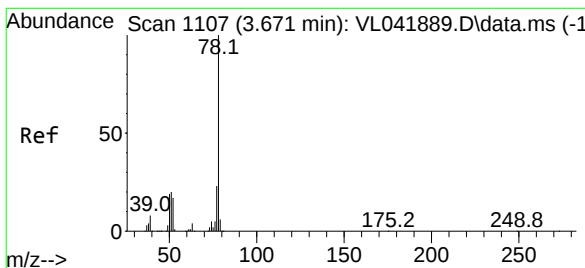
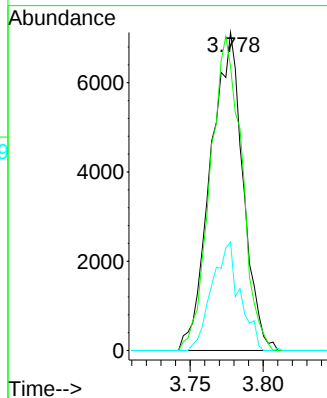
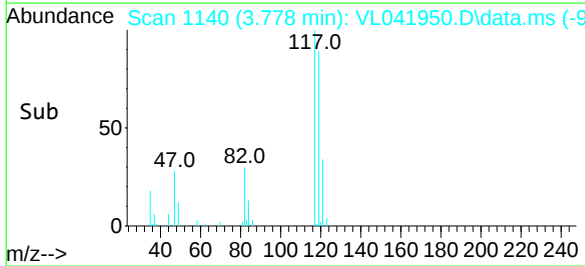
LOD-MDL-AIR-01-QT1-2025



Tgt Ion:	117	Resp:	11019
Ion	Ratio	Lower	Upper
117	100		
119	89.3	76.9	115.3
121	34.1	23.8	35.6

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



#36

Benzene

Concen: 0.439 ppbv

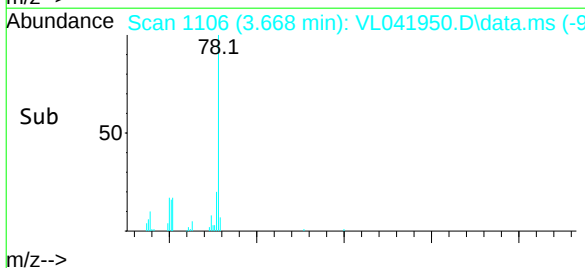
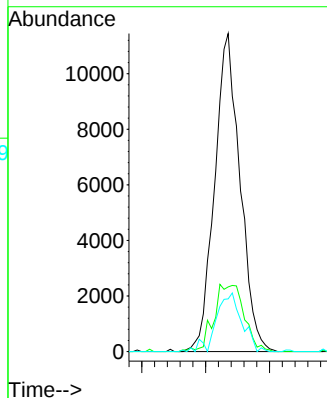
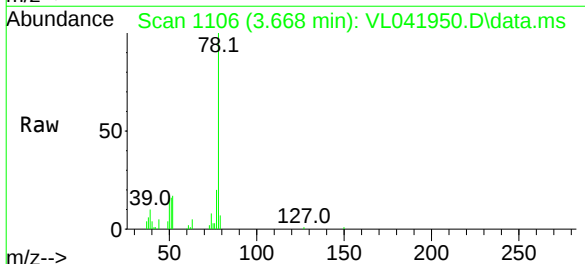
RT: 3.668 min Scan# 1106

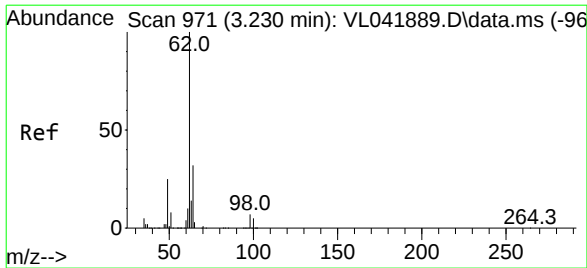
Delta R.T. -0.003 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

Tgt Ion:	78	Resp:	15852
Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.1	27.1
50	16.6	15.2	22.8





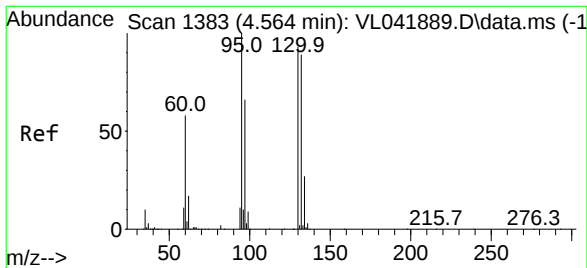
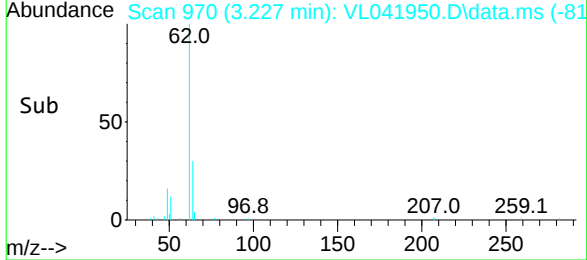
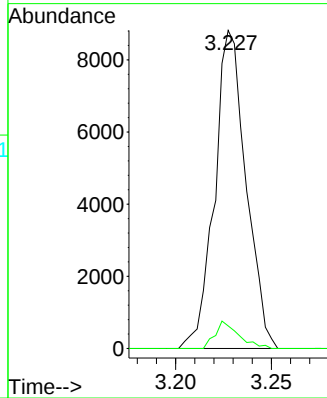
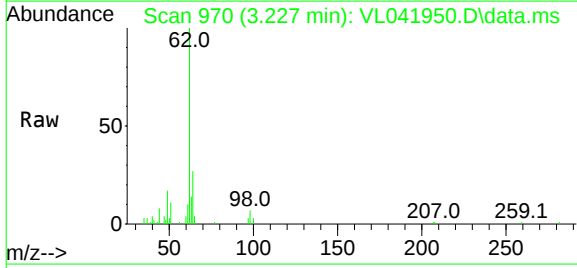
#37
1,2-Dichloroethane
Concen: 0.496 ppbv
RT: 3.227 min Scan# 971
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion: 62 Resp: 10062
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.0

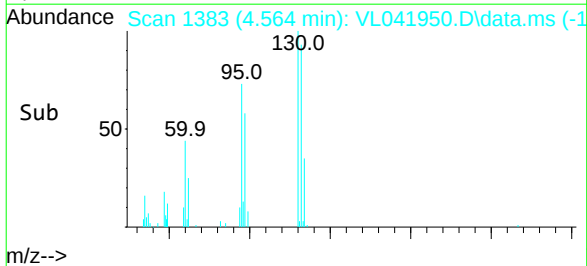
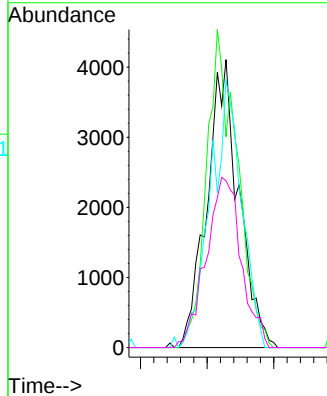
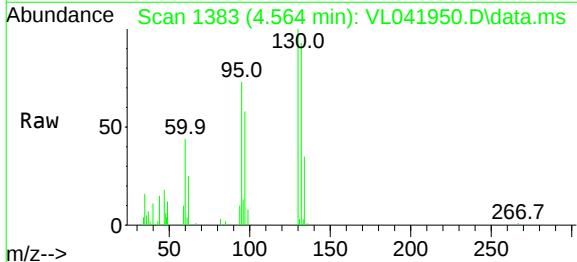
Manual Integrations
APPROVED

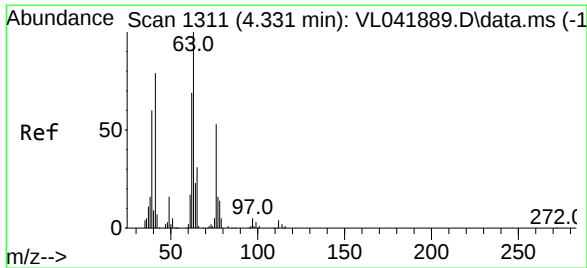
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#38
Trichloroethene
Concen: 0.476 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

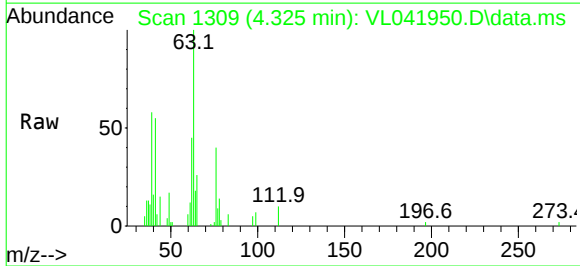
Tgt Ion:130 Resp: 6821
Ion Ratio Lower Upper
130 100
95 73.2 85.8 128.8#
132 92.7 76.5 114.7
97 57.9 56.8 85.2





#39
1,2-Dichloropropane
Concen: 0.487 ppbv
RT: 4.325 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

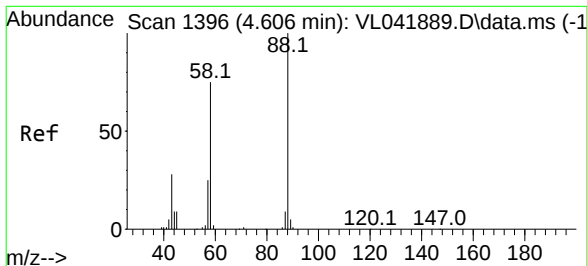
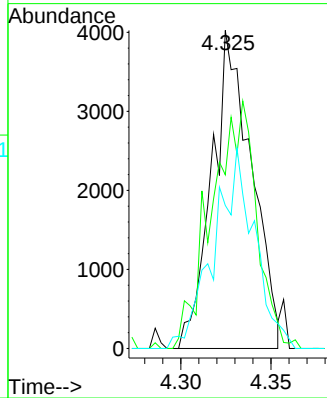
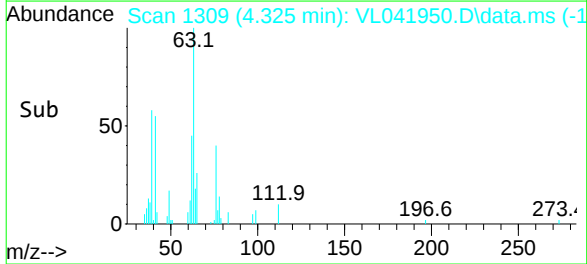
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



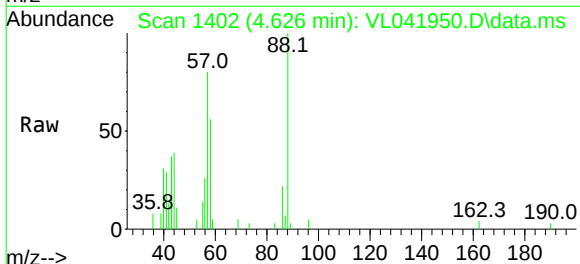
Tgt Ion: 63 Resp: 6174
Ion Ratio Lower Upper
63 100
41 51.4 63.7 95.5#
62 41.2 55.4 83.2#

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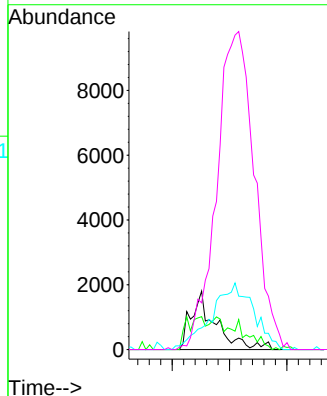
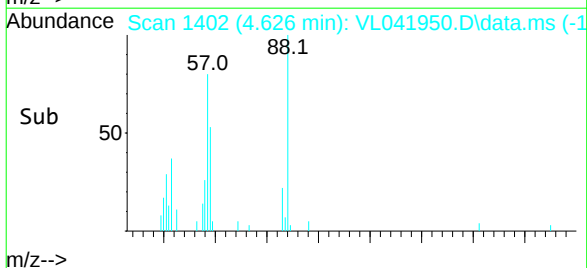
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

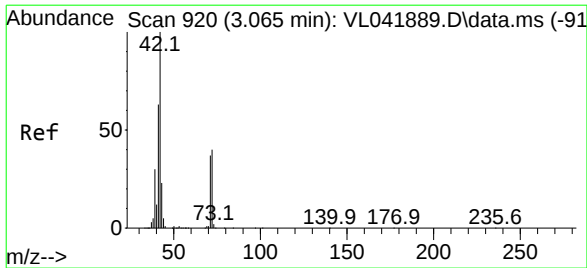


#40
1,4-Dioxane
Concen: 0.422 ppbv m
RT: 4.626 min Scan# 1402
Delta R.T. 0.020 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06



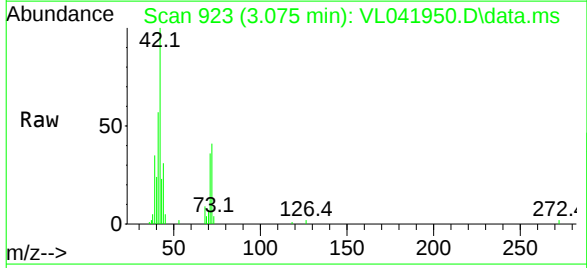
Tgt Ion: 88 Resp: 2697
Ion Ratio Lower Upper
88 100
58 0.0 62.1 93.1#
43 0.0 0.0 0.0
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.411 ppbv m
RT: 3.075 min Scan# 92
Delta R.T. 0.010 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

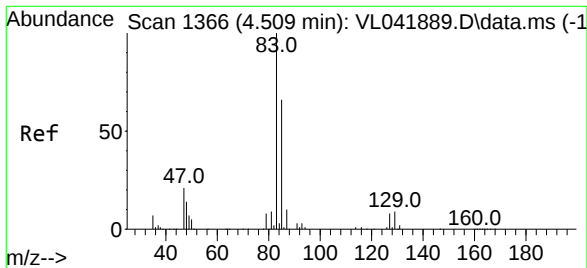
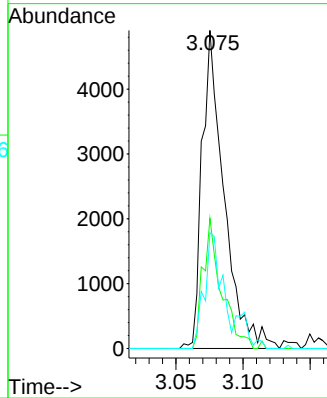
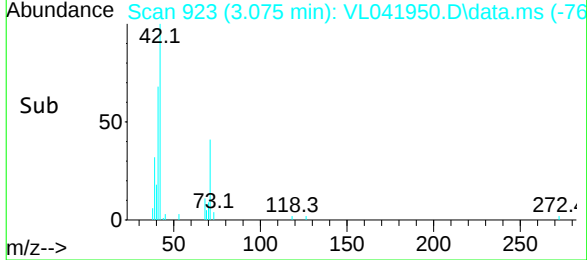
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 42 Resp: 5588
Ion Ratio Lower Upper
42 100
72 34.8 32.3 48.5
71 35.9 29.9 44.9

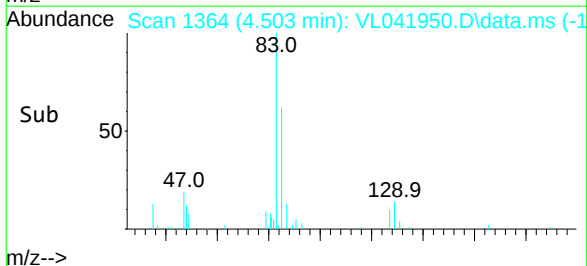
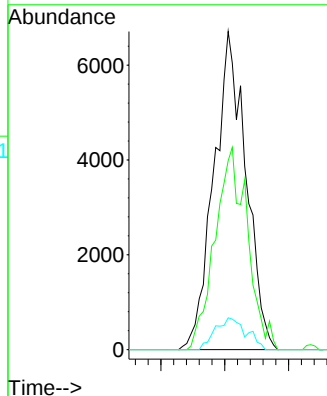
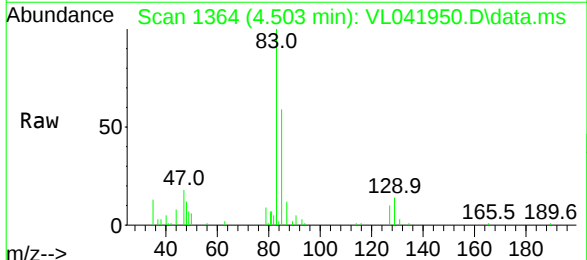
Manual Integrations
APPROVED

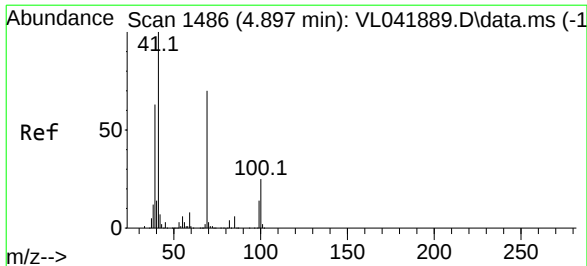
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#42
Bromodichloromethane
Concen: 0.430 ppbv
RT: 4.503 min Scan# 1364
Delta R.T. -0.006 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 83 Resp: 11701
Ion Ratio Lower Upper
83 100
85 59.4 52.6 78.8
127 10.0 6.4 9.6#





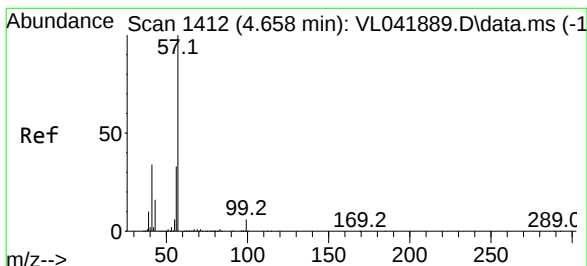
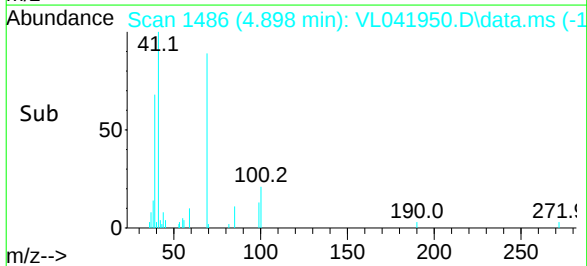
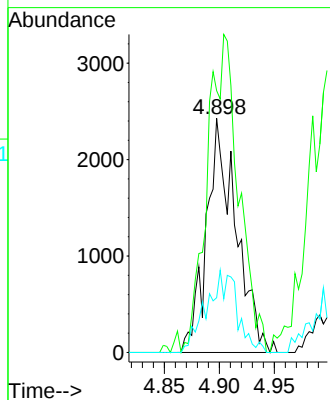
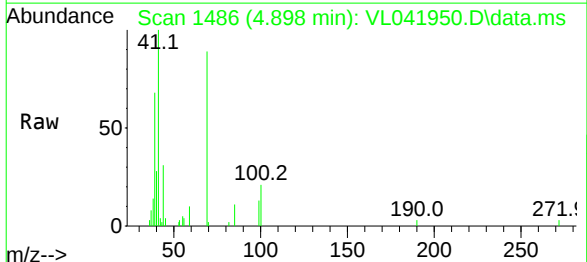
#43
Methyl Methacrylate
Concen: 0.337 ppbv m
RT: 4.898 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion: 69 Resp: 4518
Ion Ratio Lower Upper
69 100
41 147.5 118.6 177.8
100 36.6 29.3 43.9

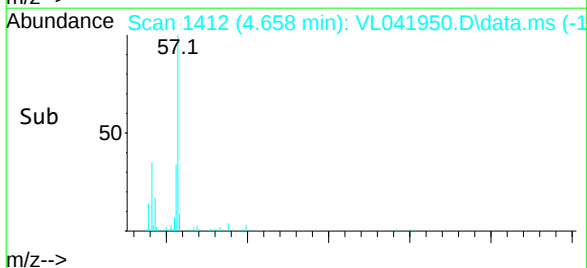
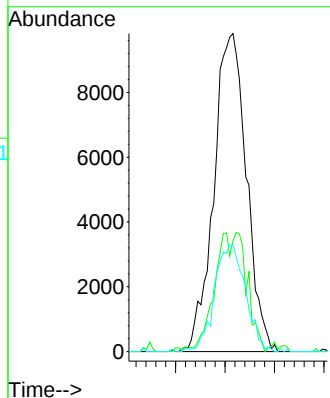
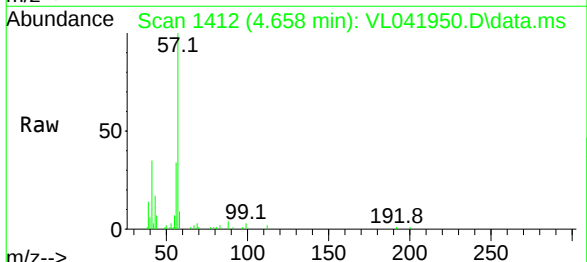
Manual Integrations
APPROVED

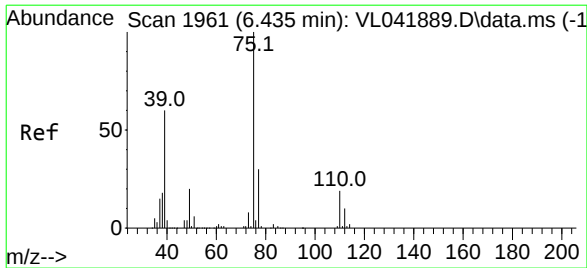
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#44
2,2,4-Trimethylpentane
Concen: 0.385 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

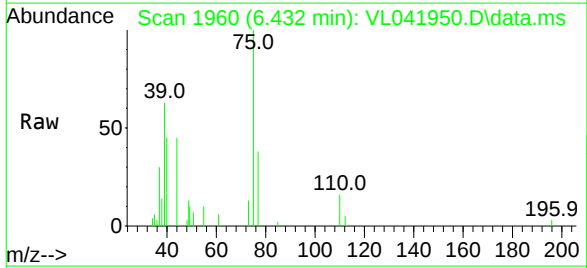
Tgt Ion: 57 Resp: 22463
Ion Ratio Lower Upper
57 100
41 38.3 26.6 40.0
56 32.2 25.4 38.2





#45
 t-1,3-Dichloropropene
 Concen: 0.325 ppbv m
 RT: 6.432 min Scan# 1961
 Delta R.T. -0.003 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

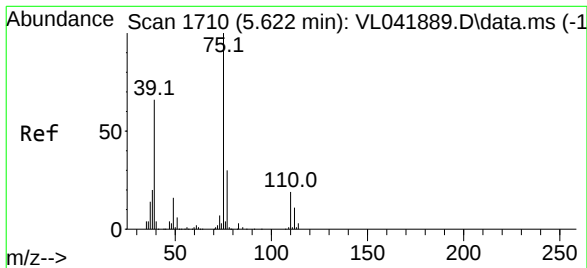
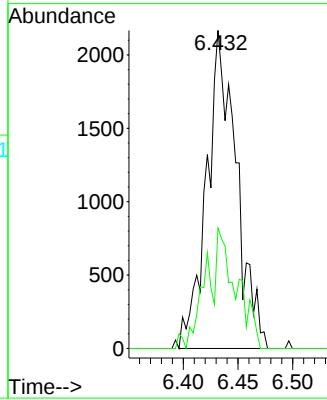
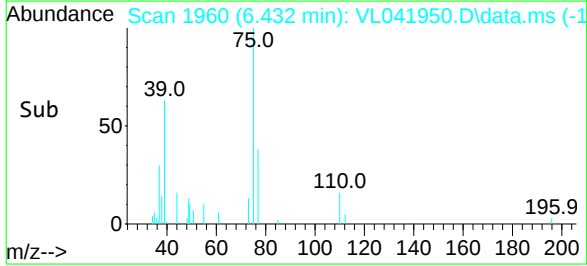
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 75 Resp: 4086
 Ion Ratio Lower Upper
 75 100
 77 37.8 24.3 36.5#

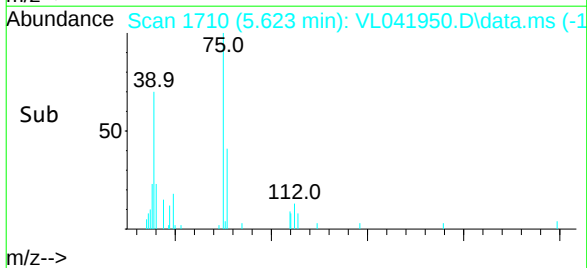
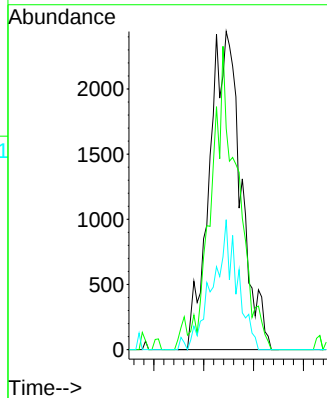
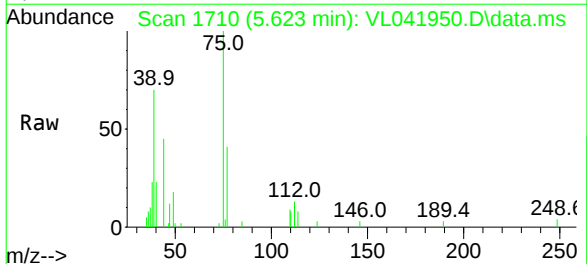
Manual Integrations
 APPROVED

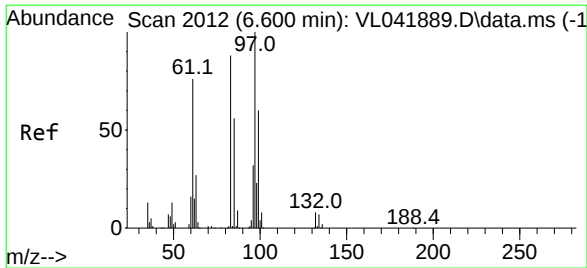
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.327 ppbv m
 RT: 5.623 min Scan# 1710
 Delta R.T. 0.000 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

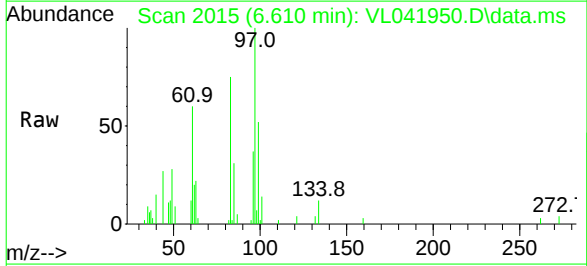
Tgt Ion: 75 Resp: 5394
 Ion Ratio Lower Upper
 75 100
 39 69.6 53.1 79.7
 77 40.8 23.8 35.8#





#47
1,1,2-Trichloroethane
Concen: 0.498 ppbv m
RT: 6.610 min Scan# 2012
Delta R.T. 0.010 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

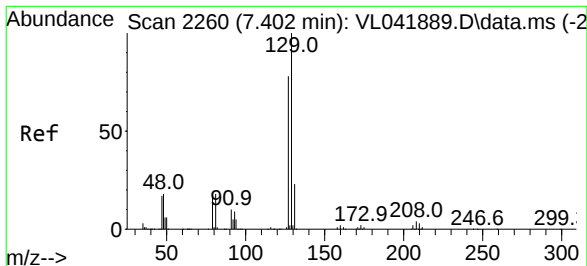
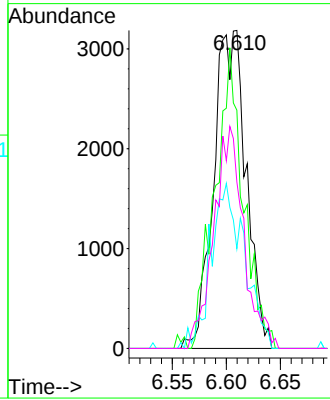
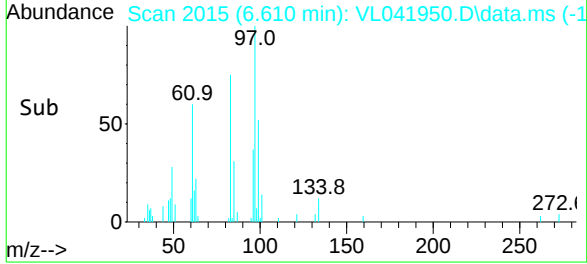
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 97 Resp: 6681
Ion Ratio Lower Upper
97 100
83 74.9 70.4 105.6
85 31.4 45.0 67.4#
99 52.4 48.1 72.1

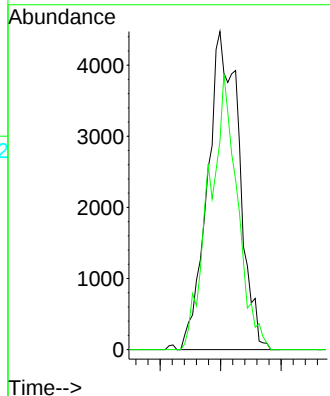
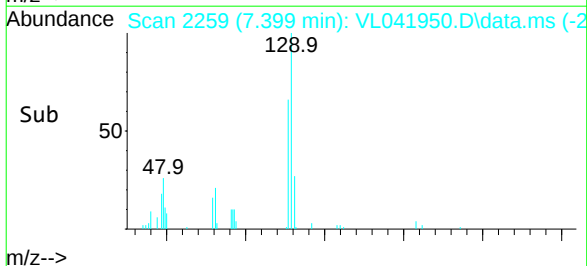
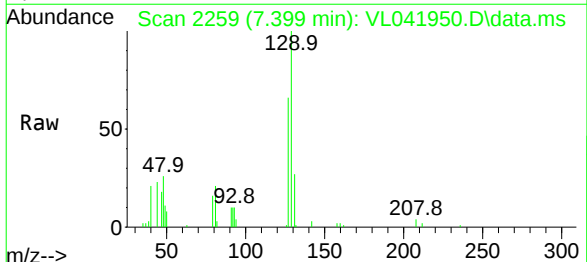
Manual Integrations
APPROVED

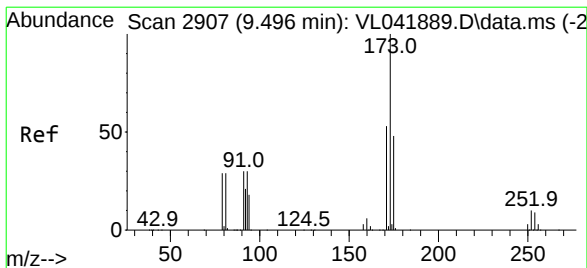
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#48
Dibromochloromethane
Concen: 0.393 ppbv m
RT: 7.399 min Scan# 2259
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion:129 Resp: 8140
Ion Ratio Lower Upper
129 100
127 78.0 39.3 117.8





#49

Bromoform

Concen: 0.346 ppbv m

RT: 9.497 min Scan# 2907

Delta R.T. 0.000 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

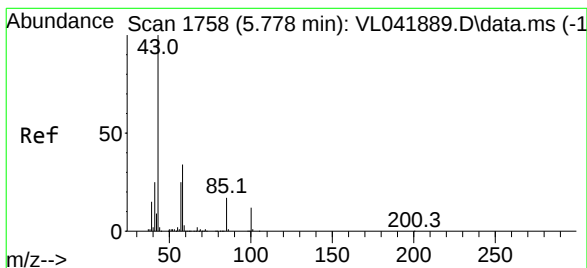
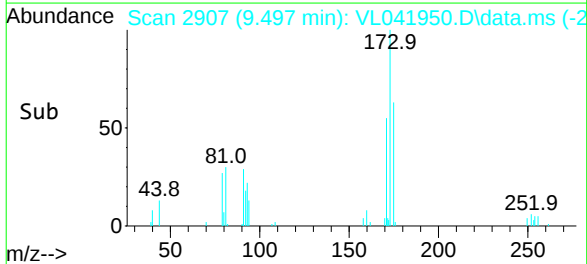
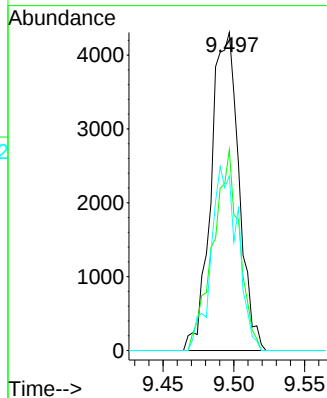
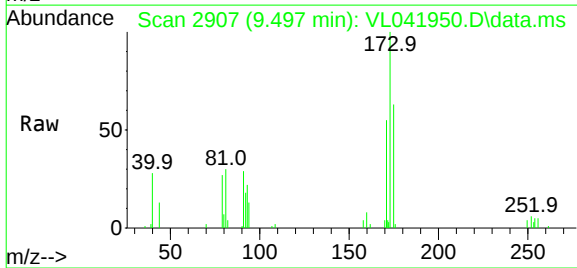
LOD-MDL-AIR-01-QT1-2025

Tgt Ion:	173	Resp:	5887
Ion Ratio	Lower	Upper	
173	100		
175	59.2	38.4	57.6#
171	56.3	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: 0.350 ppbv m

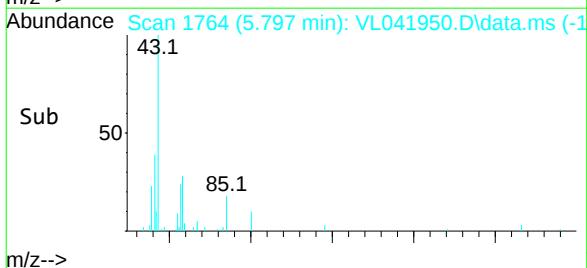
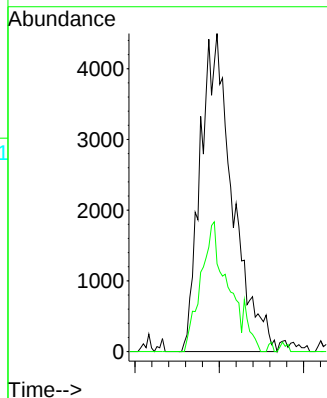
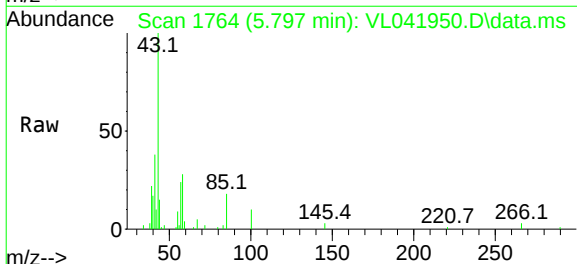
RT: 5.797 min Scan# 1764

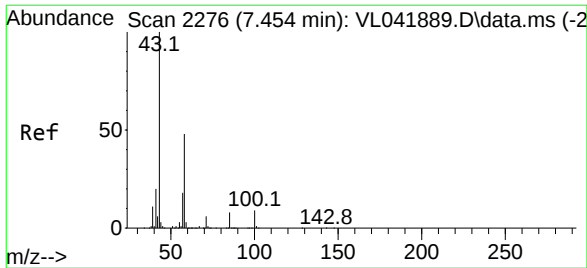
Delta R.T. 0.020 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

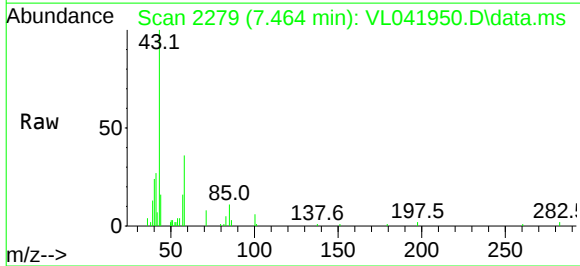
Tgt Ion:	43	Resp:	11950
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.0	43.6#





#51
2-Hexanone
Concen: 0.314 ppbv
RT: 7.464 min Scan# 2276
Delta R.T. 0.010 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

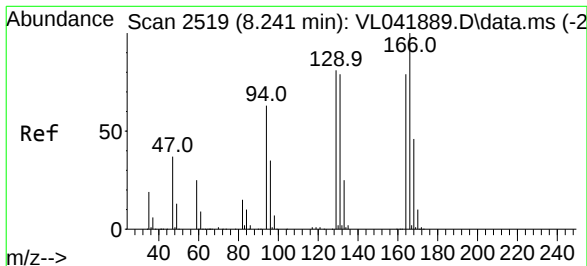
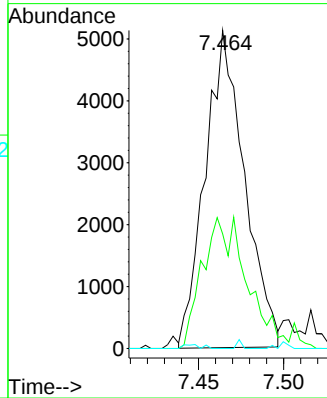
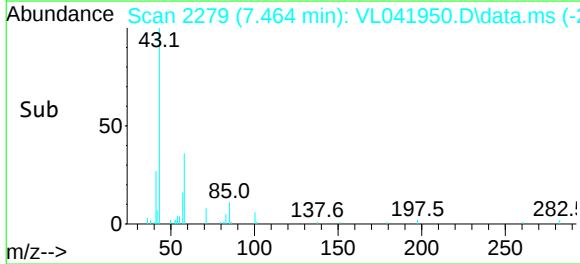
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 43 Resp: 8250
Ion Ratio Lower Upper
43 100
58 48.2 40.4 60.6
98 1.4 0.2 0.2#

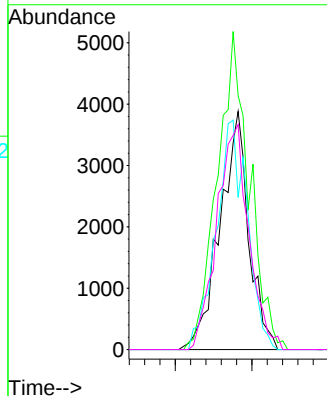
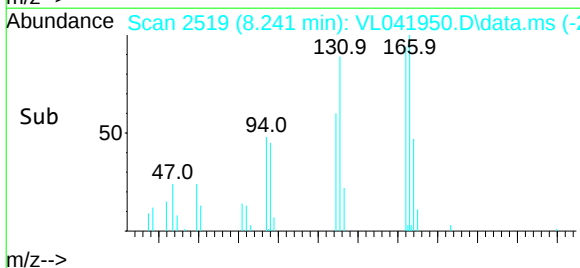
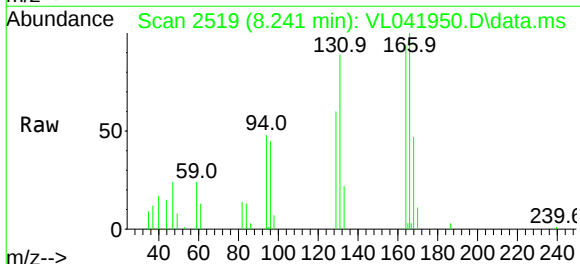
Manual Integrations
APPROVED

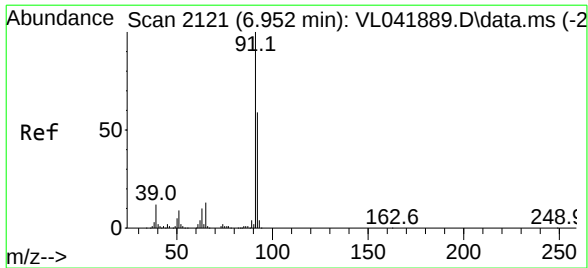
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#52
Tetrachloroethene
Concen: 0.405 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

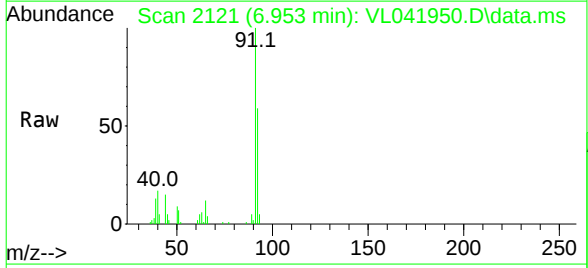
Tgt Ion:164 Resp: 5069
Ion Ratio Lower Upper
164 100
166 106.7 100.8 151.2
129 63.9 82.0 123.0#
131 94.5 80.2 120.2





#53
Toluene
Concen: 0.341 ppbv m
RT: 6.953 min Scan# 2121
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

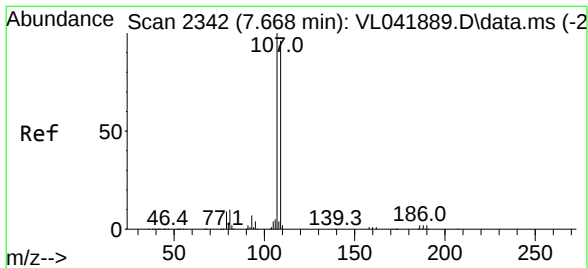
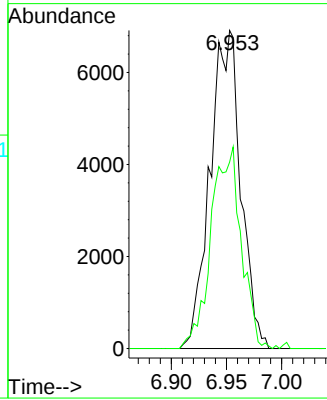
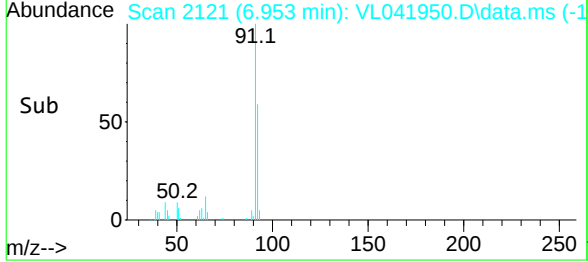
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



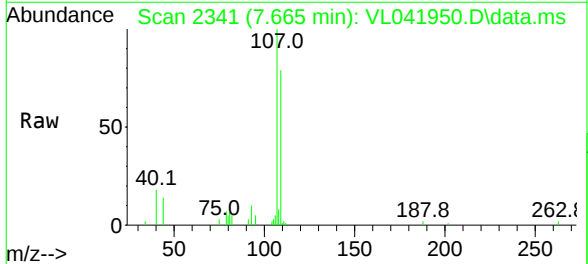
Tgt Ion: 91 Resp: 13400
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#

Manual Integrations
APPROVED

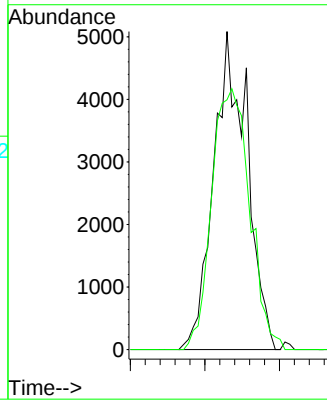
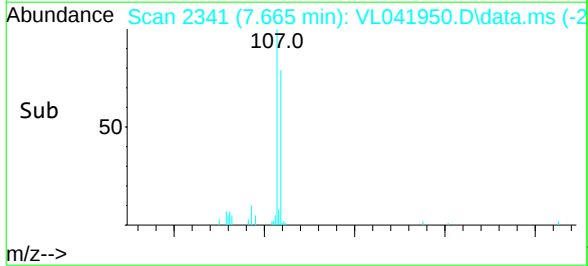
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

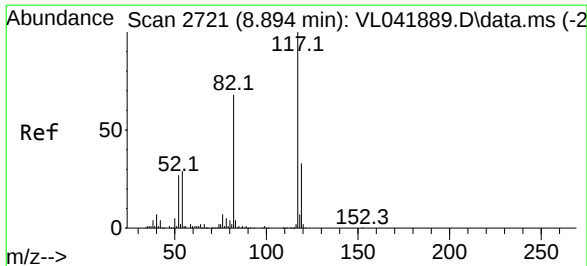


#54
1,2-Dibromoethane
Concen: 0.430 ppbv m
RT: 7.665 min Scan# 2341
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06



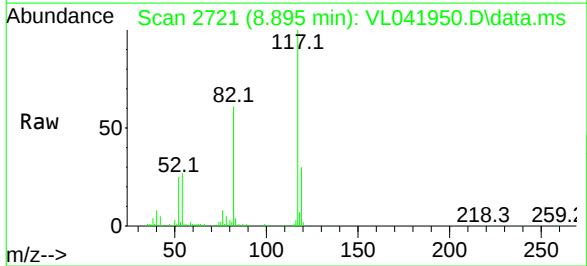
Tgt Ion:107 Resp: 7928
Ion Ratio Lower Upper
107 100
109 78.5 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

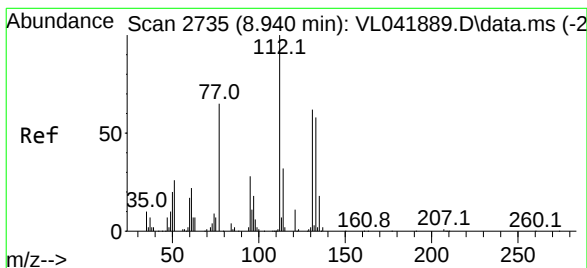
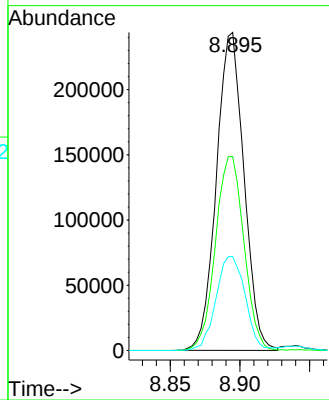
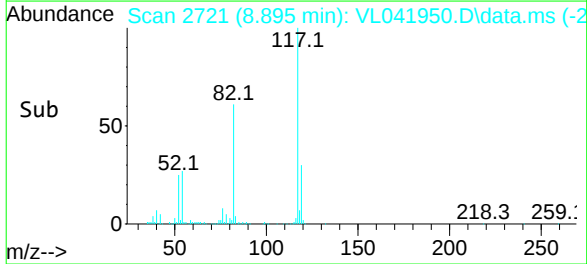
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion:117 Resp: 335291
Ion Ratio Lower Upper
117 100
82 63.3 54.2 81.4
119 32.7 25.0 37.6

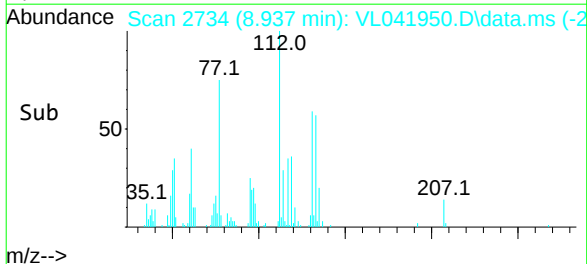
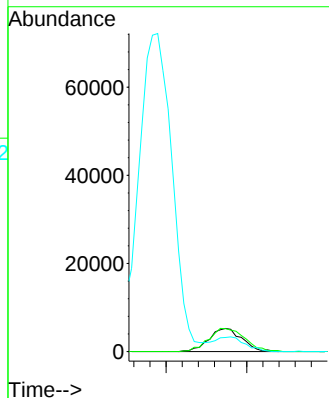
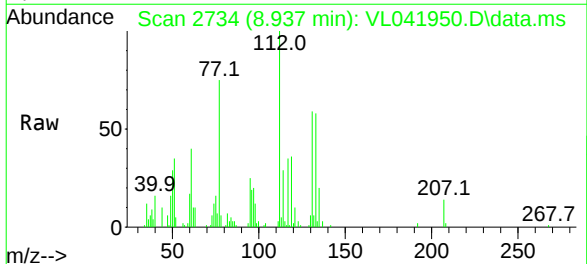
Manual Integrations
APPROVED

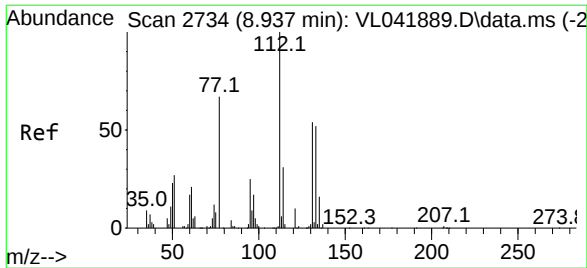
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.446 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

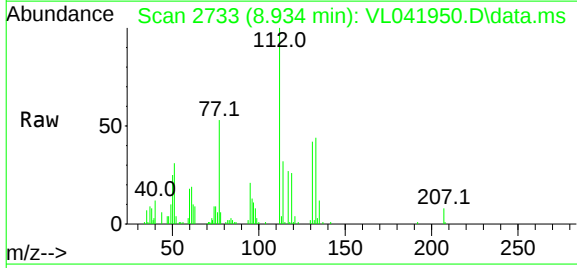
Tgt Ion:131 Resp: 7453
Ion Ratio Lower Upper
131 100
133 110.4 76.0 114.0
119 55.3 49.7 74.5





#57
Chlorobenzene
Concen: 0.476 ppbv
RT: 8.934 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

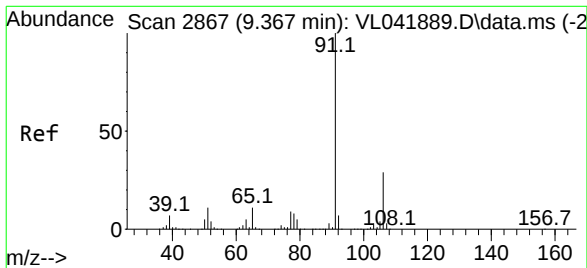
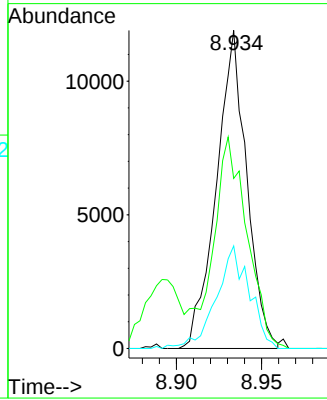
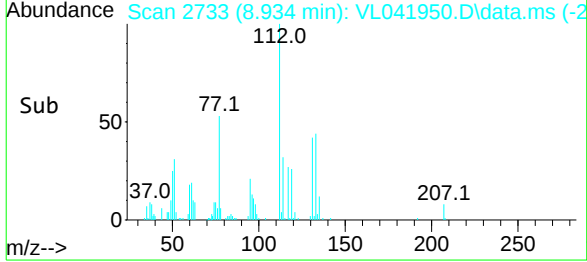
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 112 Resp: 14737
Ion Ratio Lower Upper
112 100
77 52.0 54.6 82.0#
114 31.2 28.2 34.4

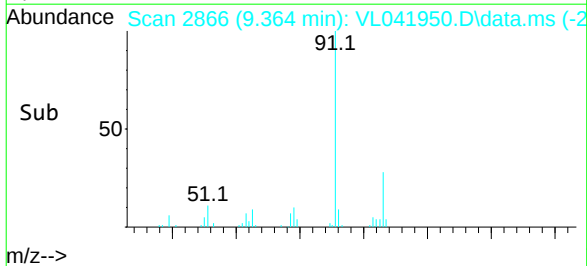
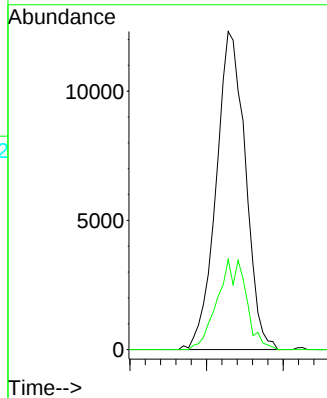
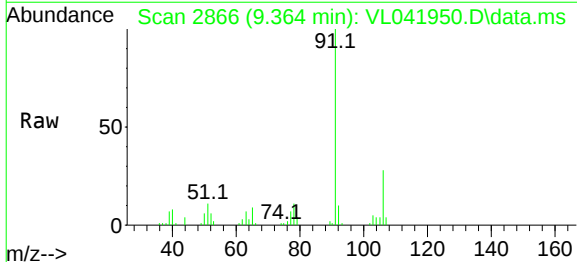
Manual Integrations
APPROVED

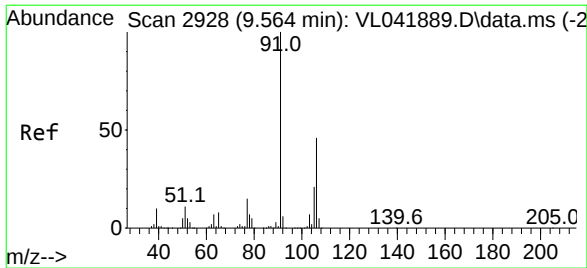
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#58
Ethyl Benzene
Concen: 0.312 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 91 Resp: 16332
Ion Ratio Lower Upper
91 100
106 28.3 23.1 34.7





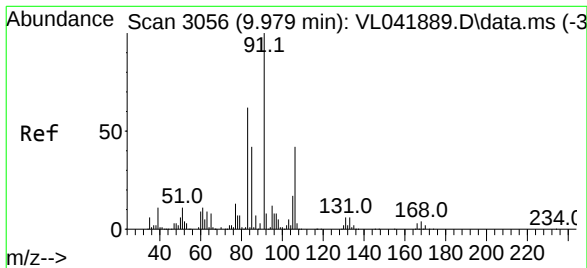
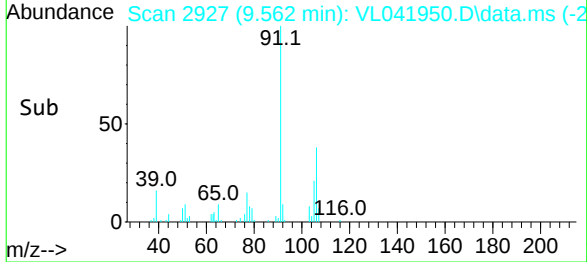
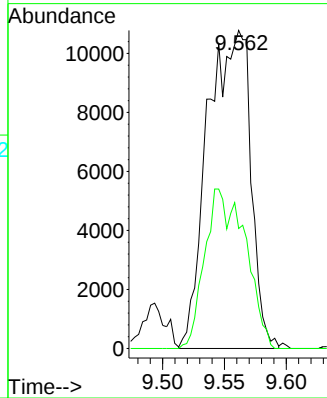
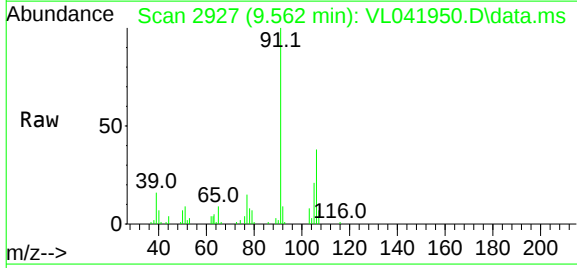
#59
m/p-Xylene
Concen: 0.622 ppbv m
RT: 9.562 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion: 91 Resp: 26120
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#

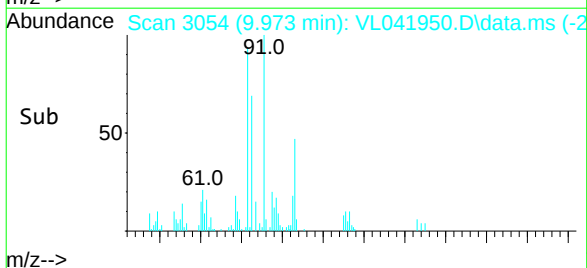
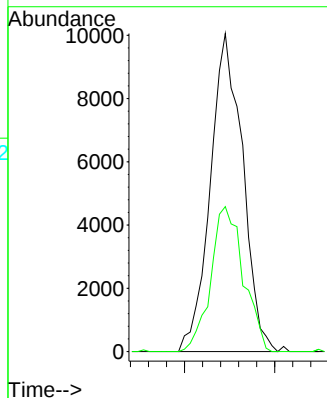
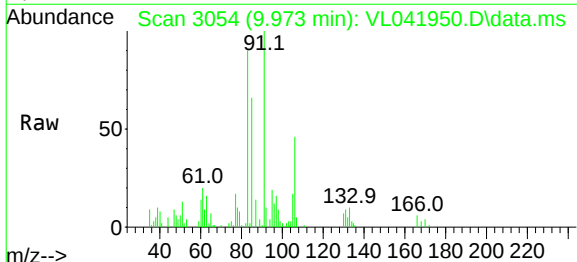
Manual Integrations
APPROVED

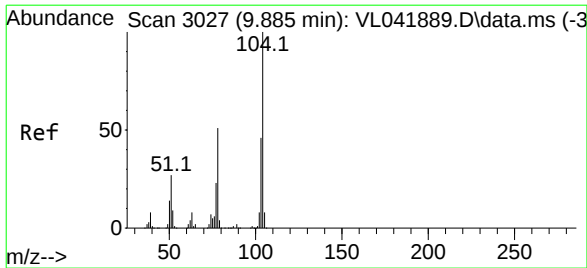
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#60
o-Xylene
Concen: 0.300 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. -0.006 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion: 91 Resp: 12522
Ion Ratio Lower Upper
91 100
106 46.2 21.3 63.9





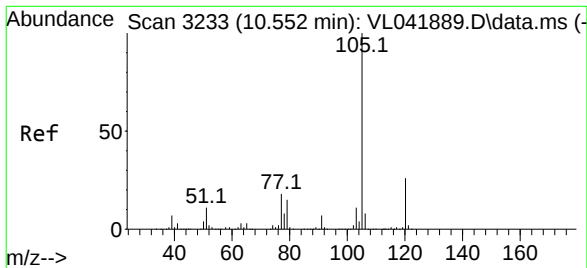
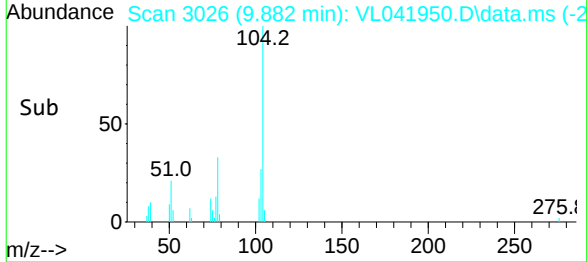
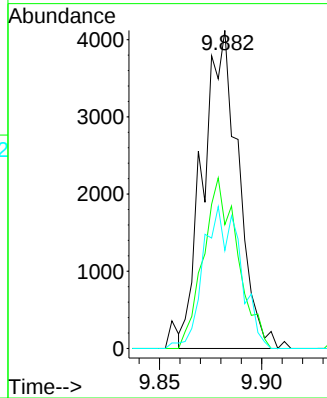
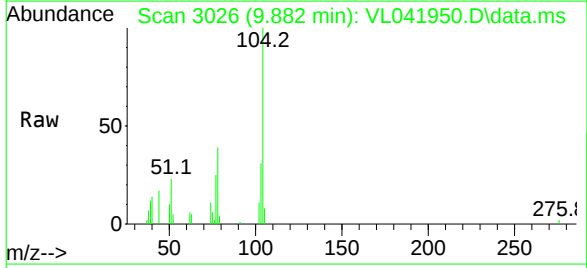
#61
Styrene
Concen: 0.264 ppbv
RT: 9.882 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion:104 Resp: 4936
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.6
103 46.6 37.2 55.8

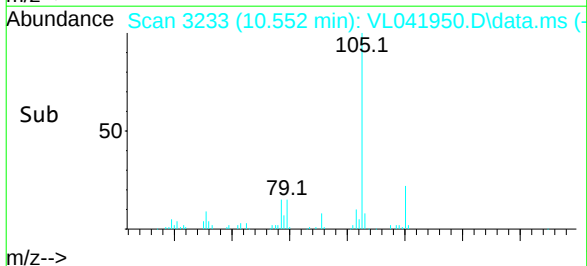
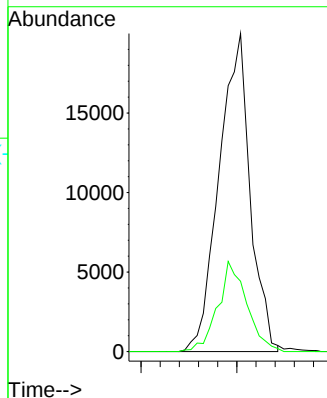
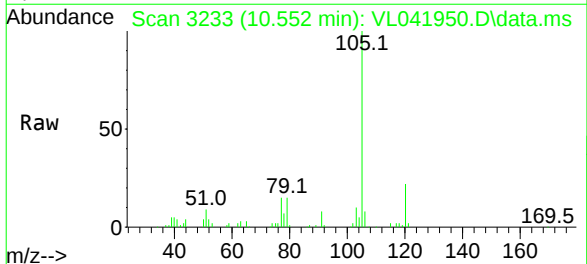
Manual Integrations
APPROVED

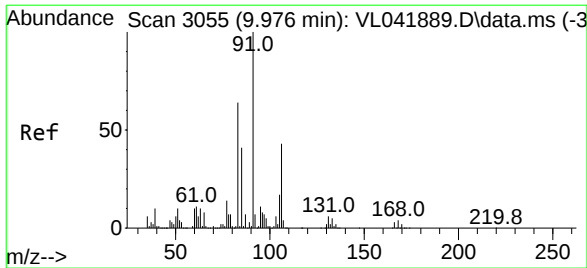
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#62
Isopropylbenzene
Concen: 0.349 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

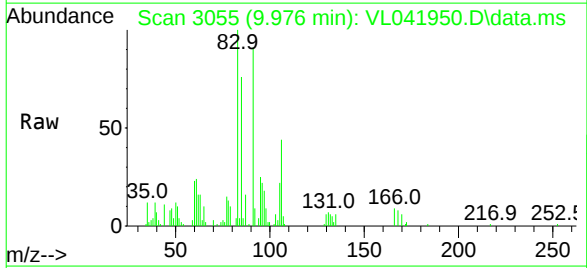
Tgt Ion:105 Resp: 22512
Ion Ratio Lower Upper
105 100
120 26.4 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.483 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.000 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

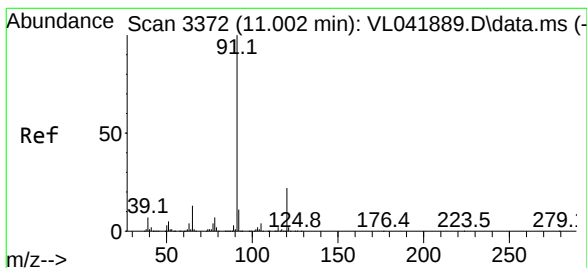
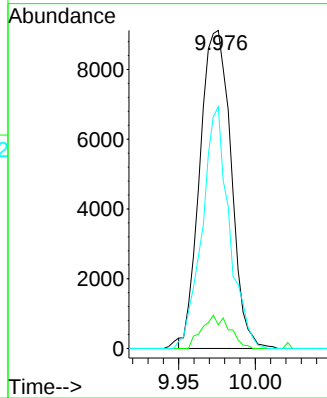
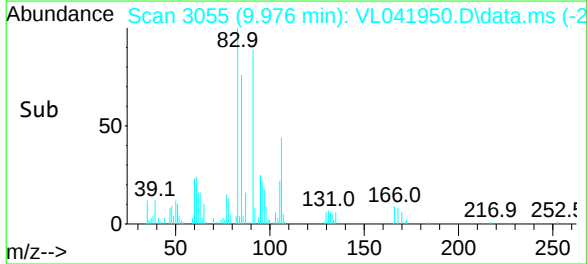
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 83 Resp: 12872
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 66.1 32.4 97.2

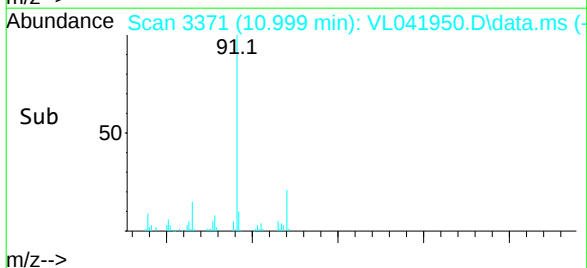
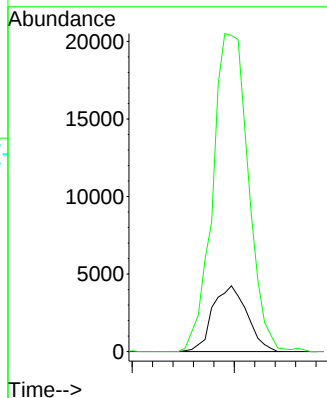
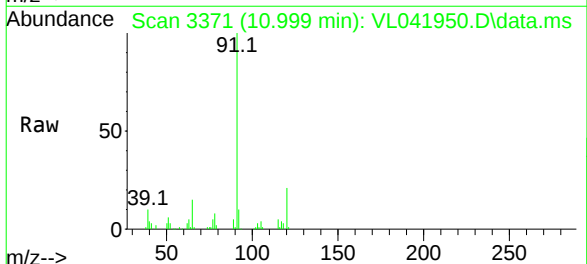
Manual Integrations
APPROVED

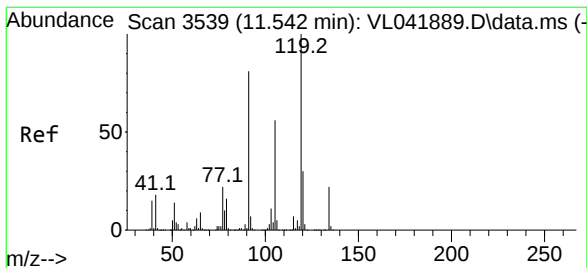
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#64
n-propylbenzene
Concen: 0.305 ppbv
RT: 10.999 min Scan# 3371
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

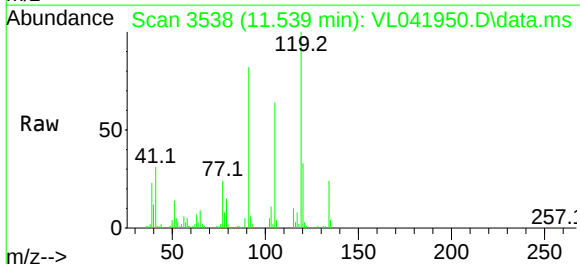
Tgt Ion:120 Resp: 4965
Ion Ratio Lower Upper
120 100
91 501.2 374.1 561.1





#65
tert-Butylbenzene
Concen: 0.309 ppbv
RT: 11.539 min Scan# 3539
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

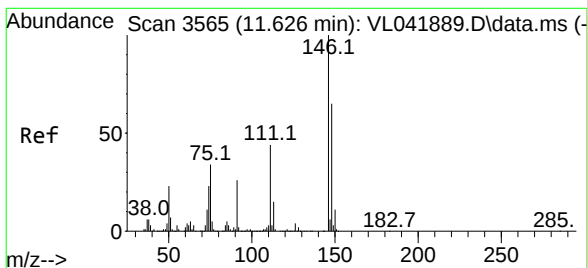
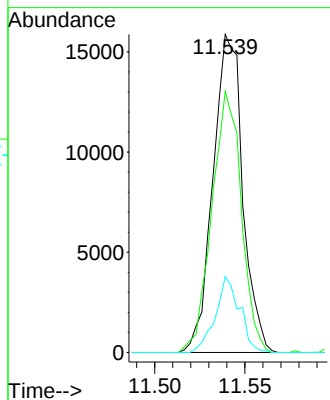
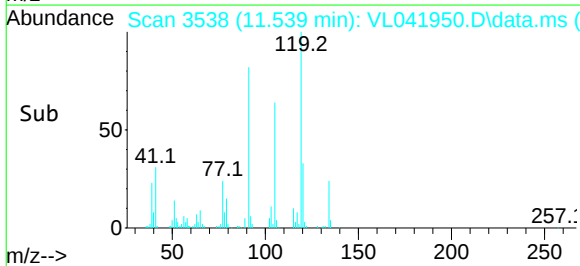
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2025



Tgt Ion	Ratio	Lower	Upper
119	100		
91	81.4	64.6	97.0
134	19.6	16.8	25.2

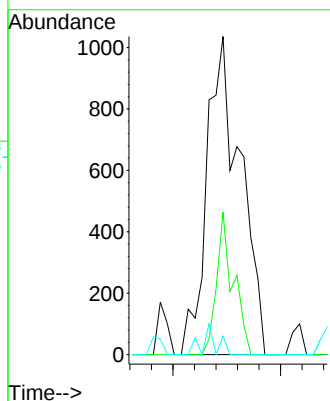
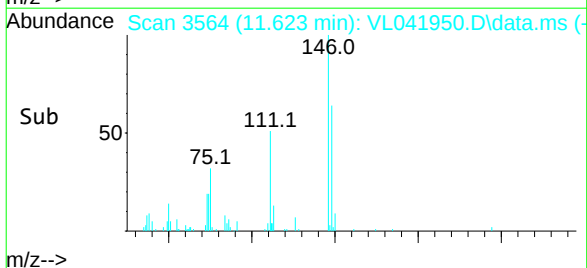
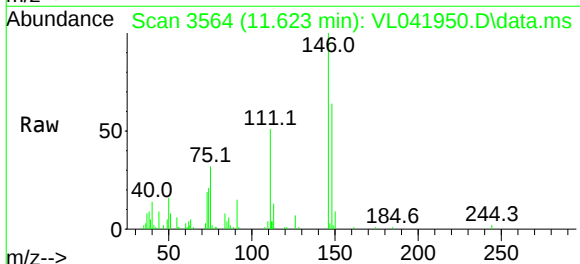
Manual Integrations
APPROVED

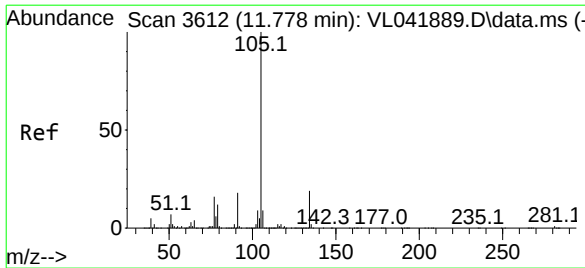
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#66
Benzyl Chloride
Concen: 0.308 ppbv m
RT: 11.623 min Scan# 3564
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

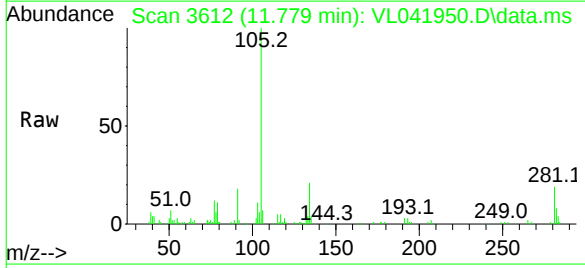
Tgt Ion	Ratio	Lower	Upper
91	100		
126	22.3	14.1	21.1#
128	2.8	4.3	6.5#





#67
 sec-Butylbenzene
 Concen: 0.314 ppbv
 RT: 11.779 min Scan# 3612
 Delta R.T. 0.000 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

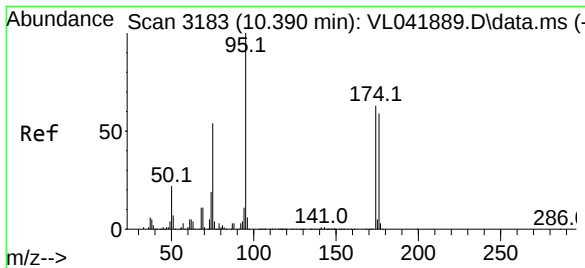
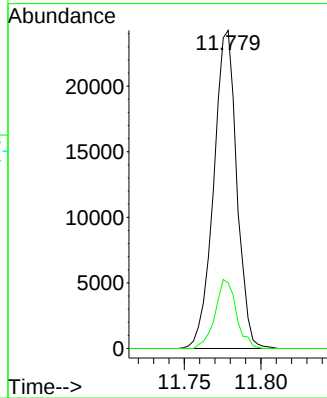
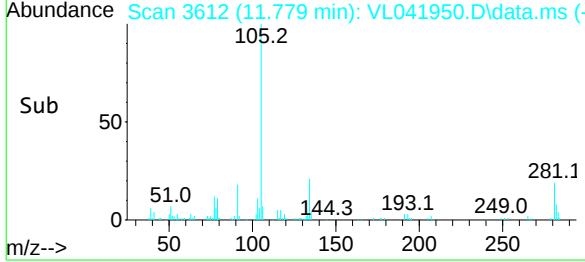
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion: 105 Resp: 25454
 Ion Ratio Lower Upper
 105 100
 134 19.9 15.1 22.7

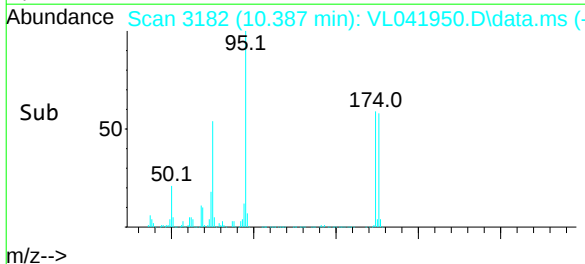
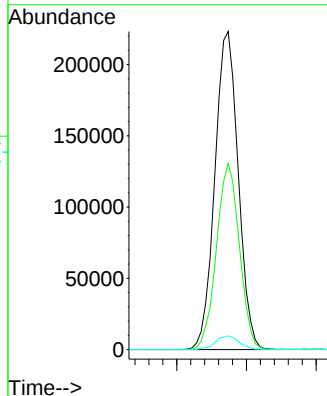
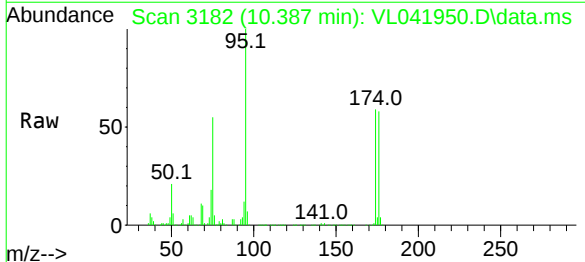
Manual Integrations
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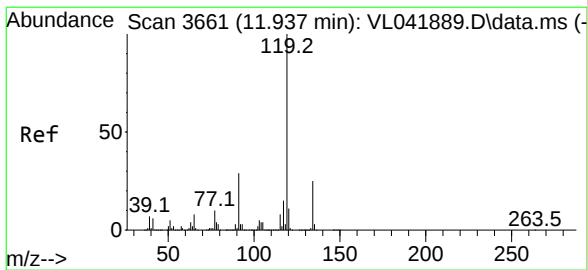
Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.840 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. -0.003 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

Tgt Ion: 95 Resp: 259853
 Ion Ratio Lower Upper
 95 100
 174 57.5 49.0 73.4
 175 4.4 3.8 5.8





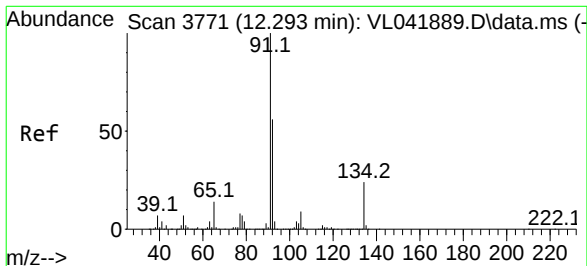
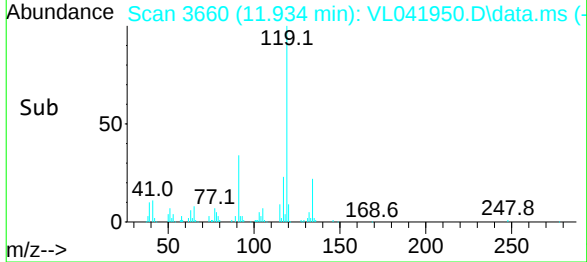
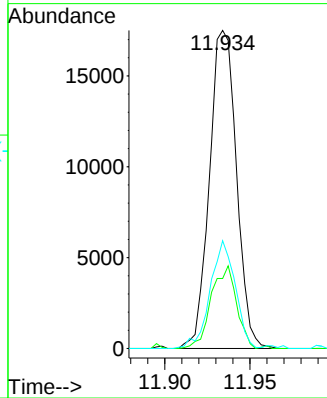
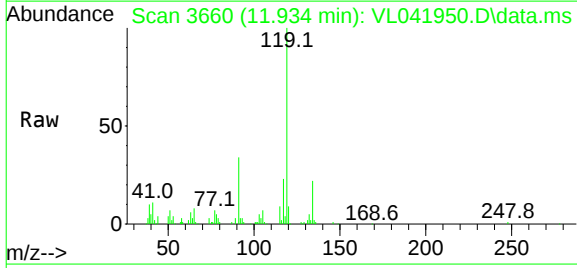
#69
p-Isopropyltoluene
Concen: 0.290 ppbv
RT: 11.934 min Scan# 3661
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion:	119	Resp:	19353
Ion Ratio	Lower	Upper	
119	100		
134	24.9	19.8	29.6
91	32.0	23.0	34.4

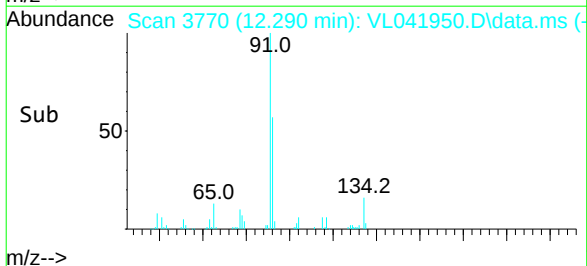
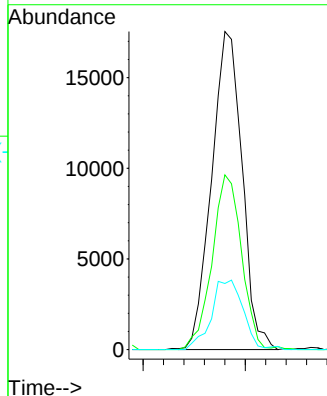
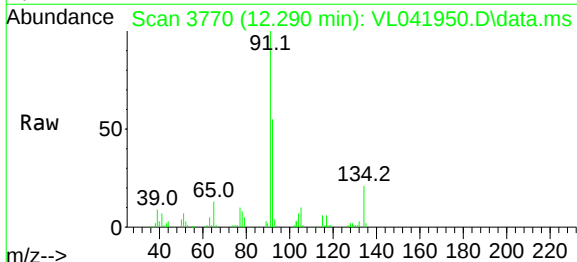
Manual Integrations
APPROVED

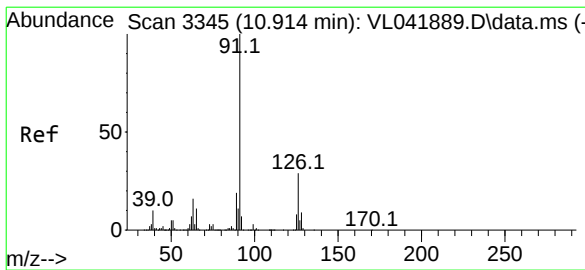
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#70
n-Butylbenzene
Concen: 0.275 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion:	91	Resp:	18157
Ion Ratio	Lower	Upper	
91	100		
92	53.3	43.8	65.6
134	22.9	19.0	28.6





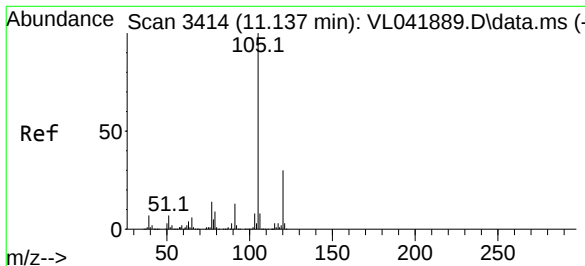
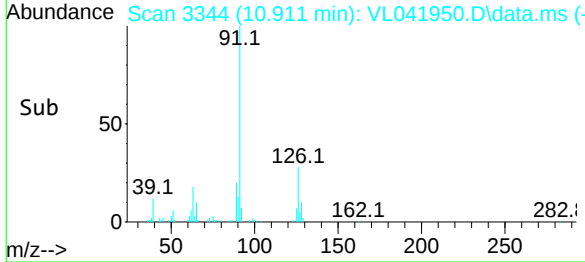
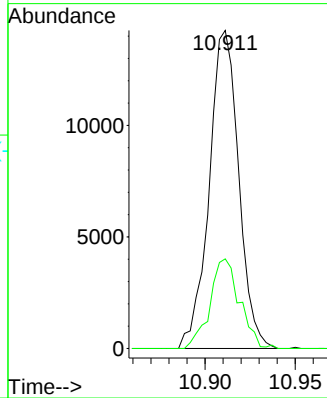
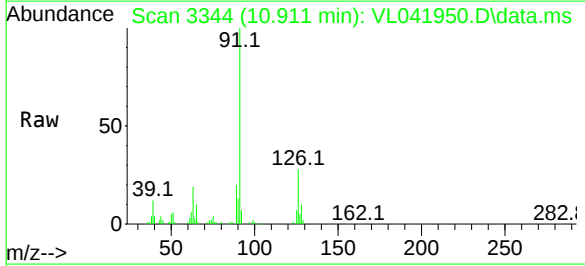
#71
2-Chlorotoluene
Concen: 0.340 ppbv
RT: 10.911 min Scan# 3345
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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

Tgt Ion: 91 Resp: 16241
Ion Ratio Lower Upper
91 100
126 28.4 11.7 46.7

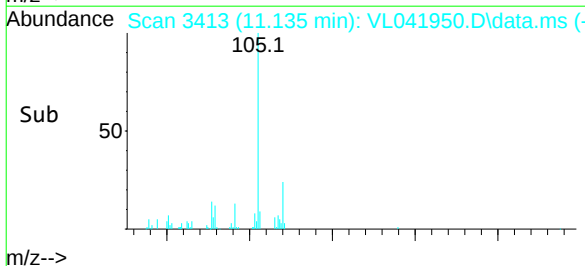
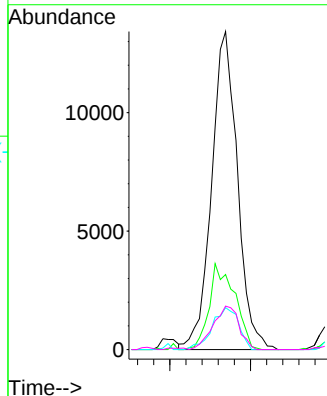
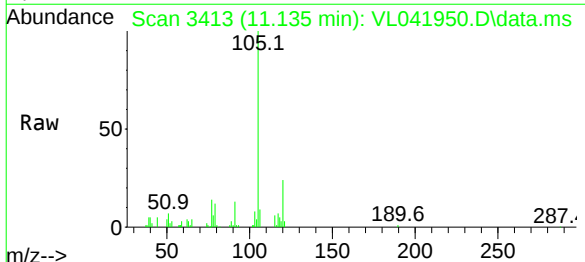
Manual Integrations
APPROVED

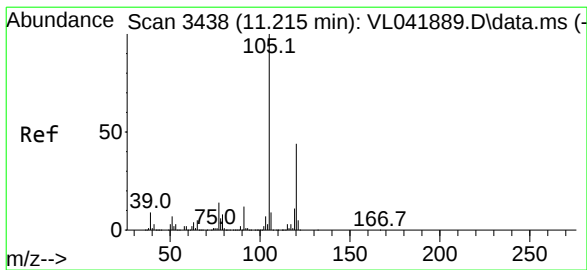
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#72
4-Ethyltoluene
Concen: 0.300 ppbv
RT: 11.135 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

Tgt Ion:105 Resp: 14941
Ion Ratio Lower Upper
105 100
120 27.1 23.7 35.5
91 13.9 10.2 15.2
77 14.0 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.290 ppbv

RT: 11.212 min Scan# 3438

Delta R.T. -0.003 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

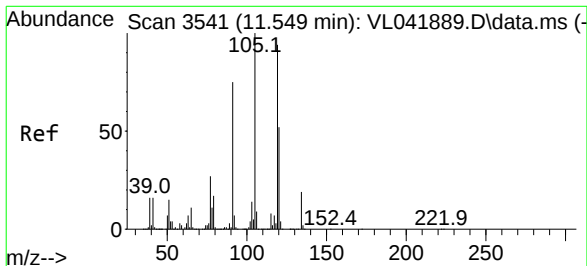
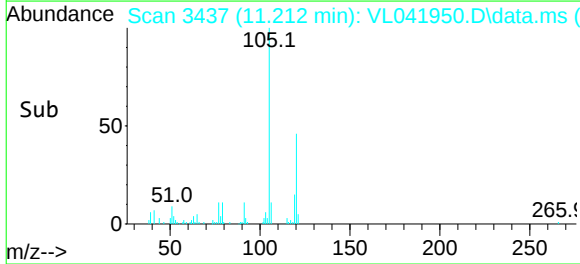
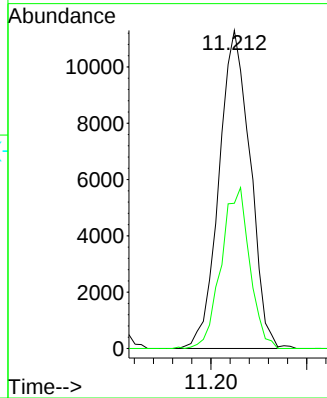
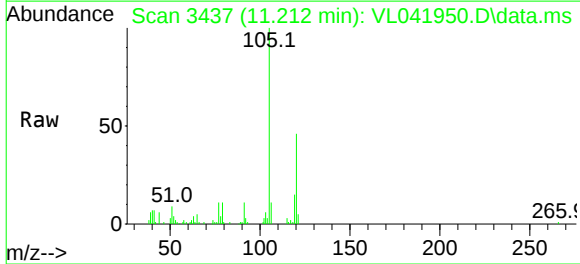
LOD-MDL-AIR-01-QT1-2025

Tgt Ion:105 Resp: 12754
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.4 53.2

Manual Integrations

APPROVED

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



#74

1,2,4-Trimethylbenzene

Concen: 0.310 ppbv

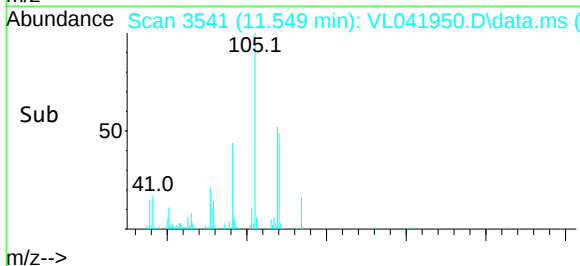
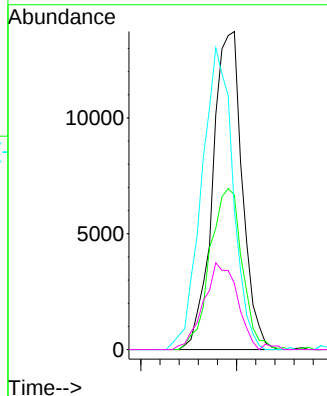
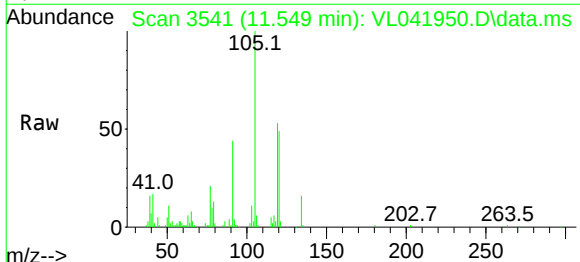
RT: 11.549 min Scan# 3541

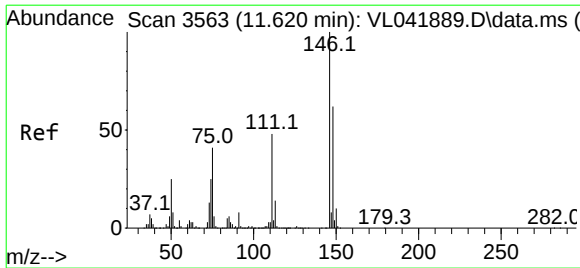
Delta R.T. 0.000 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

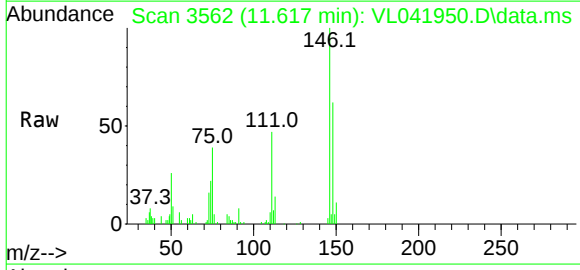
Tgt Ion:105 Resp: 14772
 Ion Ratio Lower Upper
 105 100
 120 48.7 41.4 62.2
 91 43.9 60.2 90.2#
 77 19.6 22.0 33.0#





#75
 1,3-Dichlorobenzene
 Concen: 0.443 ppbv
 RT: 11.617 min Scan# 3562
 Delta R.T. -0.003 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

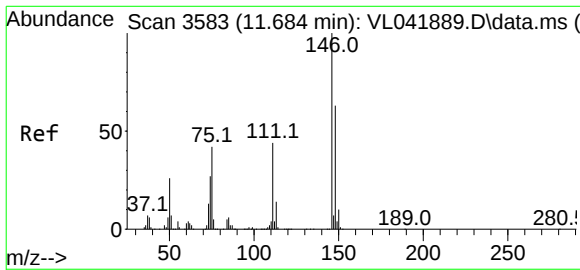
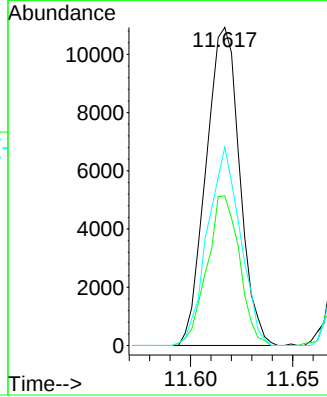
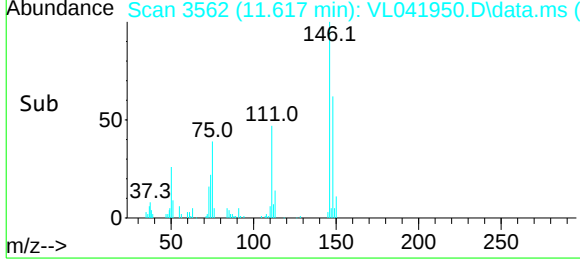
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025



Tgt Ion:	146	Resp:	12513
Ion Ratio	Lower	Upper	
146	100		
111	45.3	23.6	70.8
148	60.8	31.4	94.0

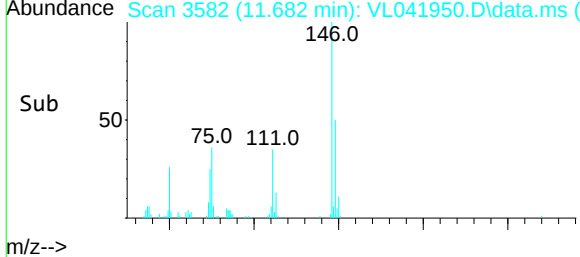
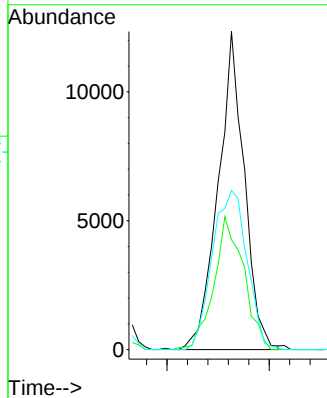
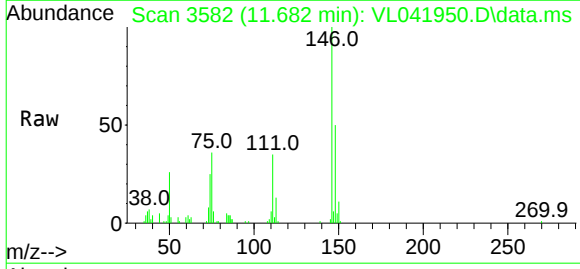
Manual Integrations
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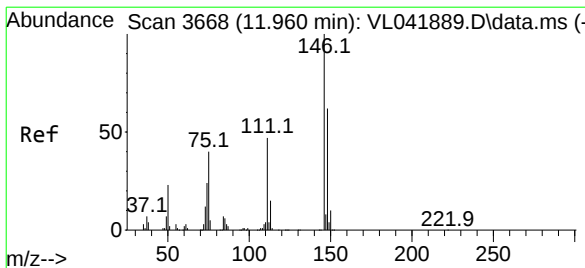
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025



#76
 1,4-Dichlorobenzene
 Concen: 0.398 ppbv
 RT: 11.682 min Scan# 3582
 Delta R.T. -0.003 min
 Lab File: VL041950.D
 Acq: 27 Jan 2025 14:06

Tgt Ion:	146	Resp:	11007
Ion Ratio	Lower	Upper	
146	100		
111	47.4	22.4	67.0
148	66.2	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 0.458 ppbv

RT: 11.957 min Scan# 3668

Delta R.T. -0.003 min

Lab File: VL041950.D

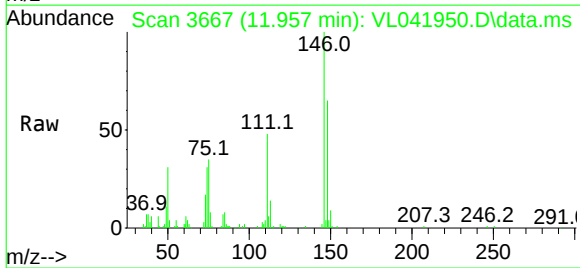
Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2025



Tgt Ion:146 Resp: 12824

Ion Ratio Lower Upper

146 100

111 46.1 24.2 72.6

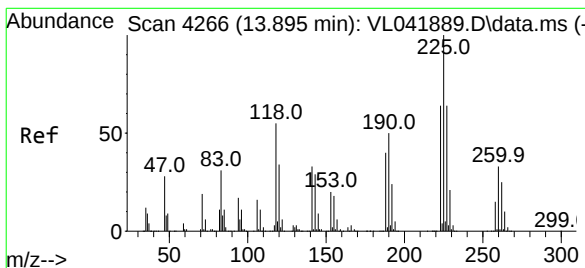
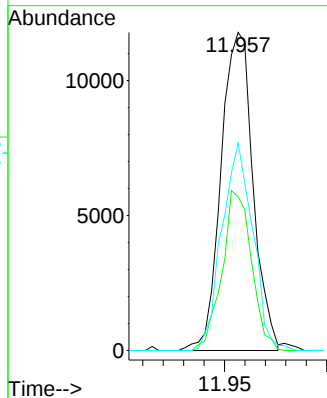
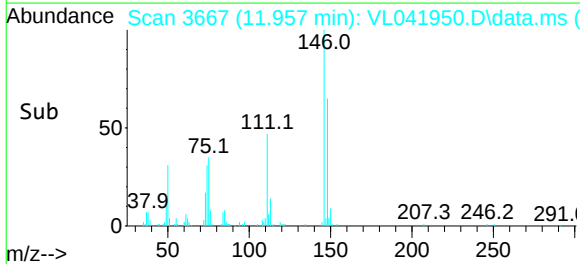
148 63.1 31.7 95.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/30/2025

Supervised By :Mahesh Dadoda 01/30/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.421 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. -0.006 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

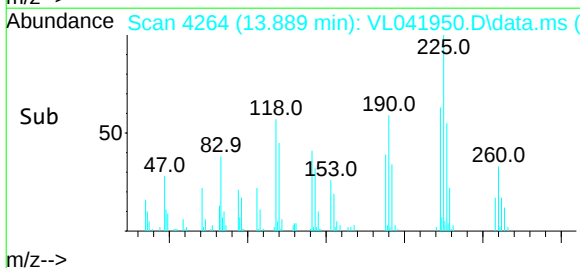
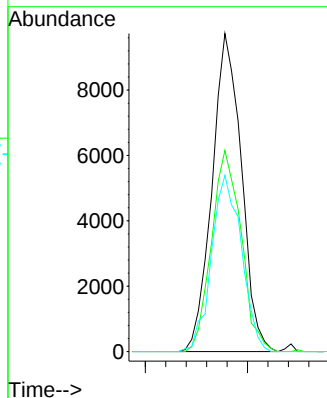
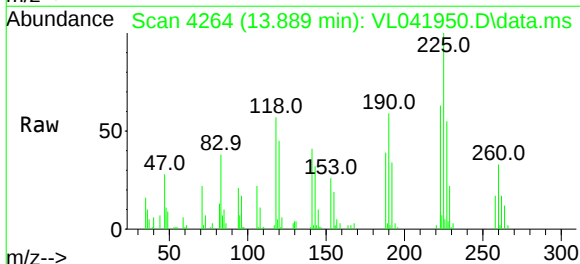
Tgt Ion:225 Resp: 9677

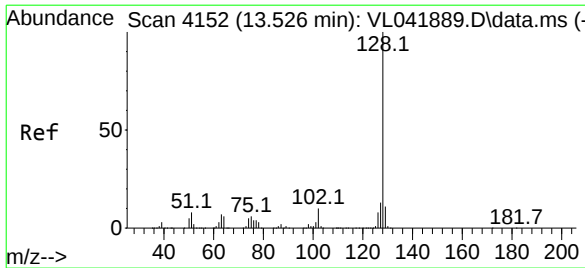
Ion Ratio Lower Upper

225 100

223 63.9 50.8 76.2

227 56.7 50.3 75.5





#79

Naphthalene

Concen: 0.235 ppbv

RT: 13.523 min Scan# 4152

Delta R.T. -0.003 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

Instrument :

MSVOA_L

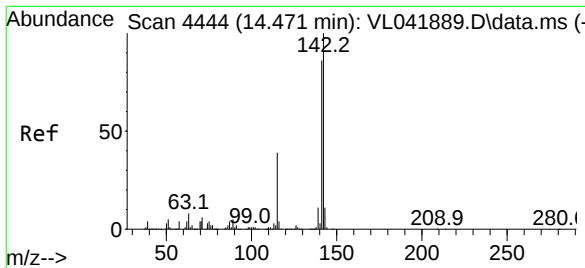
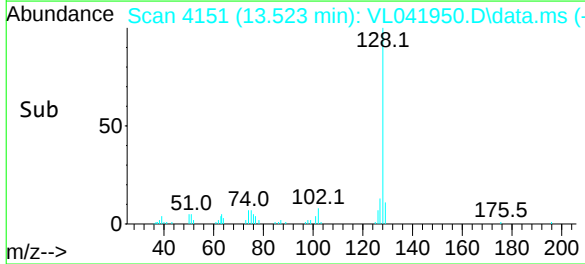
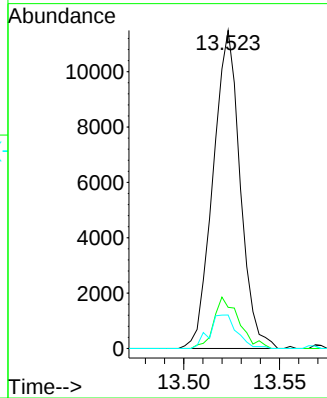
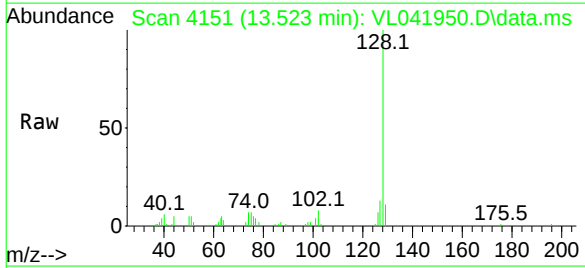
ClientSampleId :

LOD-MDL-AIR-01-QT1-2025

Tgt Ion:	128	Resp:	11296
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.5	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: 0.101 ppbv

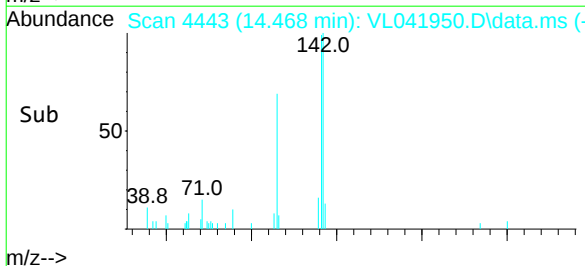
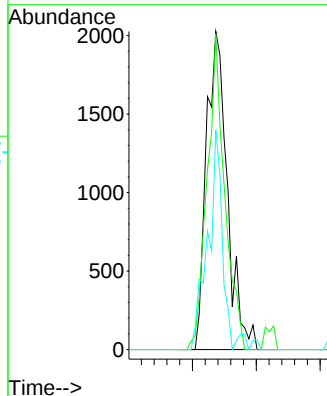
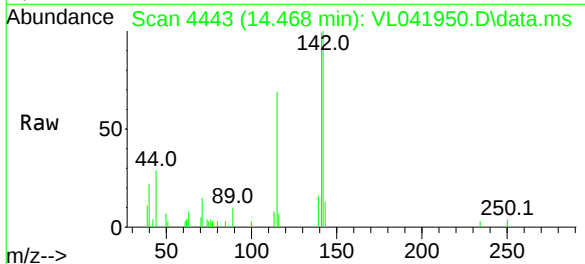
RT: 14.468 min Scan# 4443

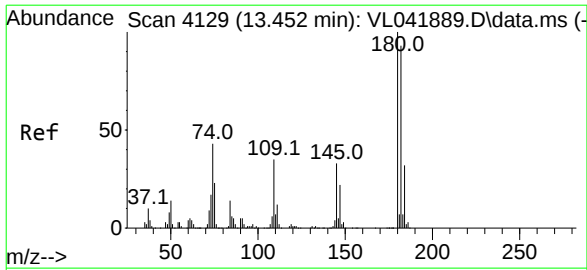
Delta R.T. -0.003 min

Lab File: VL041950.D

Acq: 27 Jan 2025 14:06

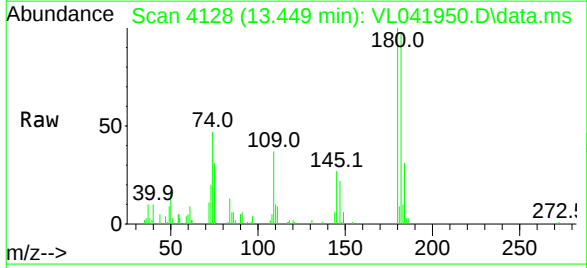
Tgt Ion:	142	Resp:	2307
Ion Ratio	Lower	Upper	
142	100		
141	87.1	68.1	102.1
115	50.2	31.7	47.5#





#81
1,2,4-Trichlorobenzene
Concen: 0.308 ppbv
RT: 13.449 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041950.D
Acq: 27 Jan 2025 14:06

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



Tgt Ion:	180	Resp:	7225
Ion Ratio	Lower	Upper	
180	100		
182	94.2	77.0	115.6
184	30.5	24.9	37.3

Manual Integrations
APPROVED

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

