

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043150.D
 Acq On : 04 Nov 2025 11:55
 Operator : SY/MD
 Sample : Q3530-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:30:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2025
 Supervised By : Mahesh Dadoda 11/07/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	115039	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	362611	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	313207	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 246141 10.111 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	8165	0.499	ppbv	99
3) Chlorodifluoromethane	1.476	51	8187	0.463	ppbv	97
4) Chloromethane	1.535	50	2830	0.437	ppbv	100
5) Vinyl Chloride	1.583	62	2873	0.452	ppbv	95
6) Bromomethane	1.671	94	1627	0.467	ppbv #	74
7) Chloroethane	1.706	64	1233	0.475	ppbv #	88
8) Dichlorotetrafluoroethane	1.557	85	6244	0.472	ppbv #	77
9) Propene	1.486	41	3223	0.411	ppbv	93
10) Heptane	4.985	43	7365m	0.326	ppbv	
11) Trichlorofluoromethane	1.881	101	9044	0.565	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	6880	0.534	ppbv	95
13) Ethanol	1.722	45	1697	0.585	ppbv	89
14) Bromoethene	1.784	108	2295	0.480	ppbv #	86
15) Acetone	1.839	43	9162	0.591	ppbv	94
16) 1,3-Butadiene	1.612	39	3240	0.438	ppbv	89
17) tert-Butyl alcohol	2.043	59	9965	0.468	ppbv	95
18) 1,1-Dichloroethene	2.036	96	2719	0.484	ppbv	83
19) Isopropyl Alcohol	1.887	45	4662	0.483	ppbv #	71
20) Methylene Chloride	2.062	84	3917	0.639	ppbv #	93
21) Allyl Chloride	2.098	41	4781	0.418	ppbv #	72
22) trans-1,2-Dichloroethene	2.344	96	3567	0.531	ppbv	90
23) Vinyl Acetate	2.463	43	12089	0.532	ppbv	98
24) 1,1-Dichloroethane	2.412	63	6467	0.499	ppbv #	88
25) Ethyl Acetate	2.839	43	15643	0.407	ppbv	98
26) Hexane	2.826	57	6915	0.390	ppbv	91
27) Carbon Disulfide	2.153	76	7630	0.470	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3677	0.456	ppbv	95
29) Chloroform	2.849	83	12442	0.485	ppbv	88
30) Cyclohexane	3.858	84	5766	0.373	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	7660	0.453	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	12771	0.478	ppbv	99
34) 2-Butanone	2.561	43	11264	0.462	ppbv	91
35) Carbon Tetrachloride	3.768	117	12918	0.496	ppbv	90
36) Benzene	3.658	78	15489	0.454	ppbv	95
37) 1,2-Dichloroethane	3.221	62	10142	0.515	ppbv #	95
38) Trichloroethene	4.554	130	6611m	0.463	ppbv	
39) 1,2-Dichloropropane	4.315	63	5553	0.445	ppbv	99
40) 1,4-Dioxane	4.603	88	2286m	0.409	ppbv	
41) Tetrahydrofuran	3.062	42	4889	0.359	ppbv #	92
42) Bromodichloromethane	4.493	83	13046	0.479	ppbv #	97
43) Methyl Methacrylate	4.881	69	6358	0.367	ppbv	91
44) 2,2,4-Trimethylpentane	4.642	57	21476	0.373	ppbv	95
45) t-1,3-Dichloropropene	6.412	75	6126m	0.352	ppbv	

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 LOD-MDL-AIR-01-QT4-2025

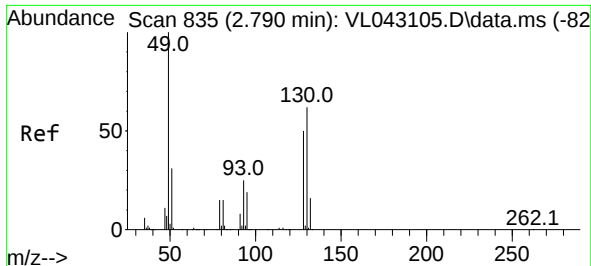
Quant Time: Nov 05 06:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2025
 Supervised By : Mahesh Dadoda 11/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	7744m	0.372	ppbv	
47) 1,1,2-Trichloroethane	6.577	97	6469m	0.480	ppbv	
48) Dibromochloromethane	7.386	129	10231	0.454	ppbv	97
49) Bromoform	9.487	173	8233m	0.449	ppbv	
50) 4-Methyl-2-Pentanone	5.771	43	12528m	0.372	ppbv	
51) 2-Hexanone	7.445	43	7485	0.297	ppbv #	99
52) Tetrachloroethene	8.228	164	6235m	0.506	ppbv	
53) Toluene	6.937	91	14339m	0.354	ppbv	
54) 1,2-Dibromoethane	7.652	107	9798	0.464	ppbv	86
56) 1,1,1,2-Tetrachloroethane	8.924	131	10189	0.516	ppbv #	1
57) Chlorobenzene	8.917	112	14013	0.478	ppbv #	84
58) Ethyl Benzene	9.358	91	19508	0.363	ppbv	94
59) m/p-Xylene	9.552	91	31319m	0.730	ppbv	
60) o-Xylene	9.963	91	16019	0.378	ppbv	97
61) Styrene	9.869	104	6498	0.340	ppbv	96
62) Isopropylbenzene	10.539	105	30545	0.399	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	13112	0.462	ppbv	98
64) n-propylbenzene	10.989	120	7654	0.378	ppbv	95
65) tert-Butylbenzene	11.533	119	26729	0.396	ppbv	98
66) Benzyl Chloride	11.620	91	1929m	0.257	ppbv	
67) sec-Butylbenzene	11.766	105	40169	0.419	ppbv	97
69) p-Isopropyltoluene	11.924	119	30464	0.374	ppbv	99
70) n-Butylbenzene	12.283	91	27554	0.343	ppbv	98
71) 2-Chlorotoluene	10.901	91	22987	0.394	ppbv	99
72) 4-Ethyltoluene	11.128	105	18484	0.355	ppbv	97
73) 1,3,5-Trimethylbenzene	11.202	105	16353	0.381	ppbv	87
74) 1,2,4-Trimethylbenzene	11.539	105	19486	0.406	ppbv #	82
75) 1,3-Dichlorobenzene	11.607	146	13526	0.485	ppbv	97
76) 1,4-Dichlorobenzene	11.672	146	13108	0.466	ppbv	95
77) 1,2-Dichlorobenzene	11.947	146	13838	0.513	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	11610	0.556	ppbv	96
79) Naphthalene	13.517	128	13133	0.261	ppbv #	97
80) Naphthalene,2-methyl-	14.462	142	1597	0.122	ppbv	91
81) 1,2,4-Trichlorobenzene	13.439	180	5629	0.270	ppbv	93

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



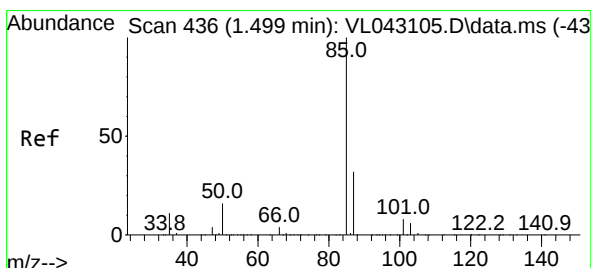
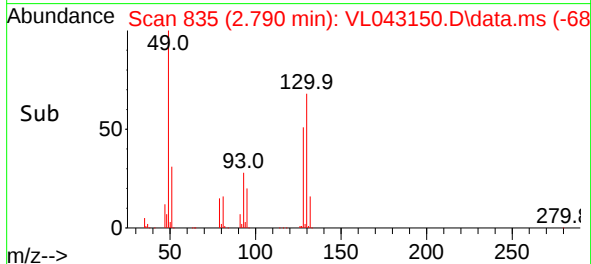
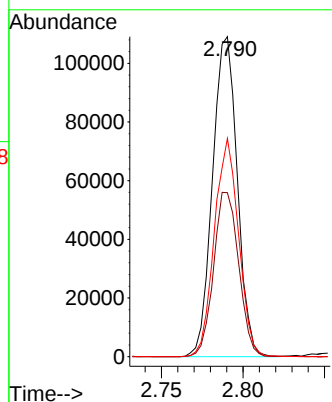
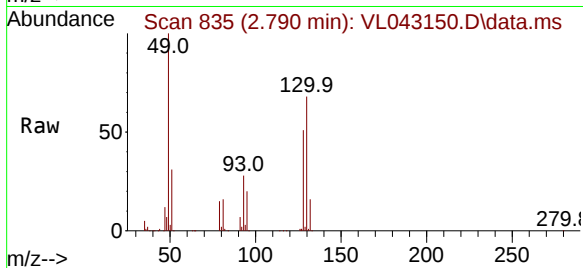
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 49 Resp: 115039
Ion Ratio Lower Upper
49 100
128 52.2 24.4 73.4
130 66.7 31.0 93.0

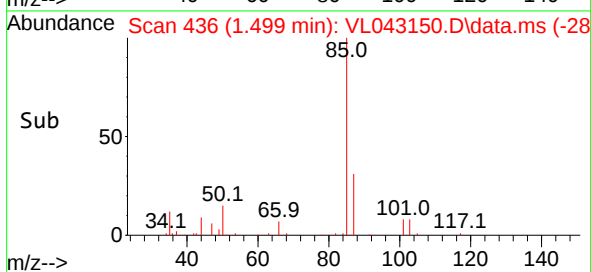
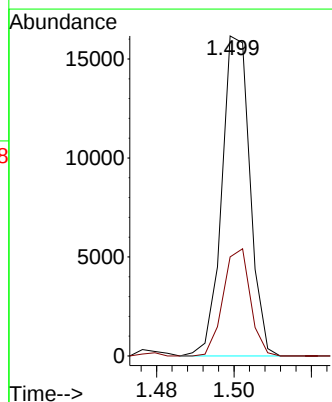
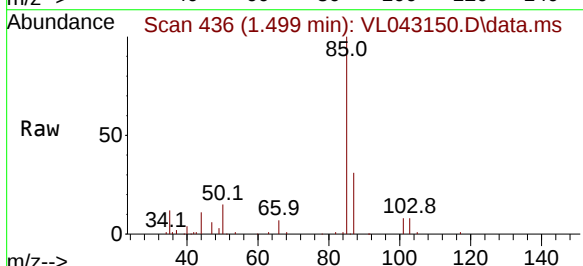
Manual Integrations
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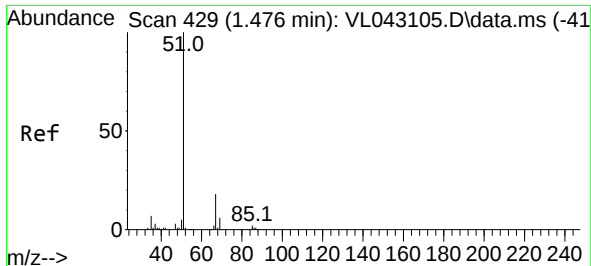
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#2
Dichlorodifluoromethane
Concen: 0.499 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

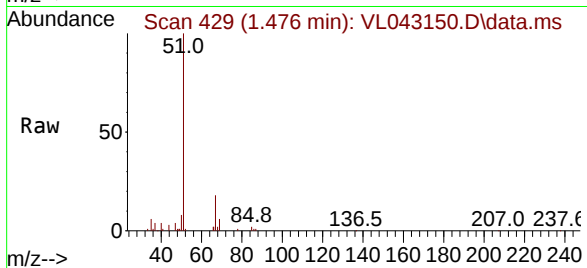
Tgt Ion: 85 Resp: 8165
Ion Ratio Lower Upper
85 100
87 31.0 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.463 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

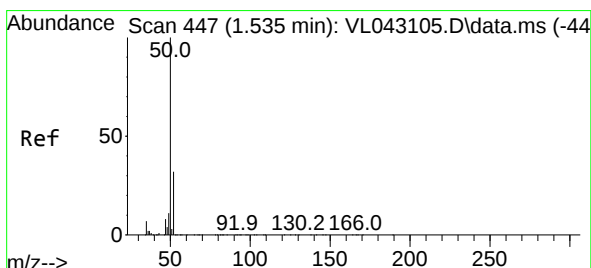
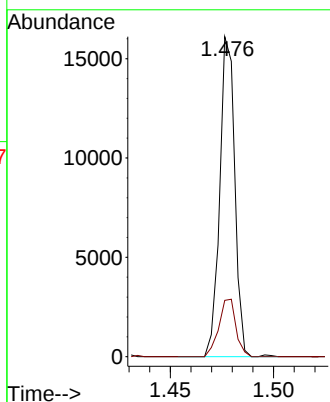
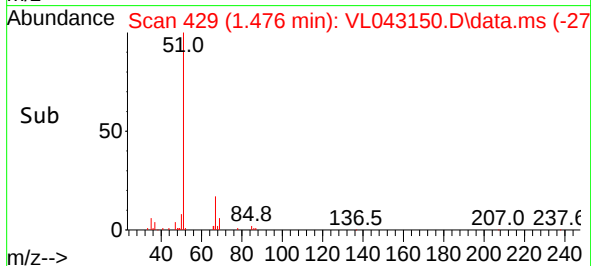
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



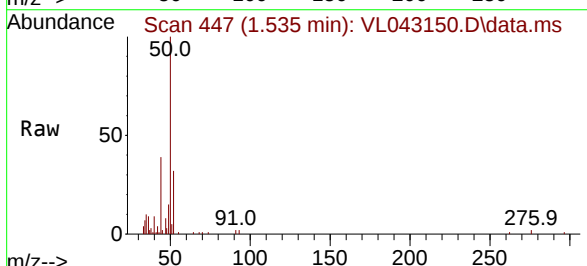
Tgt Ion: 51 Resp: 818
Ion Ratio Lower Upper
51 100
67 20.4 15.1 22.7

Manual Integrations
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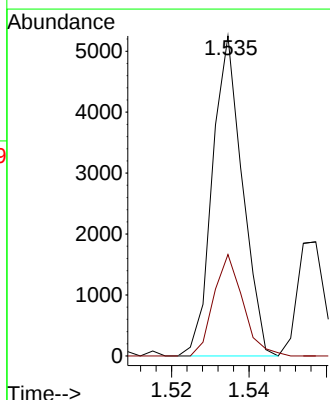
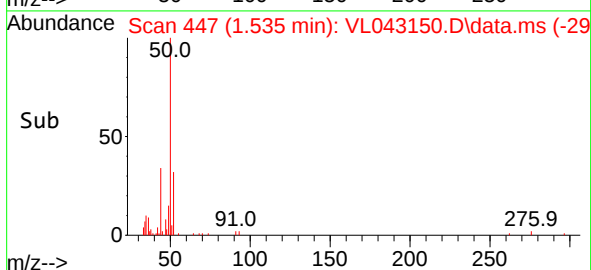
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

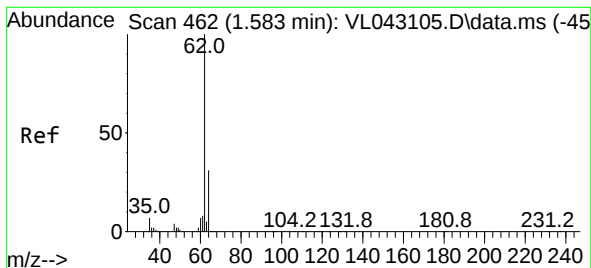


#4
Chloromethane
Concen: 0.437 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55



Tgt Ion: 50 Resp: 2830
Ion Ratio Lower Upper
50 100
52 31.7 25.2 37.8





#5

Vinyl Chloride

Concen: 0.452 ppbv

RT: 1.583 min Scan# 462

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 62 Resp: 287

Ion Ratio Lower Upper

62 100

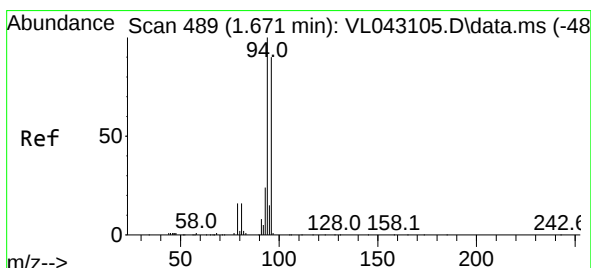
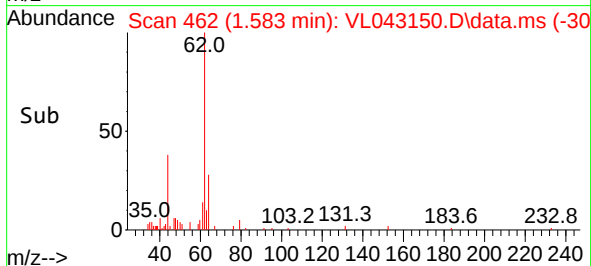
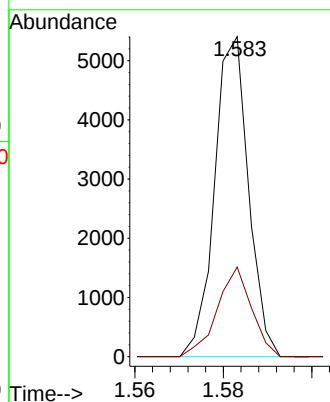
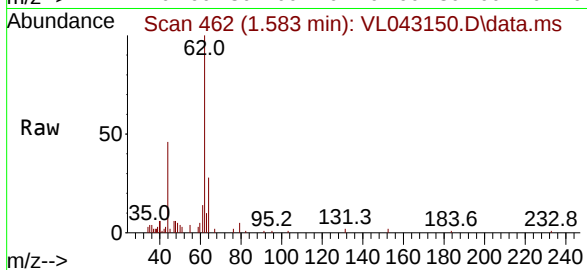
64 28.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#6

Bromomethane

Concen: 0.467 ppbv

RT: 1.671 min Scan# 489

Delta R.T. -0.000 min

Lab File: VL043150.D

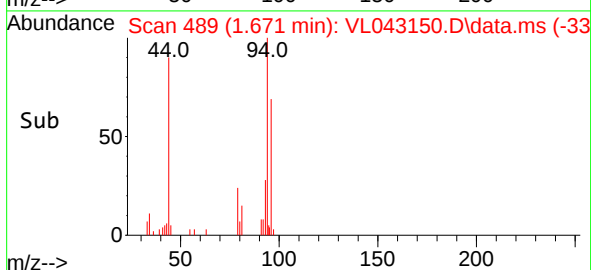
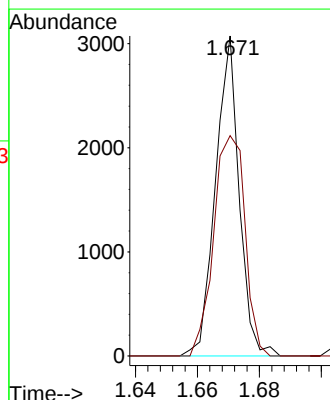
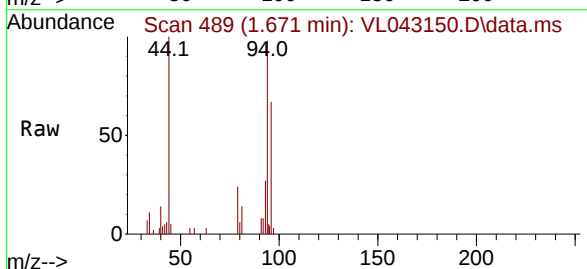
Acq: 04 Nov 2025 11:55

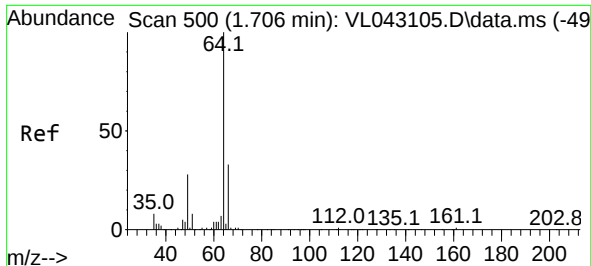
Tgt Ion: 94 Resp: 1627

Ion Ratio Lower Upper

94 100

96 65.3 72.2 108.4





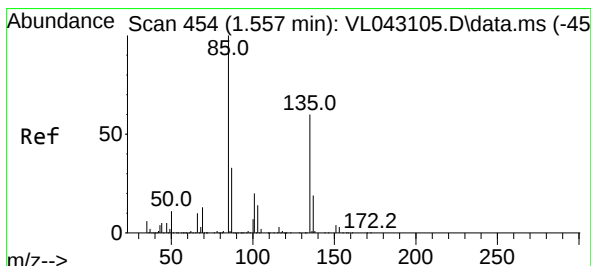
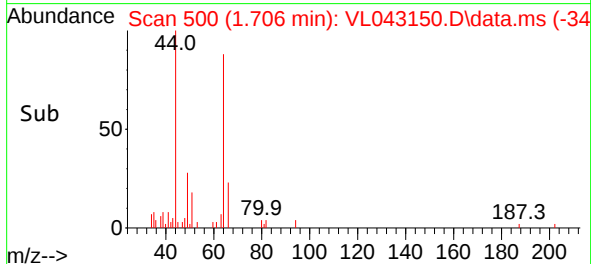
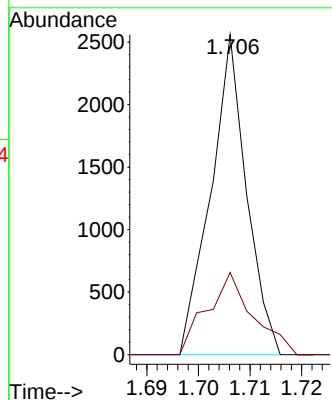
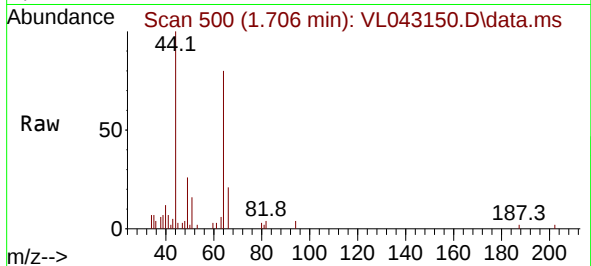
#7
Chloroethane
Concen: 0.475 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 64 Resp: 123
Ion Ratio Lower Upper
64 100
66 25.7 26.0 39.0

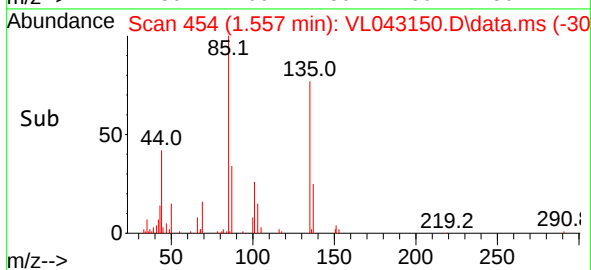
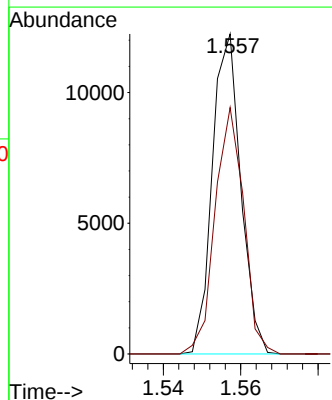
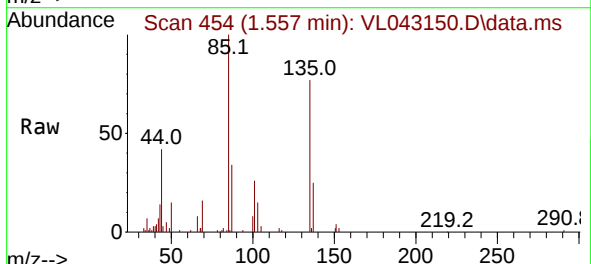
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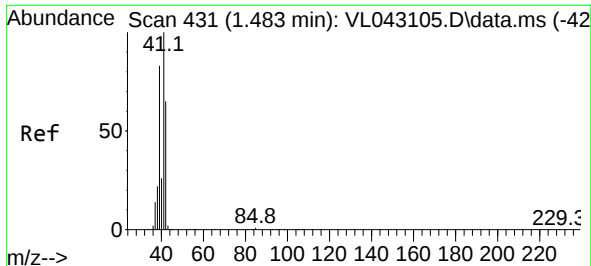
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#8
Dichlorotetrafluoroethane
Concen: 0.472 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 85 Resp: 6244
Ion Ratio Lower Upper
85 100
135 77.7 48.2 72.4





#9

Propene

Concen: 0.411 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 41 Resp: 322

Ion Ratio Lower Upper

41 100

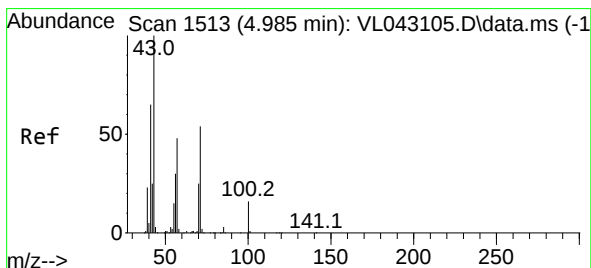
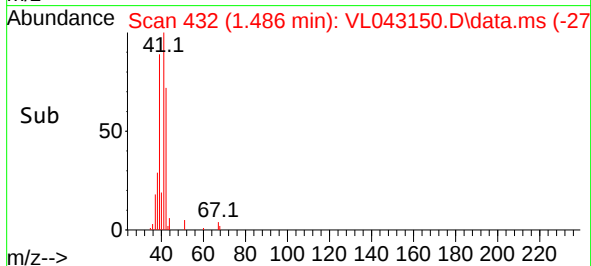
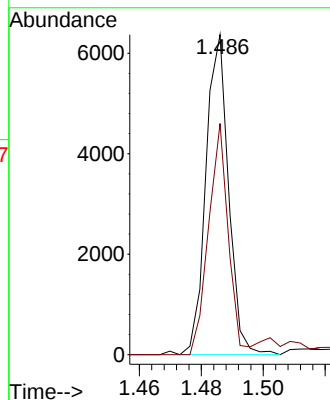
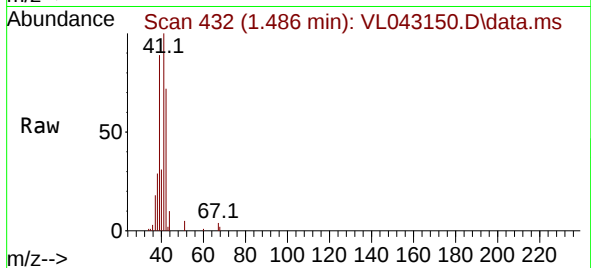
42 74.3 55.1 82.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#10

Heptane

Concen: 0.326 ppbv m

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043150.D

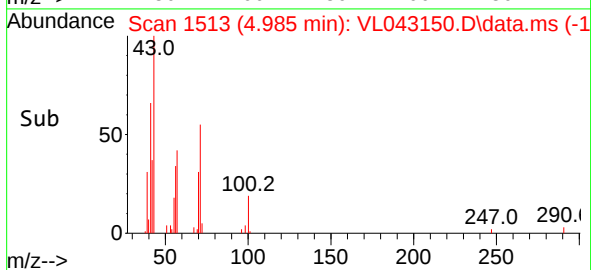
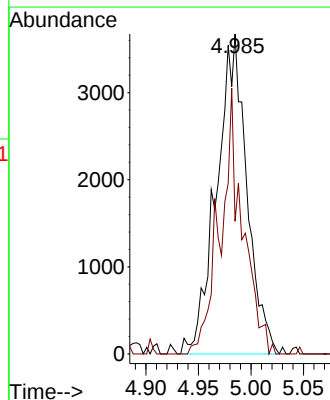
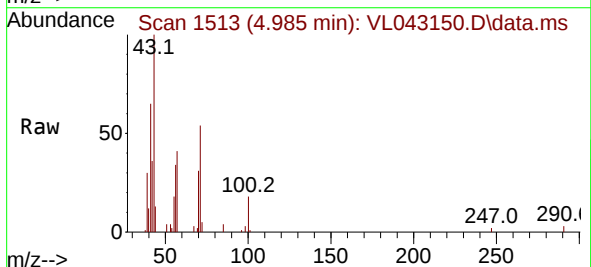
Acq: 04 Nov 2025 11:55

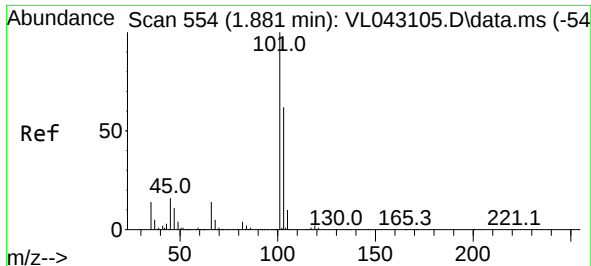
Tgt Ion: 43 Resp: 7365

Ion Ratio Lower Upper

43 100

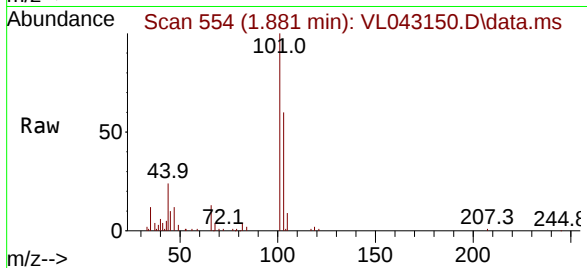
57 61.3 40.8 61.2#





#11
Trichlorofluoromethane
Concen: 0.565 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

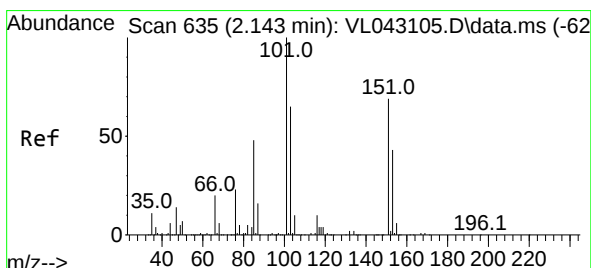
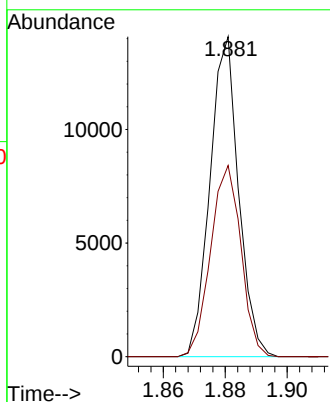
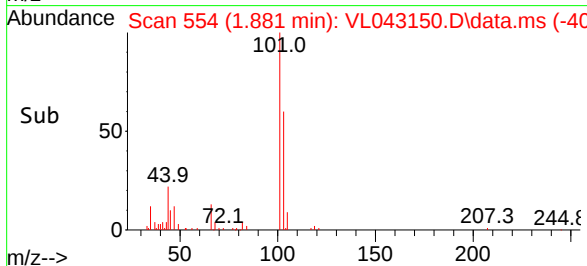
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion:101 Resp: 9044
Ion Ratio Lower Upper
101 100
103 59.8 49.3 73.9

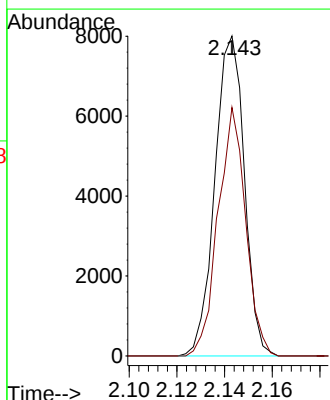
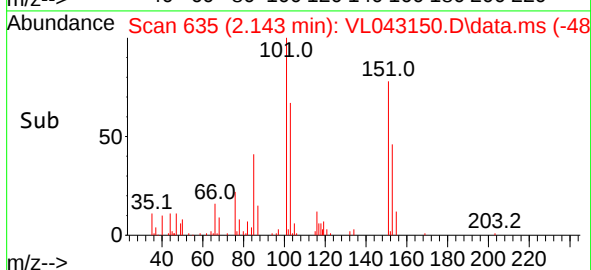
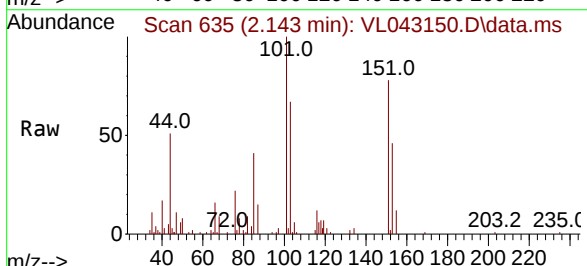
Manual Integrations
APPROVED

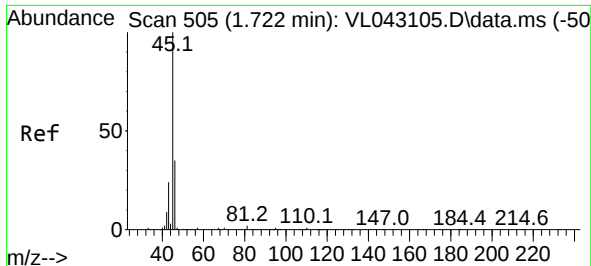
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.534 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

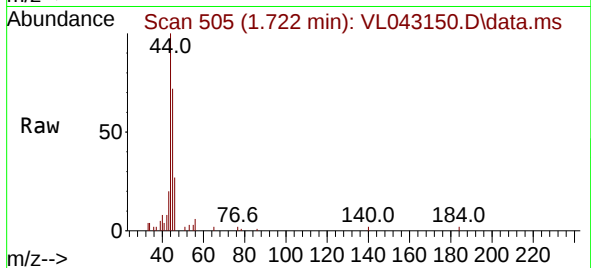
Tgt Ion:101 Resp: 6880
Ion Ratio Lower Upper
101 100
151 72.8 54.7 82.1





#13
Ethanol
Concen: 0.585 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

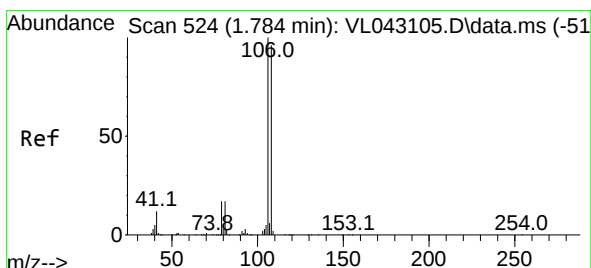
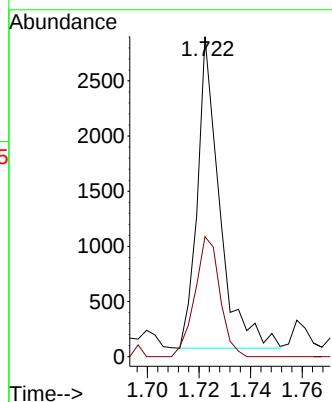
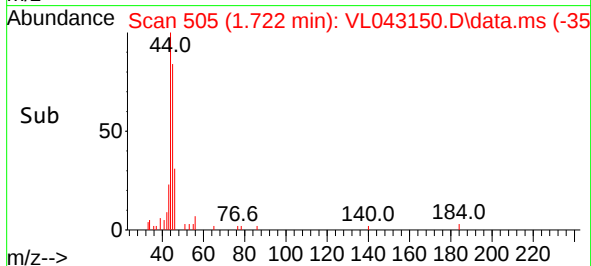
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



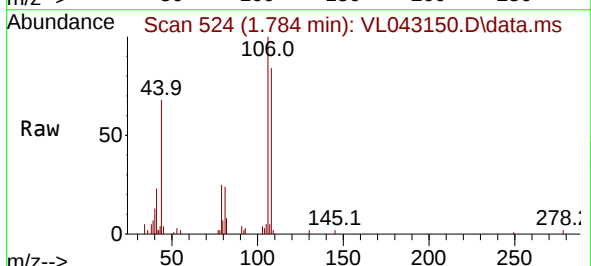
Tgt Ion: 45 Resp: 169
Ion Ratio Lower Upper
45 100
46 43.1 14.7 58.9

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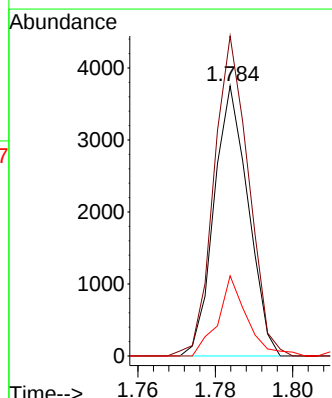
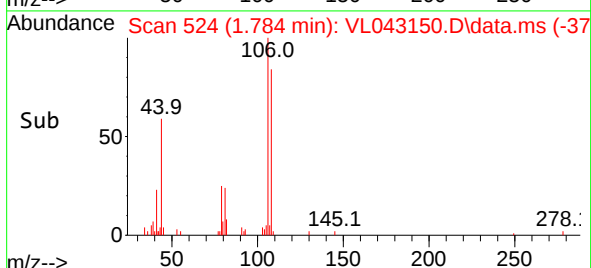
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

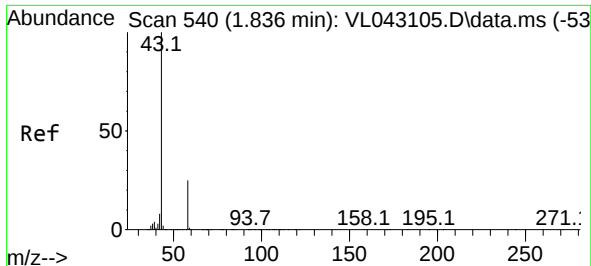


#14
Bromoethene
Concen: 0.480 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55



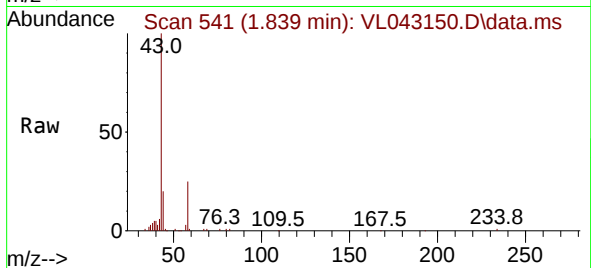
Tgt Ion:108 Resp: 2295
Ion Ratio Lower Upper
108 100
106 119.7 84.4 126.6
79 25.7 15.3 22.9#





#15
Acetone
Concen: 0.591 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

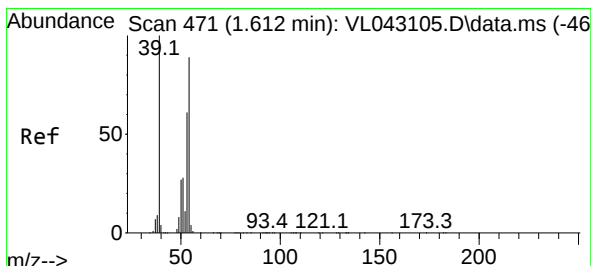
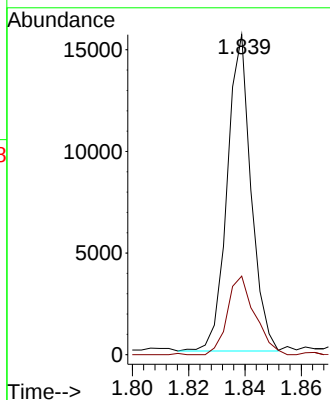
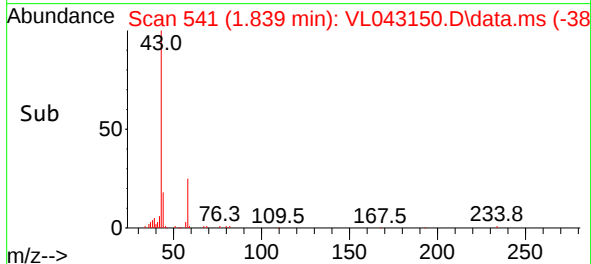
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 43 Resp: 9162
Ion Ratio Lower Upper
43 100
58 28.9 20.8 31.2

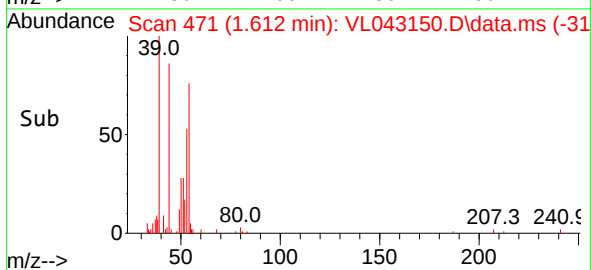
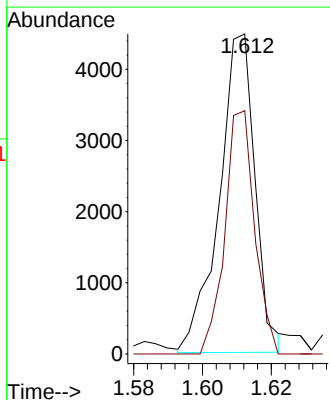
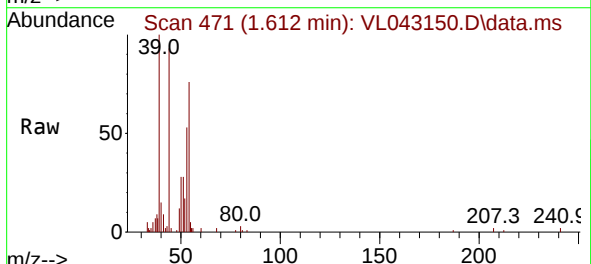
Manual Integrations
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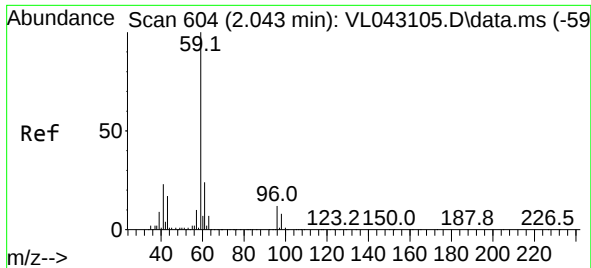
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#16
1,3-Butadiene
Concen: 0.438 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 39 Resp: 3240
Ion Ratio Lower Upper
39 100
54 64.1 59.0 88.4





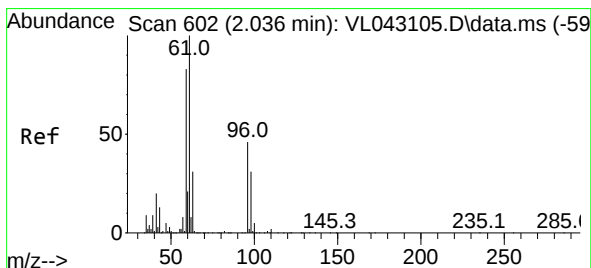
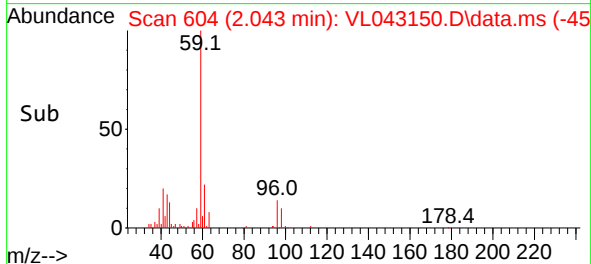
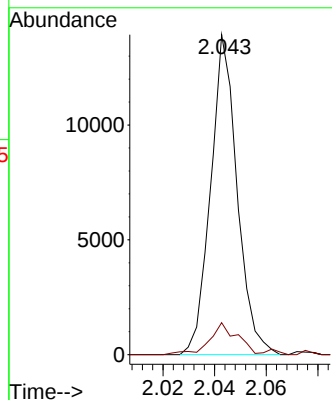
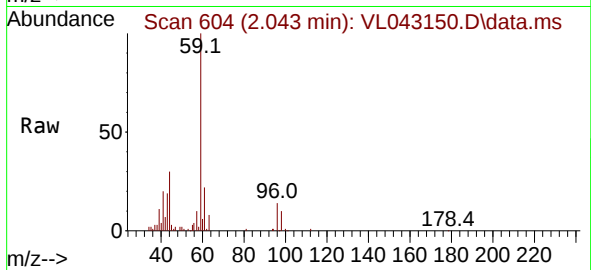
#17
tert-Butyl alcohol
Concen: 0.468 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 59 Resp: 996
Ion Ratio Lower Upper
59 100
57 12.0 8.2 12.4

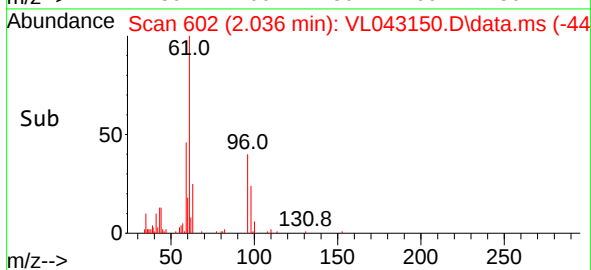
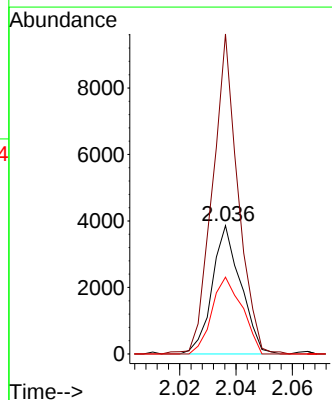
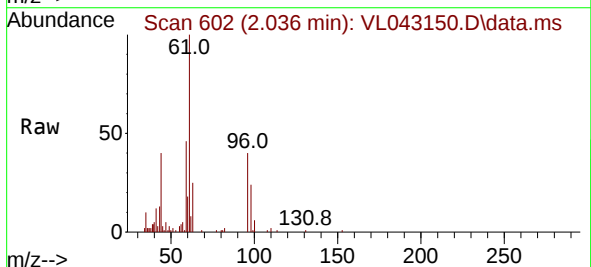
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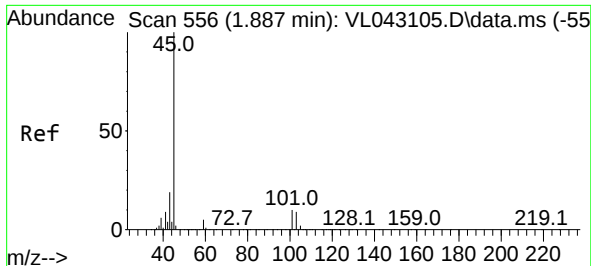
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#18
1,1-Dichloroethene
Concen: 0.484 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 96 Resp: 2719
Ion Ratio Lower Upper
96 100
61 247.9 173.4 260.0
98 59.9 53.2 79.8





#19

Isopropyl Alcohol

Concen: 0.483 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL043150.D

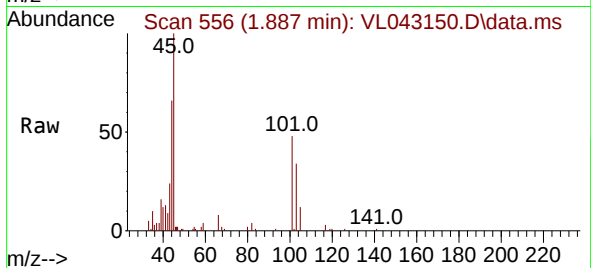
Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 45 Resp: 4662

Ion Ratio Lower Upper

45 100

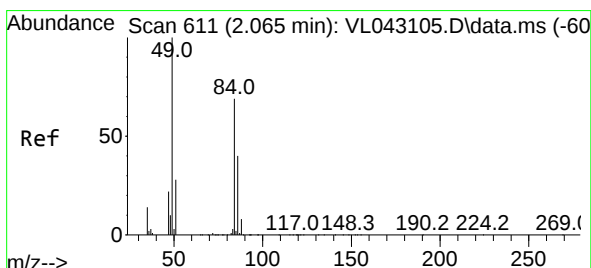
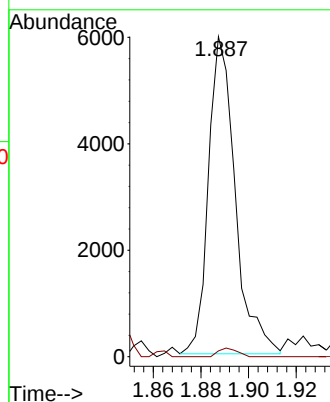
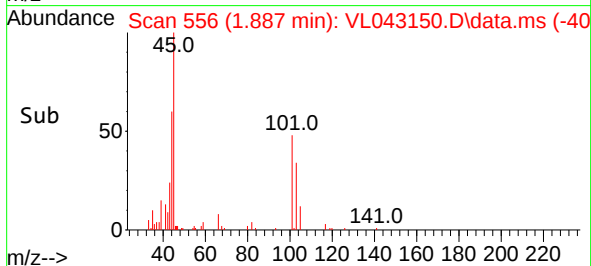
58 56.8 31.3 46.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#20

Methylene Chloride

Concen: 0.639 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Tgt Ion: 84 Resp: 3917

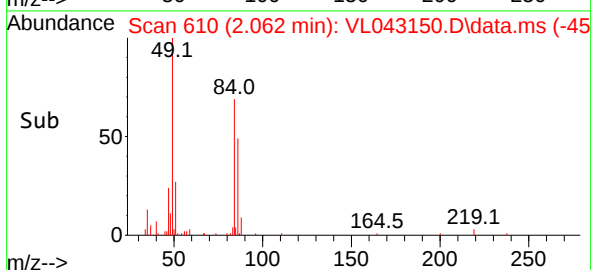
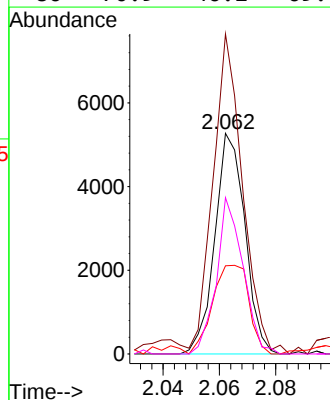
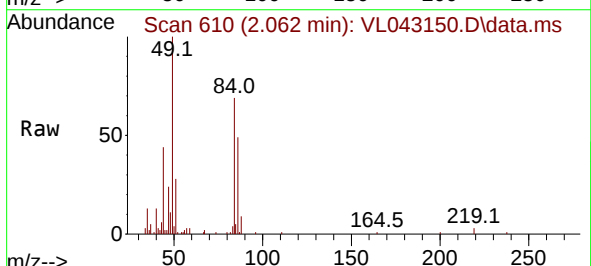
Ion Ratio Lower Upper

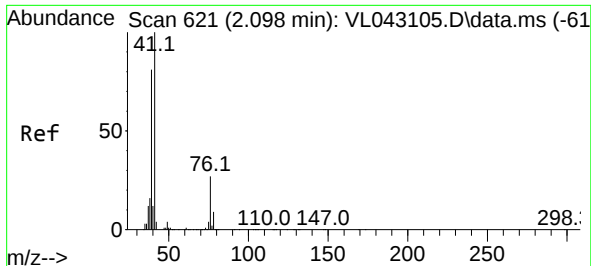
84 100

49 141.0 116.6 175.0

51 40.0 34.8 52.2

86 70.9 46.2 69.4





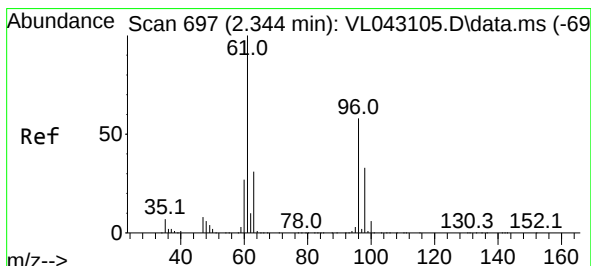
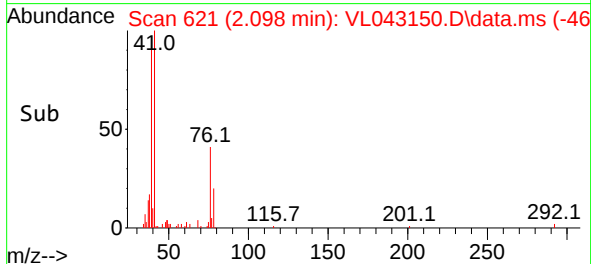
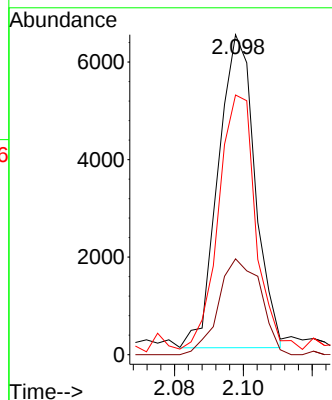
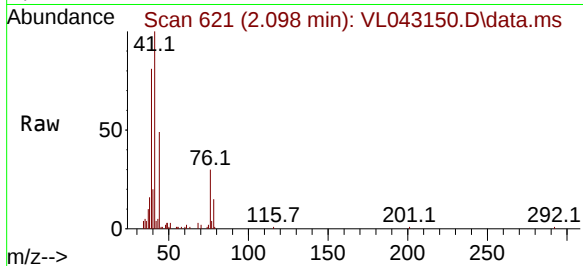
#21
 Allyl Chloride
 Concen: 0.418 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 41 Resp: 478
 Ion Ratio Lower Upper
 41 100
 76 35.2 21.5 32.3
 39 103.5 60.8 91.2

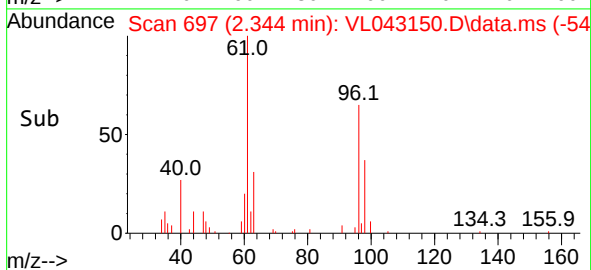
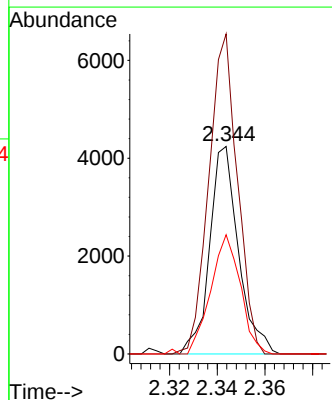
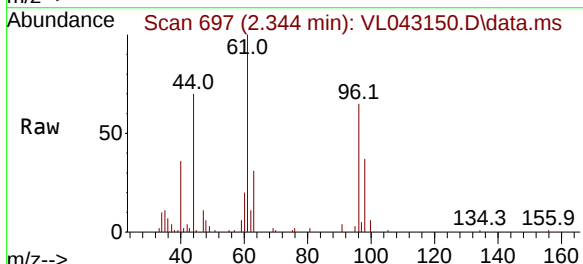
Manual Integrations
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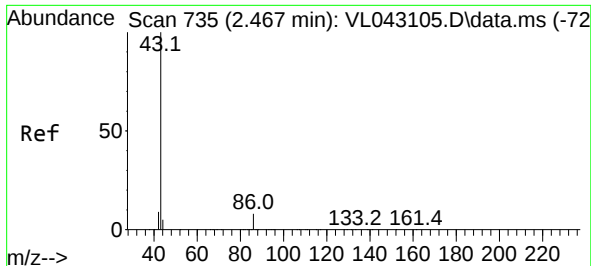
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.531 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

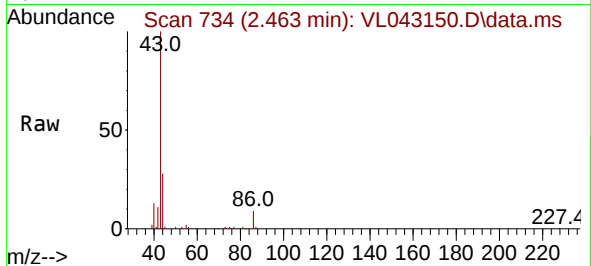
Tgt Ion: 96 Resp: 3567
 Ion Ratio Lower Upper
 96 100
 61 154.2 137.0 205.6
 98 57.4 45.5 68.3





#23
 Vinyl Acetate
 Concen: 0.532 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

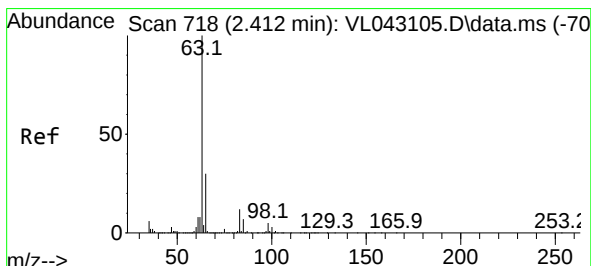
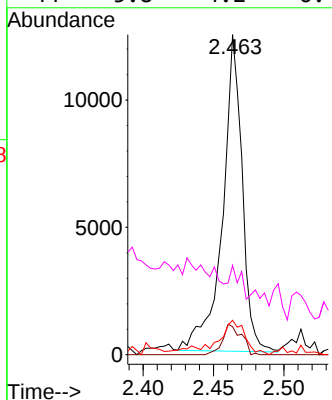
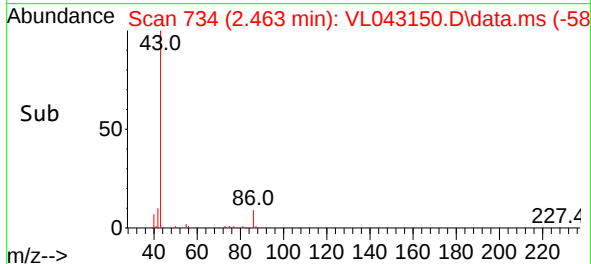


Tgt Ion: 43 Resp: 12089

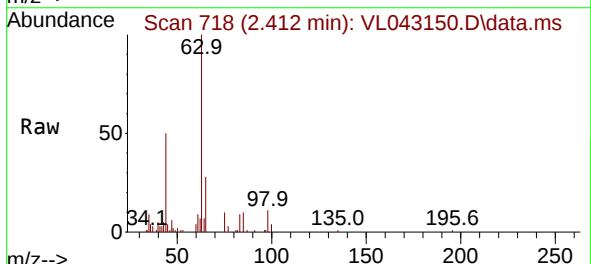
Ion	Ratio	Lower	Upper
43	100		
86	8.9	6.2	9.2
42	9.8	7.6	11.4
44	5.8	4.2	6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025

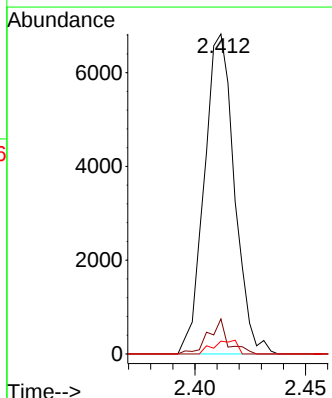
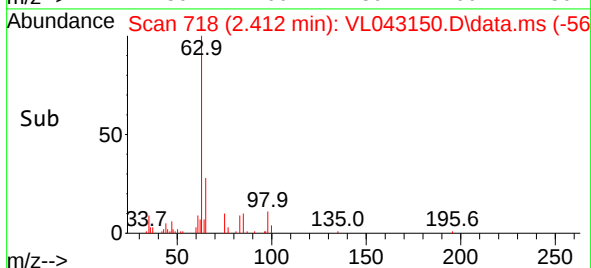


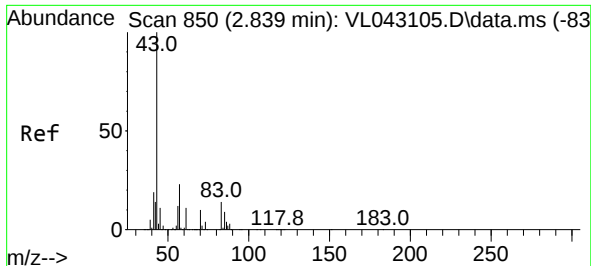
#24
 1,1-Dichloroethane
 Concen: 0.499 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55



Tgt Ion: 63 Resp: 6467

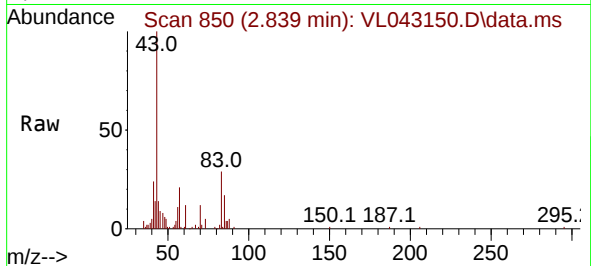
Ion	Ratio	Lower	Upper
63	100		
98	10.9	2.6	7.8#
100	4.0	1.5	4.4





#25
Ethyl Acetate
Concen: 0.407 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

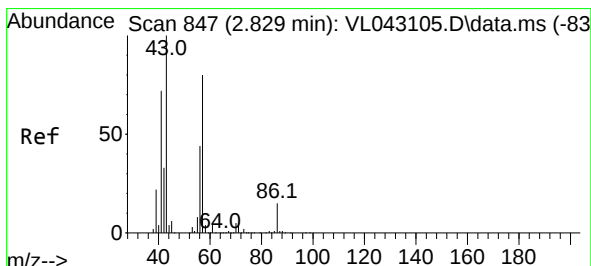
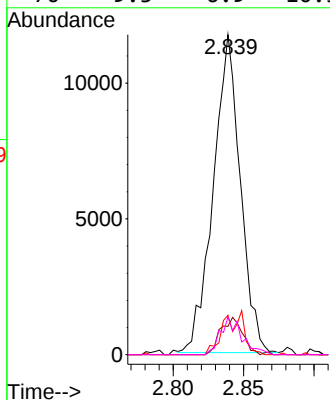
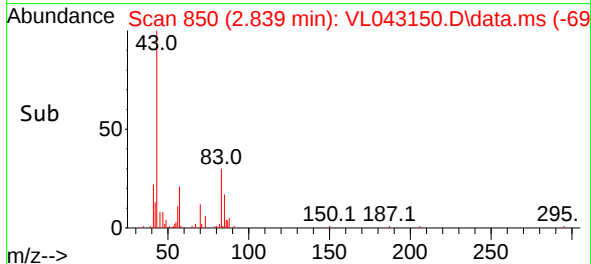


Tgt Ion: 43 Resp: 1564

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	10.4	7.0	10.6
70	9.3	6.9	10.3

Manual Integrations
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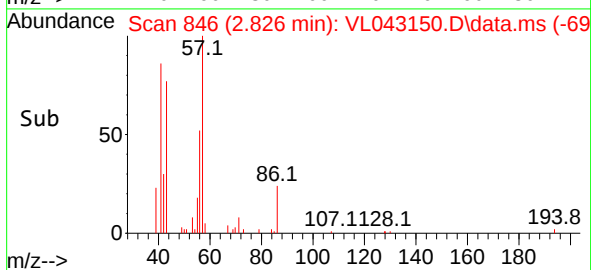
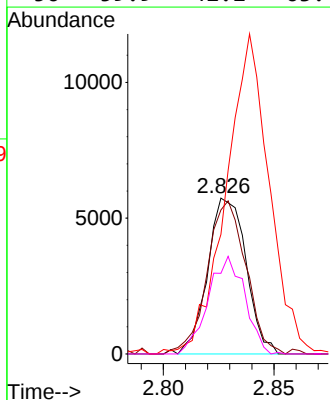
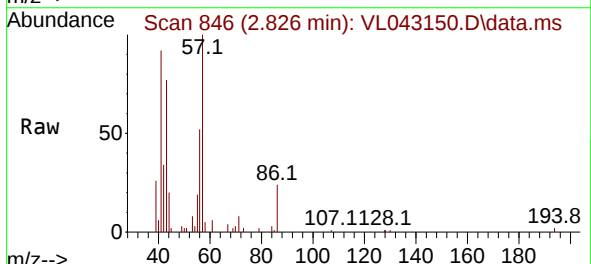
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

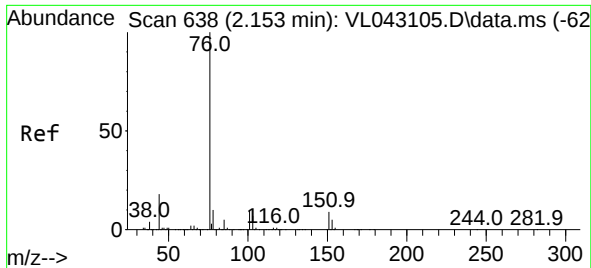


#26
Hexane
Concen: 0.390 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 57 Resp: 6915

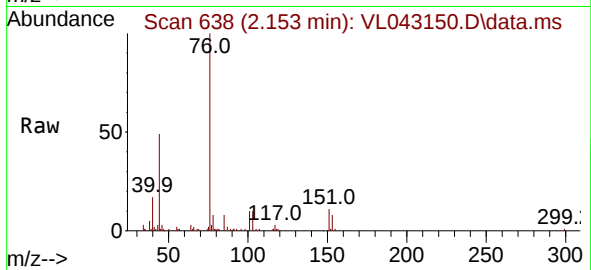
Ion	Ratio	Lower	Upper
57	100		
41	99.9	71.4	107.0
43	234.6	178.5	267.7
56	59.9	42.2	63.4





#27
Carbon Disulfide
Concen: 0.470 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

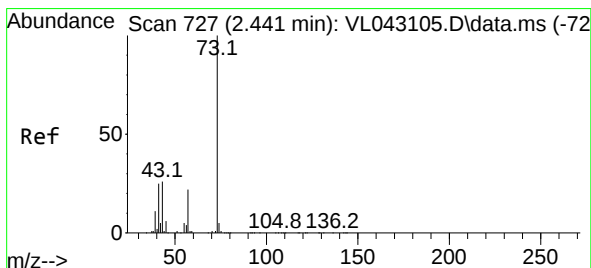
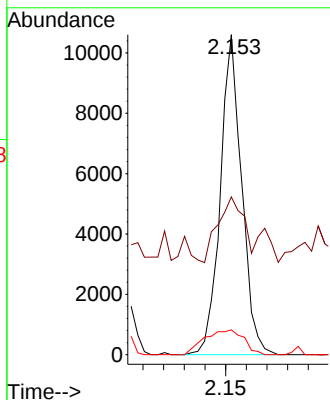
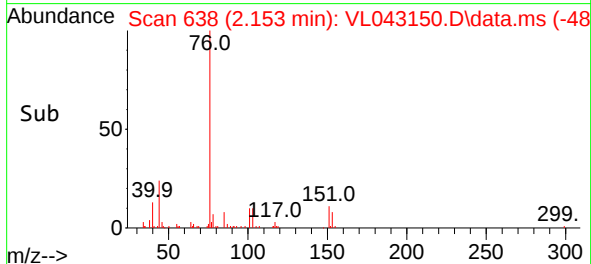
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



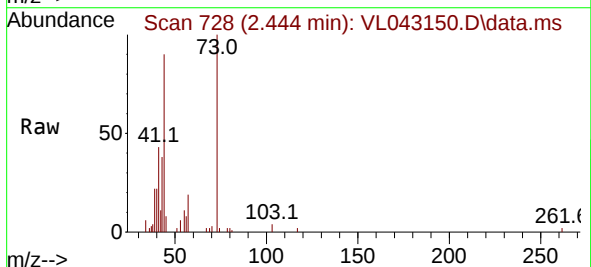
Tgt Ion: 76 Resp: 7630
Ion Ratio Lower Upper
76 100
44 167.8 16.7 25.1
78 14.2 9.3 13.9

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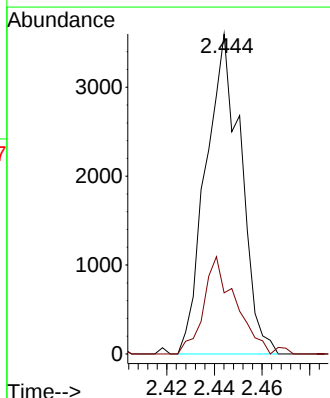
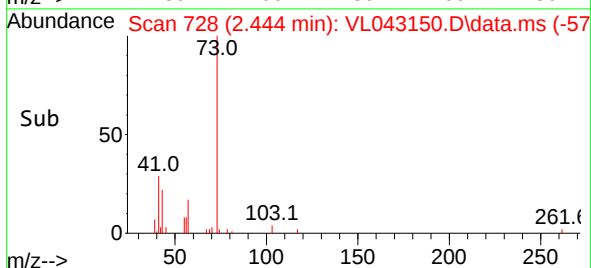
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

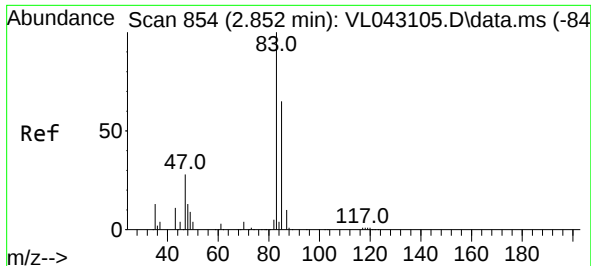


#28
Methyl tert-Butyl Ether
Concen: 0.456 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55



Tgt Ion: 73 Resp: 3677
Ion Ratio Lower Upper
73 100
57 28.3 20.5 30.7





#29

Chloroform

Concen: 0.485 ppbv

RT: 2.849 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 83 Resp: 1244

Ion Ratio Lower Upper

83 100

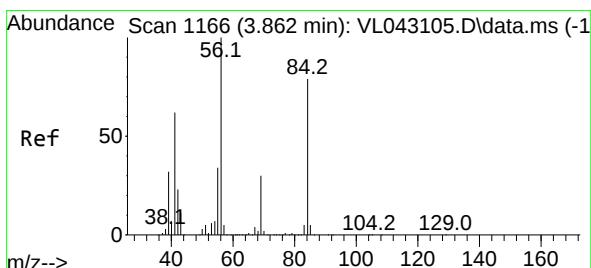
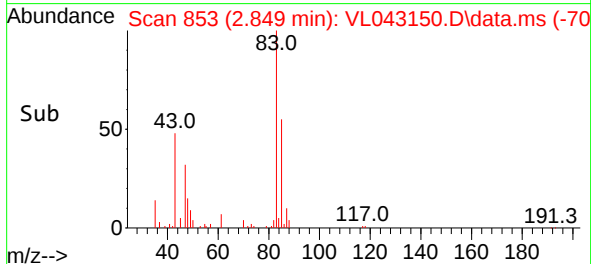
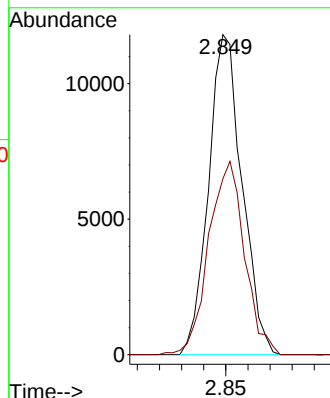
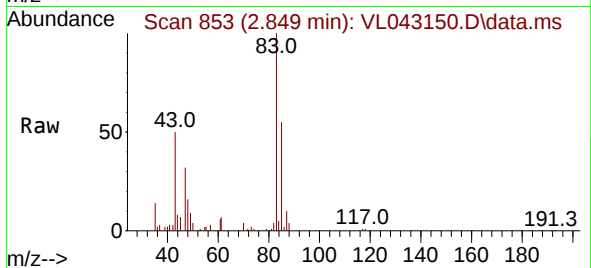
85 55.0 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#30

Cyclohexane

Concen: 0.373 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

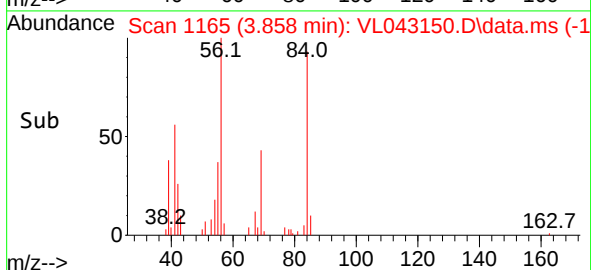
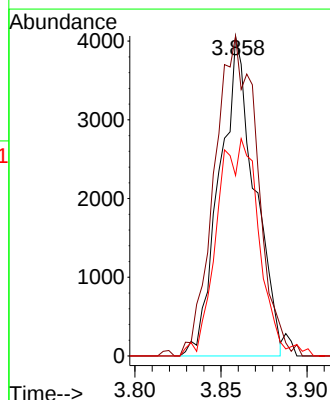
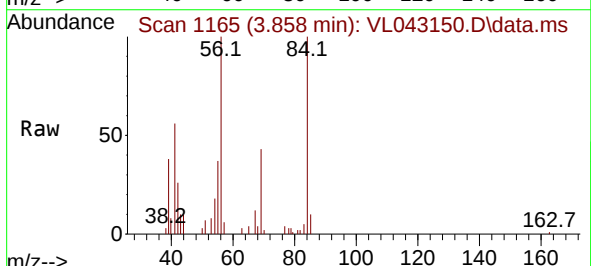
Tgt Ion: 84 Resp: 5766

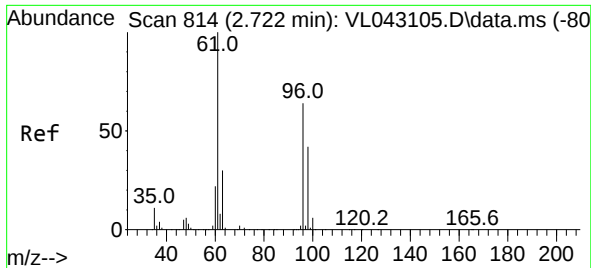
Ion Ratio Lower Upper

84 100

56 122.4 100.9 151.3

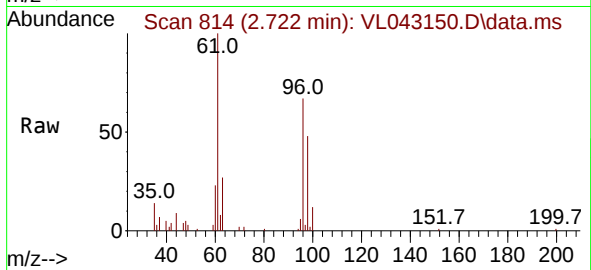
41 81.9 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.453 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55

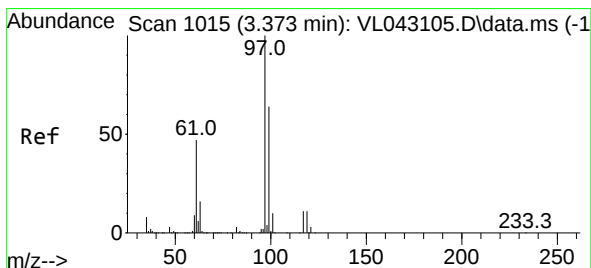
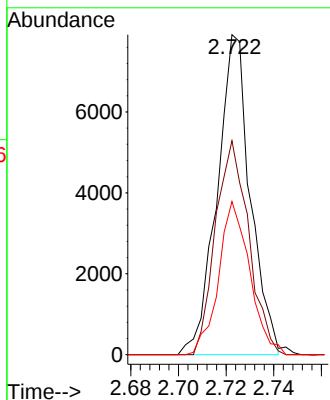
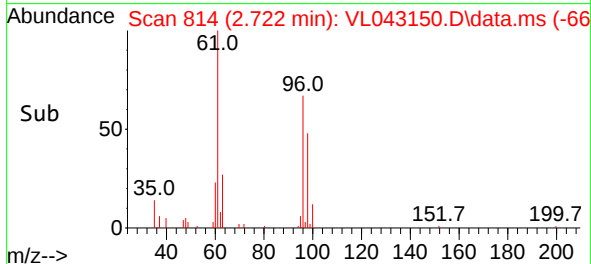
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025



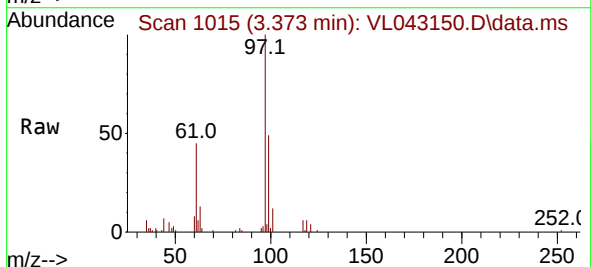
Tgt Ion: 61 Resp: 7660
 Ion Ratio Lower Upper
 61 100
 96 66.8 51.0 76.6
 98 47.9 33.5 50.3

Manual Integrations
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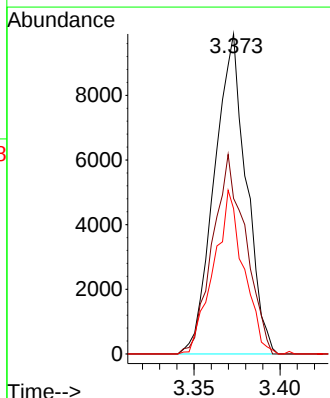
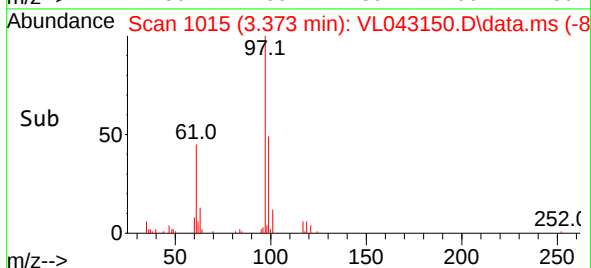
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025

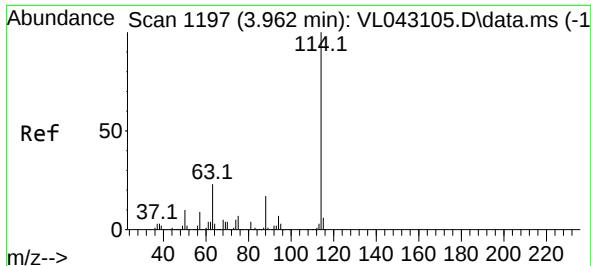


#32
 1,1,1-Trichloroethane
 Concen: 0.478 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043150.D
 Acq: 04 Nov 2025 11:55



Tgt Ion: 97 Resp: 12771
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.3 76.9
 61 48.5 38.4 57.6





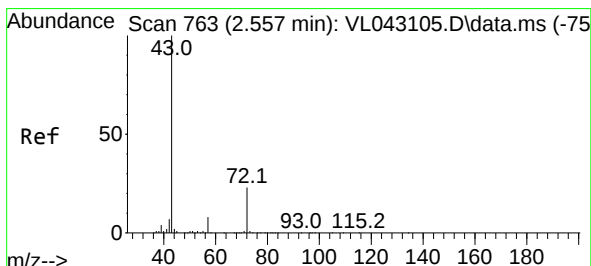
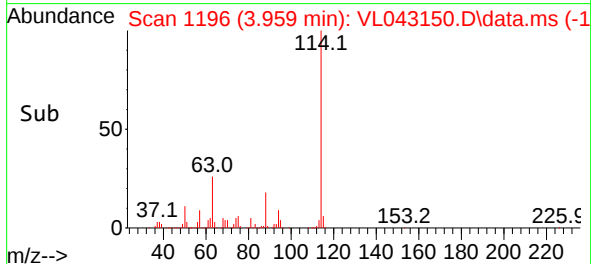
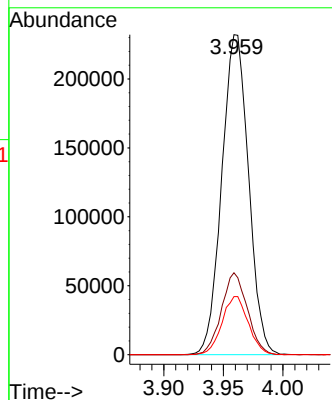
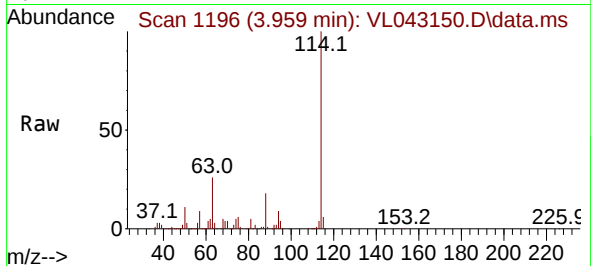
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:114 Resp: 36261
Ion Ratio Lower Upper
114 100
63 24.9 19.3 28.9
88 17.8 13.9 20.9

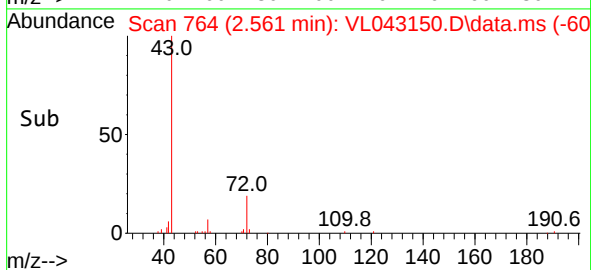
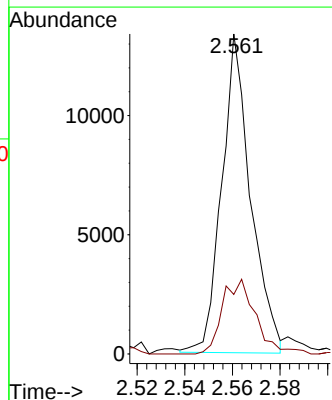
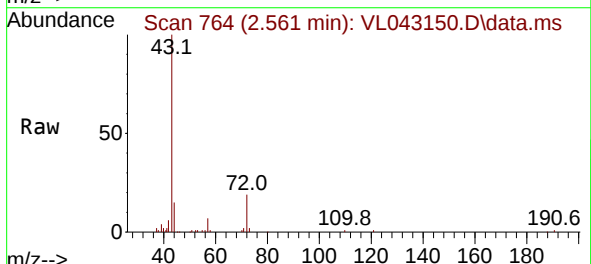
Manual Integrations
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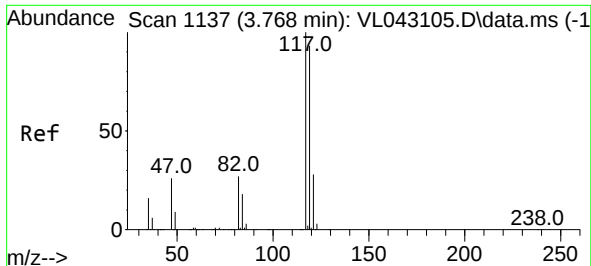
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#34
2-Butanone
Concen: 0.462 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

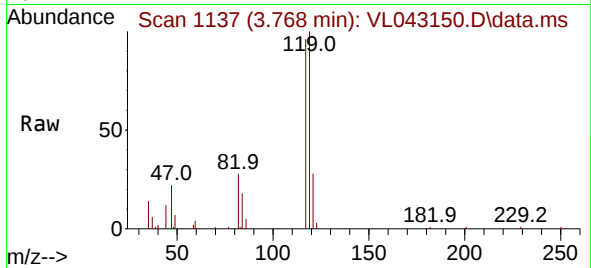
Tgt Ion: 43 Resp: 11264
Ion Ratio Lower Upper
43 100
72 27.4 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.496 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

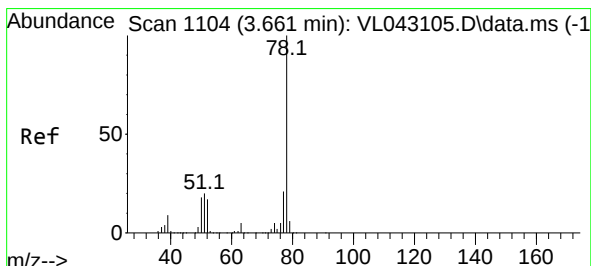
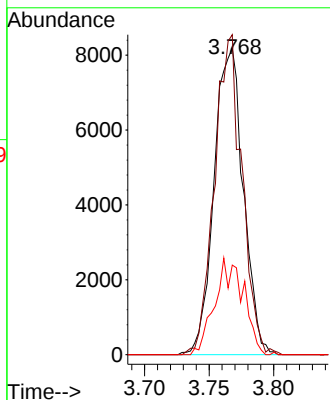
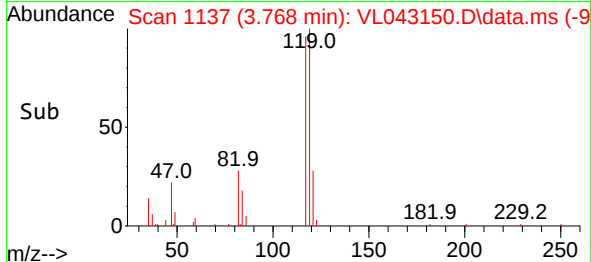
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 117 Resp: 12918
Ion Ratio Lower Upper
117 100
119 104.5 74.1 111.1
121 29.3 22.2 33.2

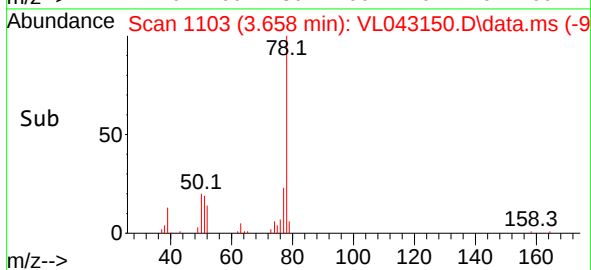
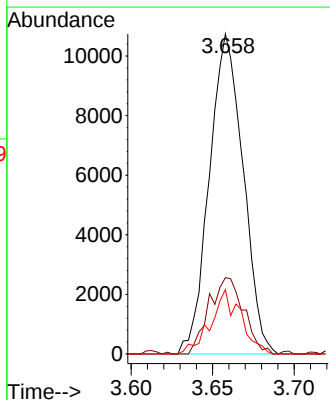
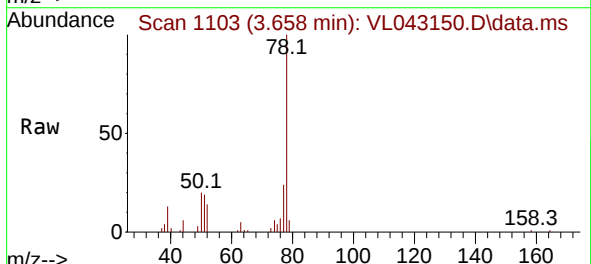
Manual Integrations
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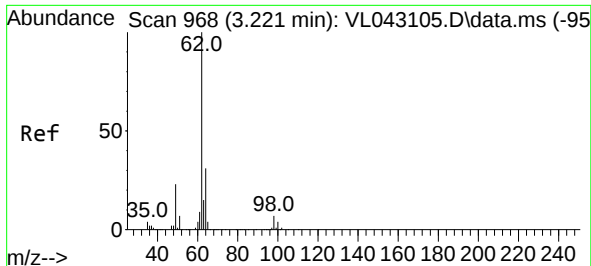
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#36
Benzene
Concen: 0.454 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

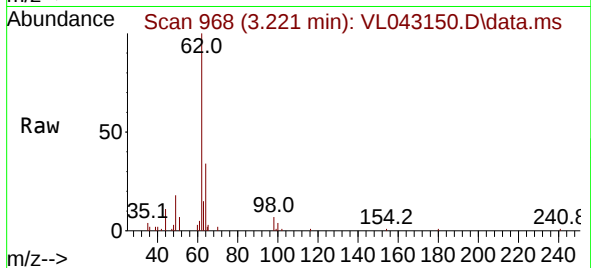
Tgt Ion: 78 Resp: 15489
Ion Ratio Lower Upper
78 100
77 23.9 17.0 25.6
50 20.1 14.6 22.0





#37
1,2-Dichloroethane
Concen: 0.515 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

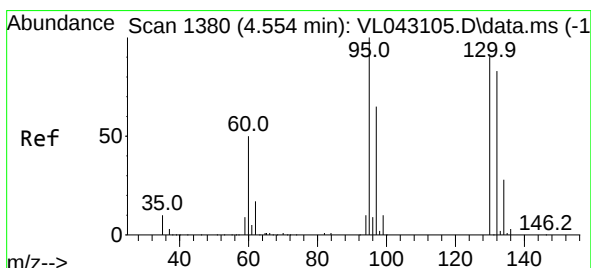
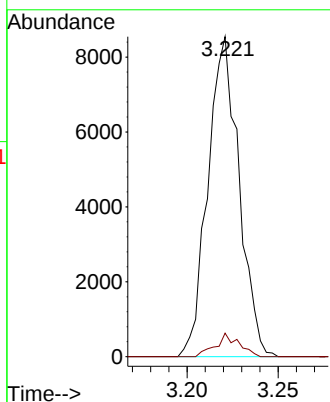
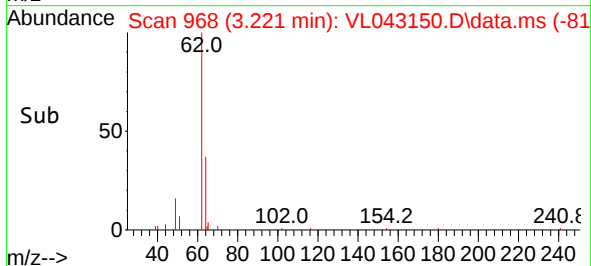
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 62 Resp: 1014
Ion Ratio Lower Upper
62 100
98 5.5 5.8 8.6

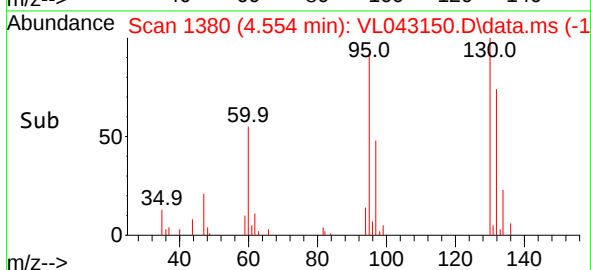
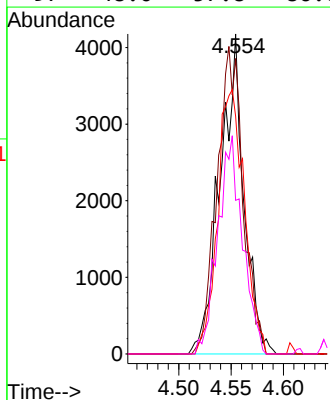
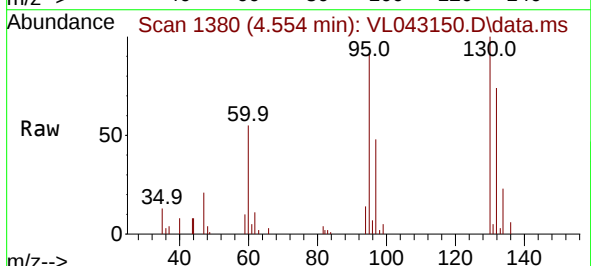
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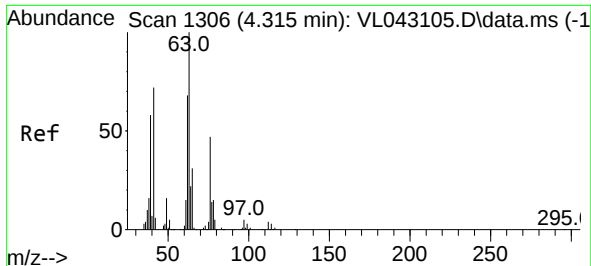
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#38
Trichloroethene
Concen: 0.463 ppbv m
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:130 Resp: 6611
Ion Ratio Lower Upper
130 100
95 92.3 88.6 133.0
132 74.3 73.4 110.0
97 48.0 57.8 86.6#





#39

1,2-Dichloropropane

Concen: 0.445 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

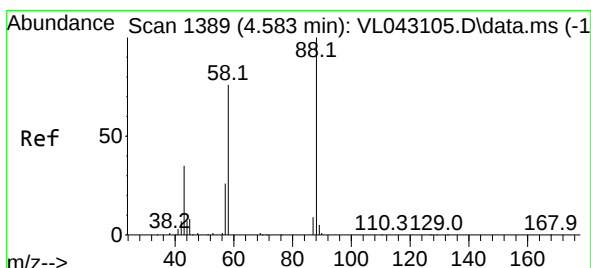
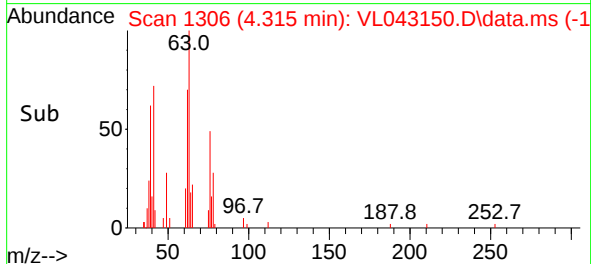
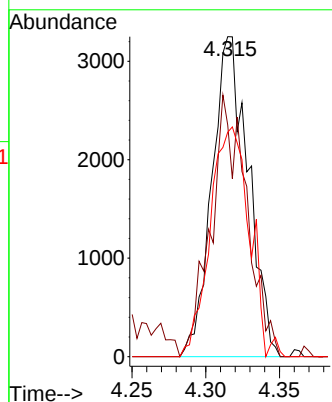
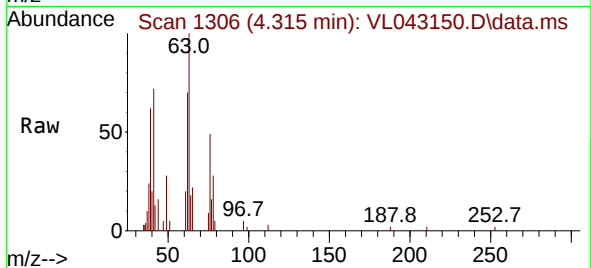
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 63	Resp: 555
Ion Ratio	Lower Upper
63 100	
41 72.4	58.0 87.0
62 70.2	54.7 82.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#40

1,4-Dioxane

Concen: 0.409 ppbv m

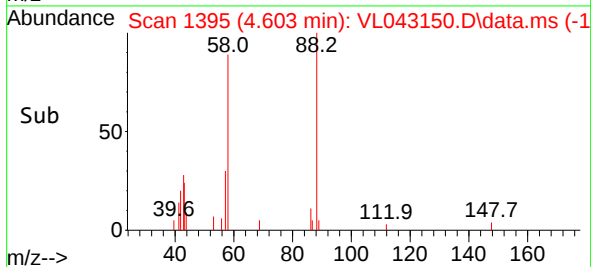
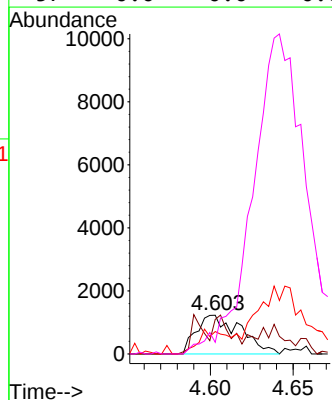
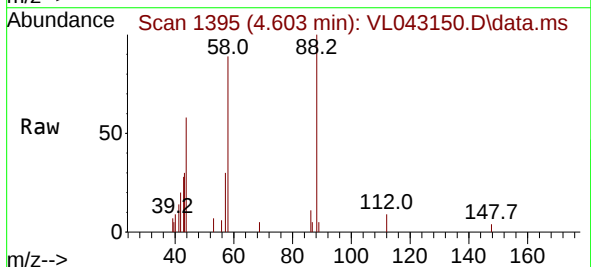
RT: 4.603 min Scan# 1395

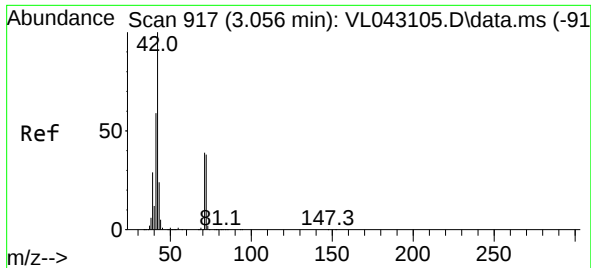
Delta R.T. 0.019 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

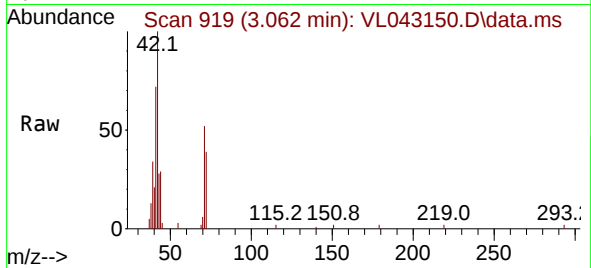
Tgt Ion: 88	Resp: 2286
Ion Ratio	Lower Upper
88 100	
58 73.6	61.1 91.7
43 0.0	24.0 36.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.359 ppbv
RT: 3.062 min Scan# 917
Delta R.T. 0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

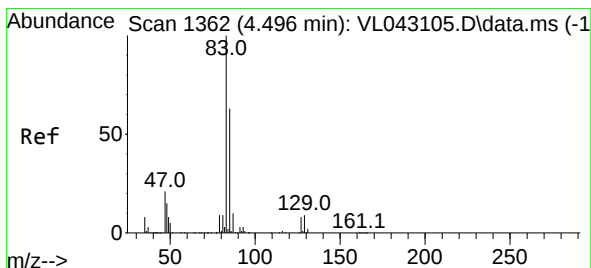
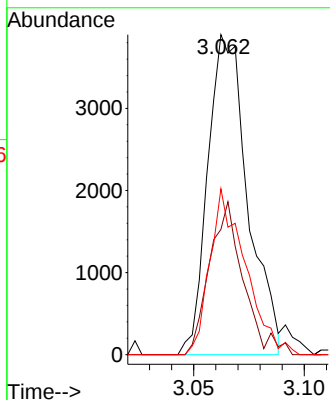
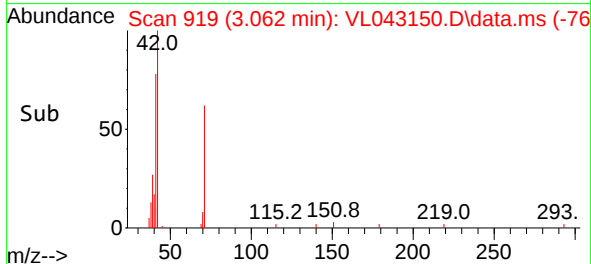
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 42 Resp: 4889
Ion Ratio Lower Upper
42 100
72 40.4 31.3 46.9
71 46.1 30.4 45.6

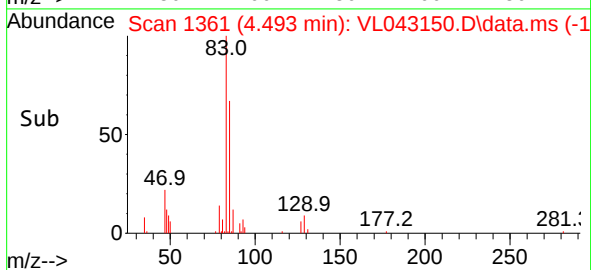
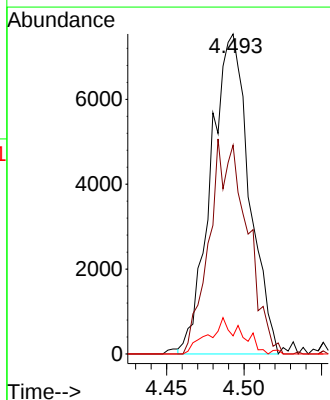
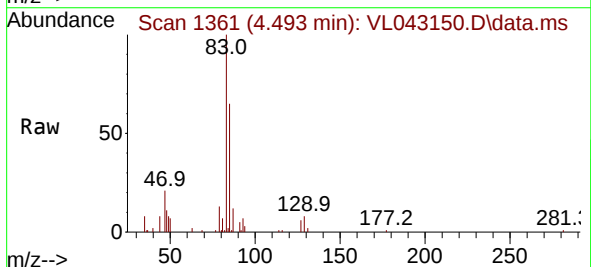
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#42
Bromodichloromethane
Concen: 0.479 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 83 Resp: 13046
Ion Ratio Lower Upper
83 100
85 65.2 50.6 75.8
127 5.7 6.3 9.5





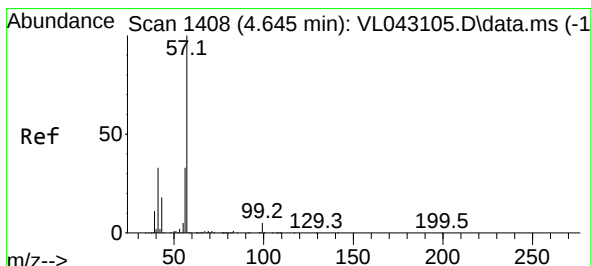
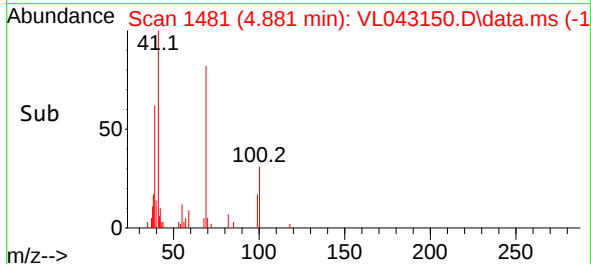
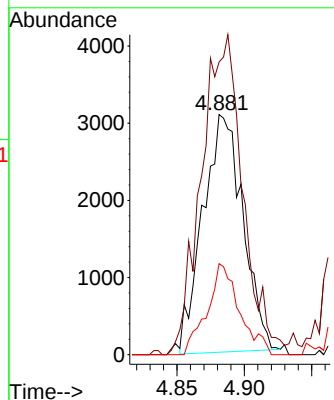
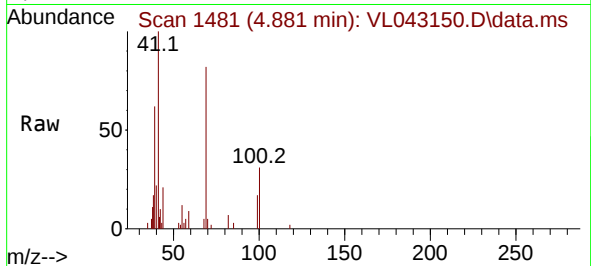
#43
Methyl Methacrylate
Concen: 0.367 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 69 Resp: 6358
Ion Ratio Lower Upper
69 100
41 139.6 120.5 180.7
100 31.1 29.0 43.4

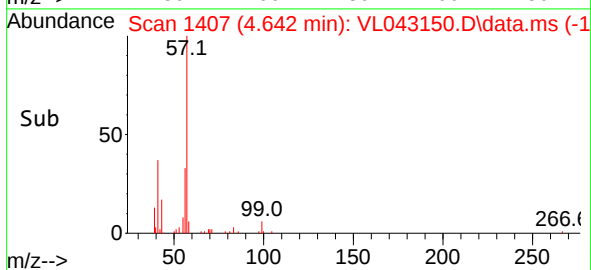
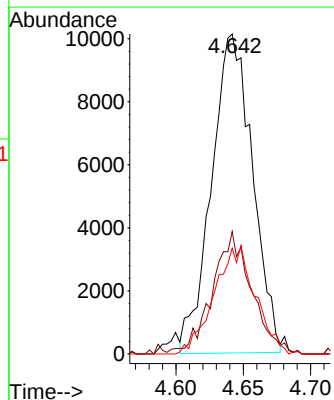
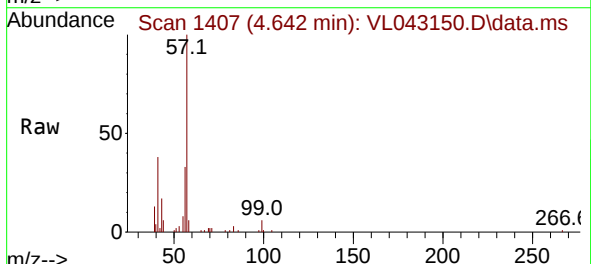
Manual Integrations
APPROVED

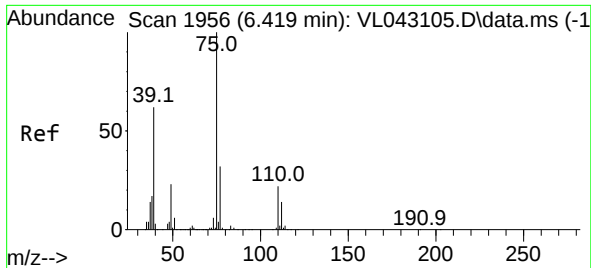
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#44
2,2,4-Trimethylpentane
Concen: 0.373 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 57 Resp: 21476
Ion Ratio Lower Upper
57 100
41 37.2 26.3 39.5
56 34.0 25.9 38.9





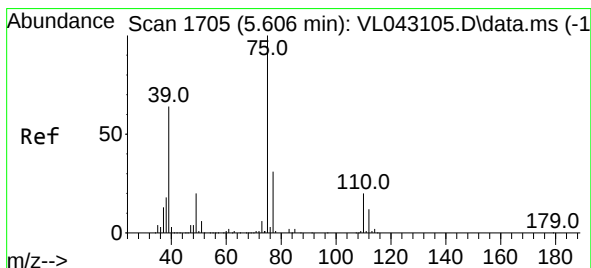
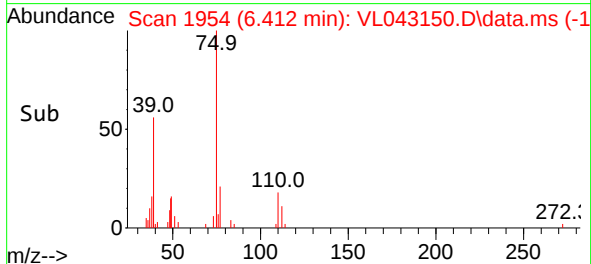
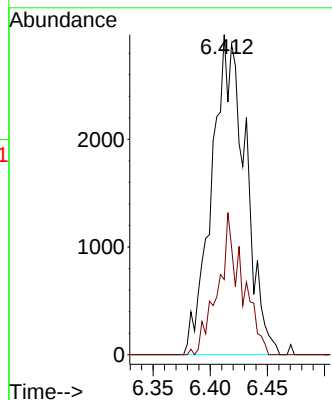
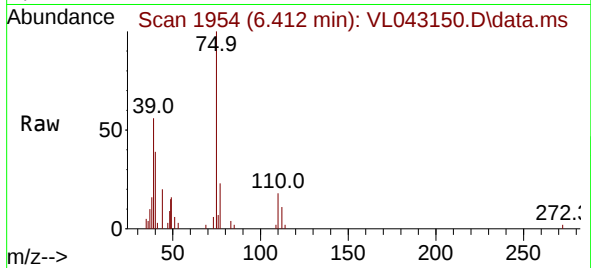
#45
t-1,3-Dichloropropene
Concen: 0.352 ppbv m
RT: 6.412 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 75 Resp: 6120
Ion Ratio Lower Upper
75 100
77 23.5 25.4 38.2

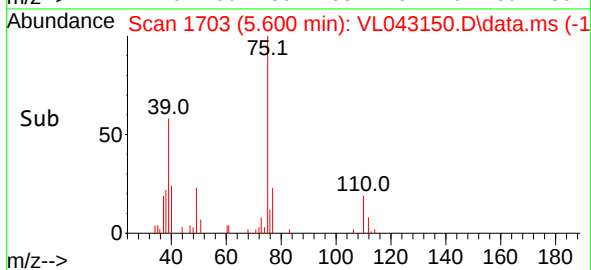
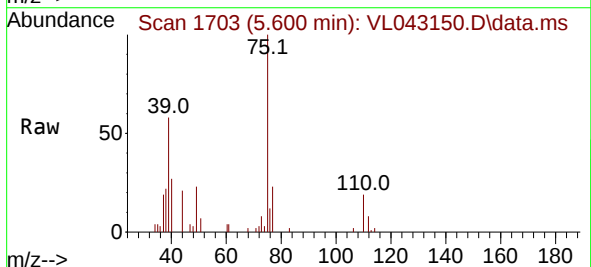
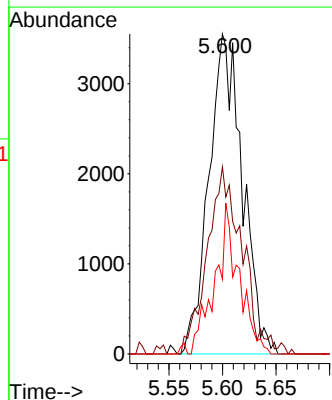
Manual Integrations
APPROVED

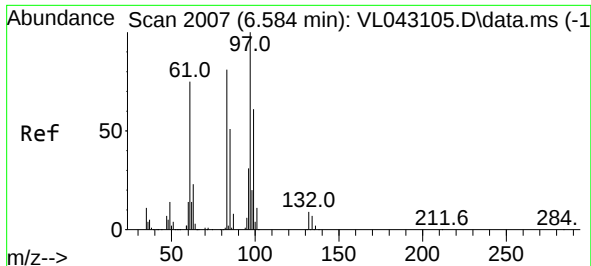
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#46
cis-1,3-Dichloropropene
Concen: 0.372 ppbv m
RT: 5.600 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 75 Resp: 7744
Ion Ratio Lower Upper
75 100
39 58.4 51.0 76.6
77 23.4 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 0.480 ppbv

RT: 6.577 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

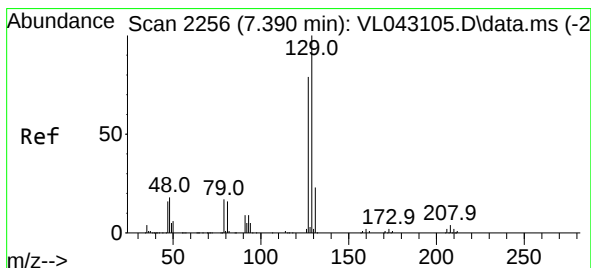
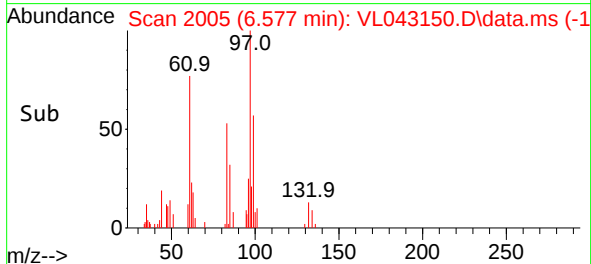
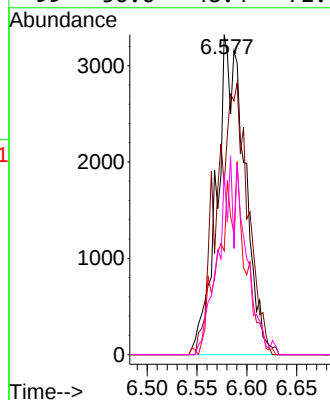
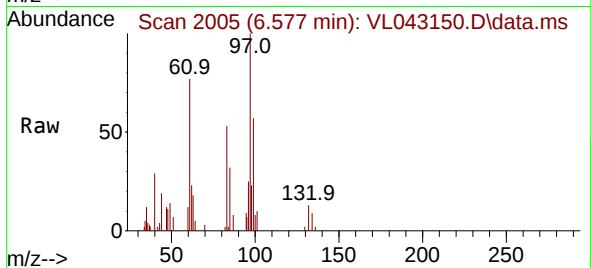
Tgt Ion: 97	Resp: 646
Ion Ratio	Lower Upper
97 100	
83 53.1	64.6 96.8
85 32.5	40.6 60.8
99 56.6	48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#48

Dibromochloromethane

Concen: 0.454 ppbv

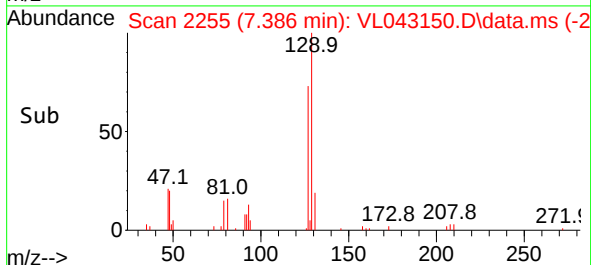
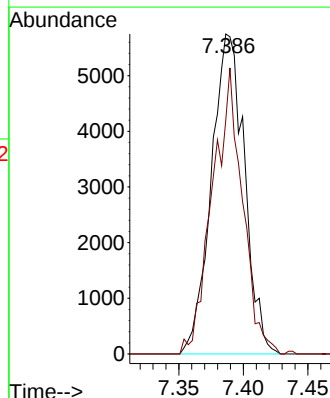
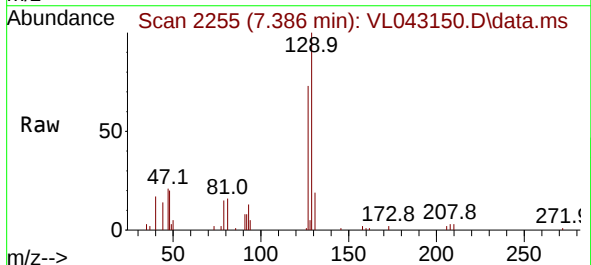
RT: 7.386 min Scan# 2255

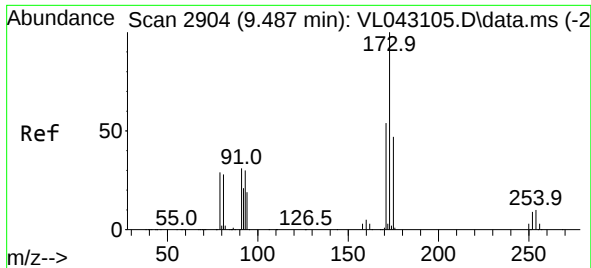
Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

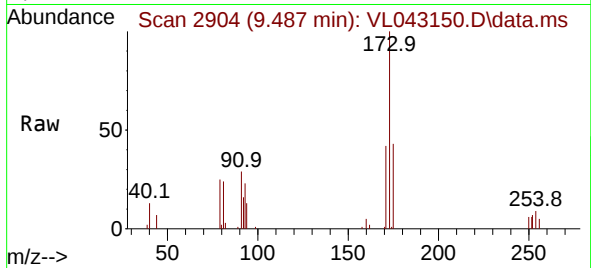
Tgt Ion:129	Resp: 10231
Ion Ratio	Lower Upper
129 100	
127 81.2	39.3 117.9





#49
Bromoform
Concen: 0.449 ppbv m
RT: 9.487 min Scan# 2904
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

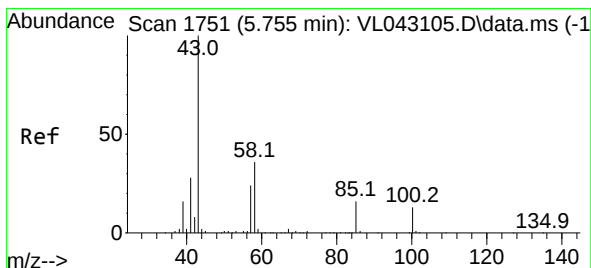
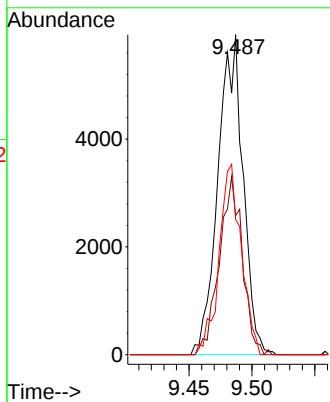
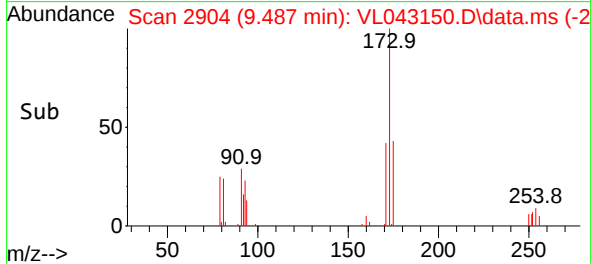
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 173 Resp: 823
Ion Ratio Lower Upper
173 100
175 0.0 38.8 58.2
171 0.0 41.7 62.5

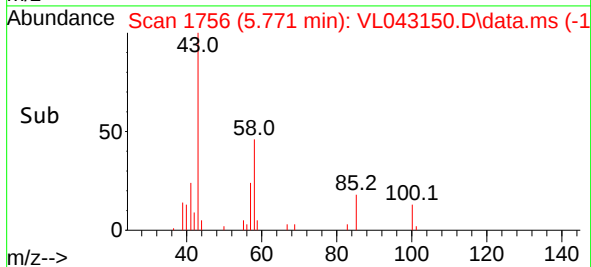
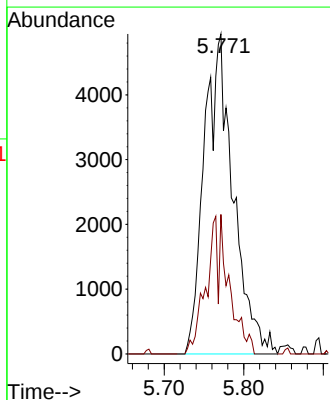
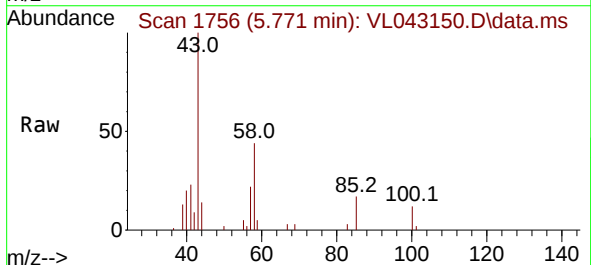
Manual Integrations
APPROVED

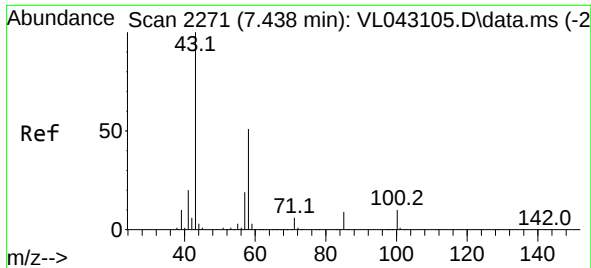
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#50
4-Methyl-2-Pentanone
Concen: 0.372 ppbv m
RT: 5.771 min Scan# 1756
Delta R.T. 0.016 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 43 Resp: 12528
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7





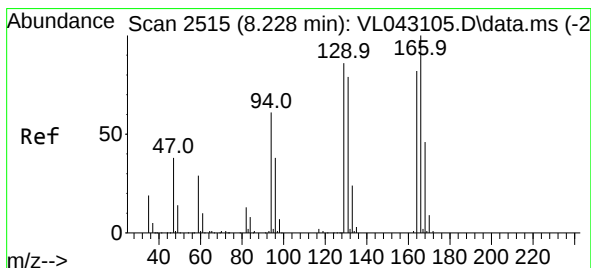
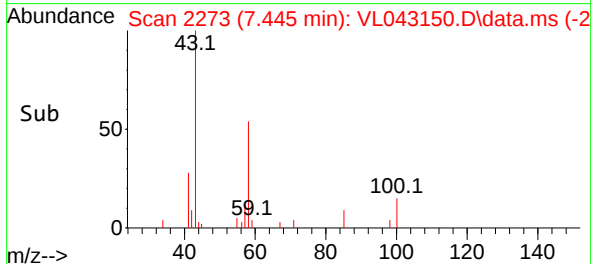
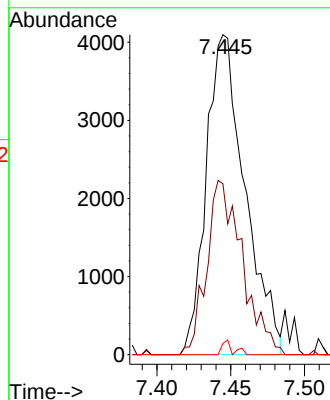
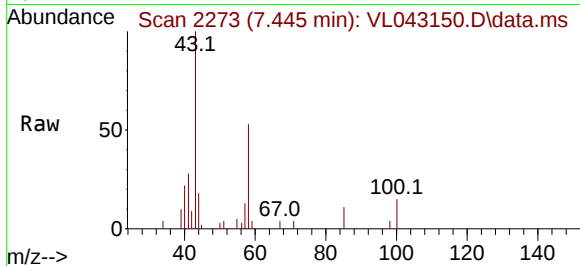
#51
2-Hexanone
Concen: 0.297 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
58 50.1 40.4 60.6
98 1.2 0.1 0.1

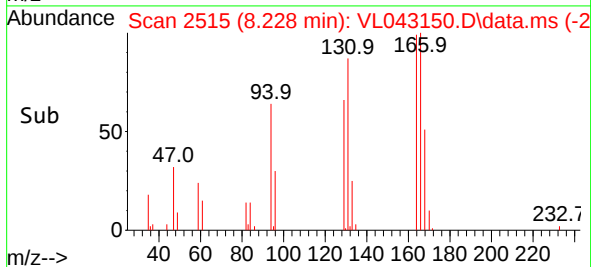
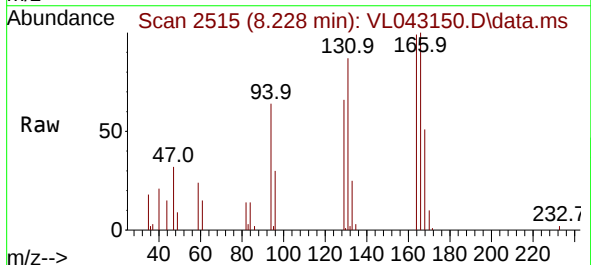
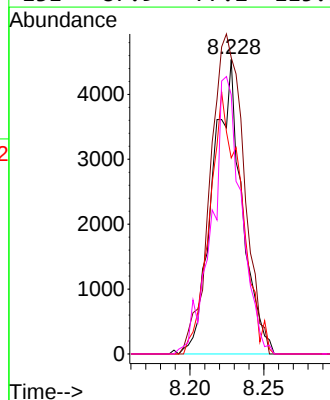
Manual Integrations
APPROVED

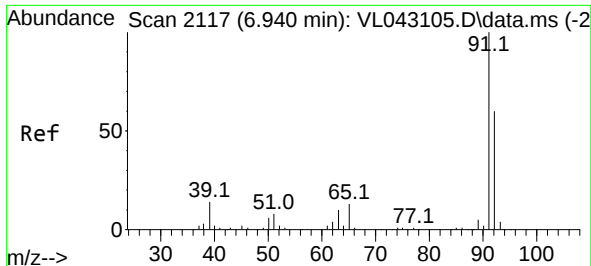
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#52
Tetrachloroethene
Concen: 0.506 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

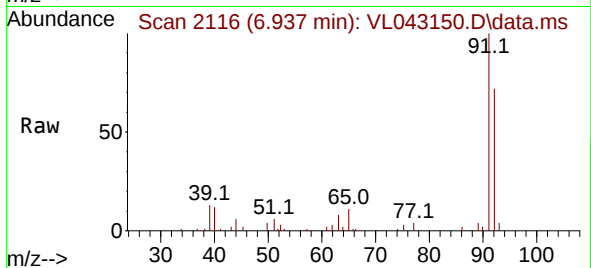
Tgt Ion:164 Resp: 6235
Ion Ratio Lower Upper
164 100
166 100.6 97.6 146.4
129 66.5 84.5 126.7#
131 87.9 77.2 115.8





#53
Toluene
Concen: 0.354 ppbv m
RT: 6.937 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

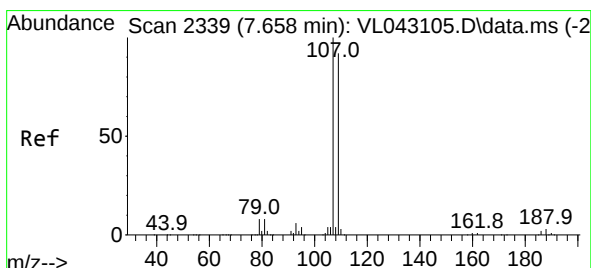
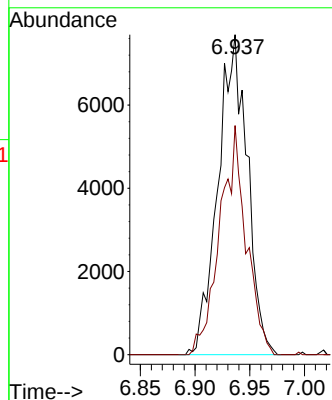
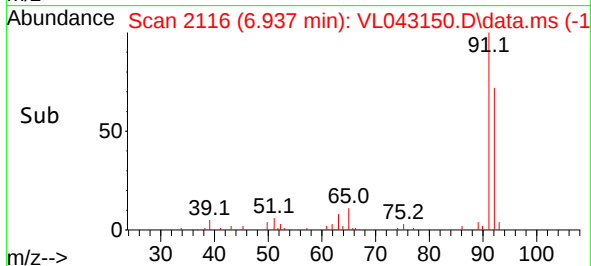
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



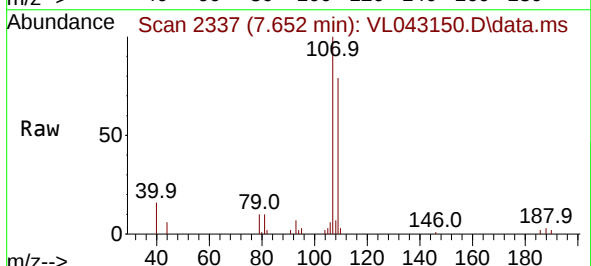
Tgt Ion: 91 Resp: 14339
Ion Ratio Lower Upper
91 100
92 64.3 48.8 73.2

Manual Integrations
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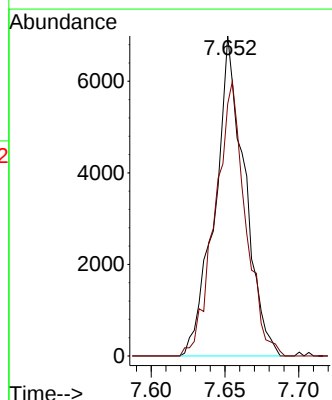
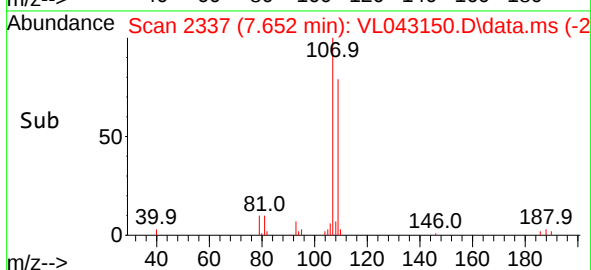
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

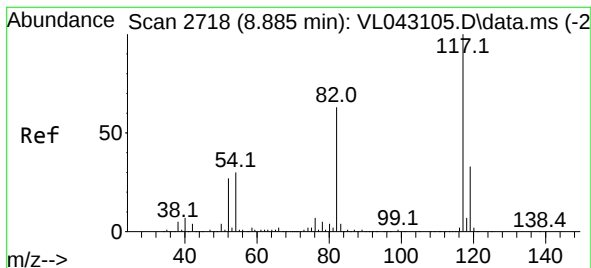


#54
1,2-Dibromoethane
Concen: 0.464 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55



Tgt Ion:107 Resp: 9798
Ion Ratio Lower Upper
107 100
109 78.8 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2718

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

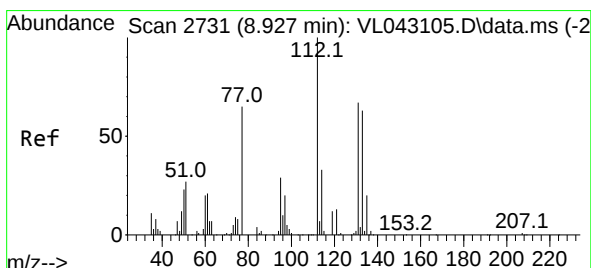
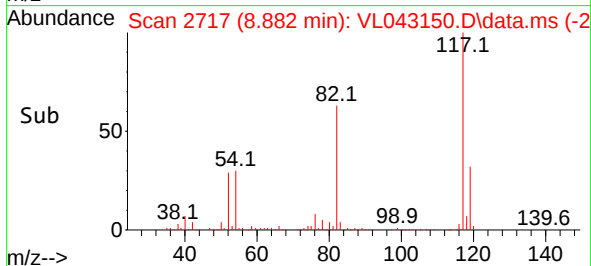
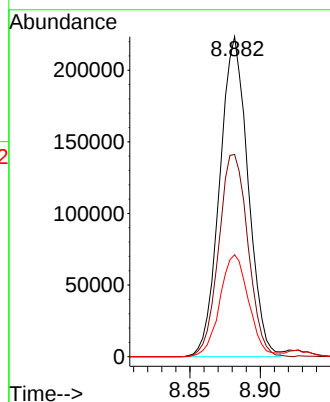
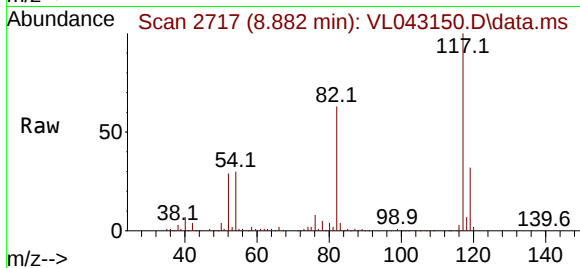
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:117	Resp:	31320
Ion Ratio	Lower	Upper
117	100	
82	65.5	53.8 80.8
119	34.2	25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.516 ppbv

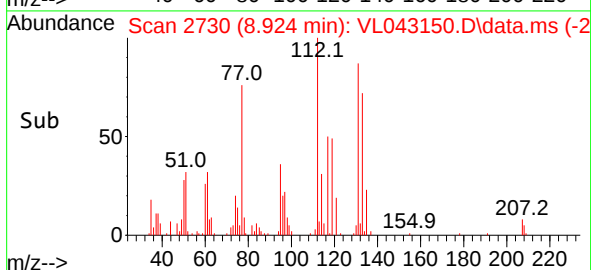
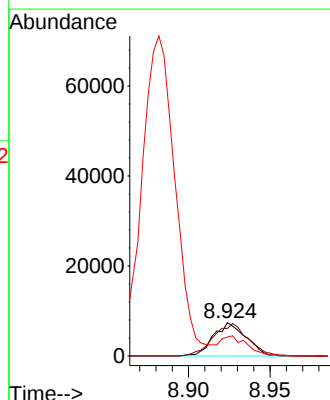
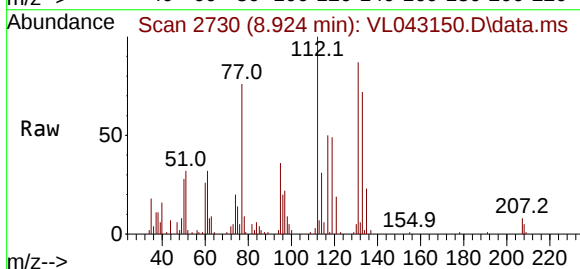
RT: 8.924 min Scan# 2730

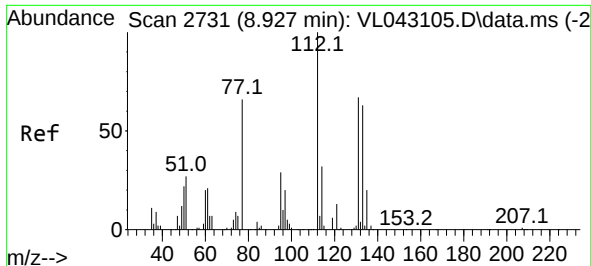
Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Tgt Ion:131	Resp:	10189
Ion Ratio	Lower	Upper
131	100	
133	105.0	75.7 113.5
119	1049.7	50.6 76.0#





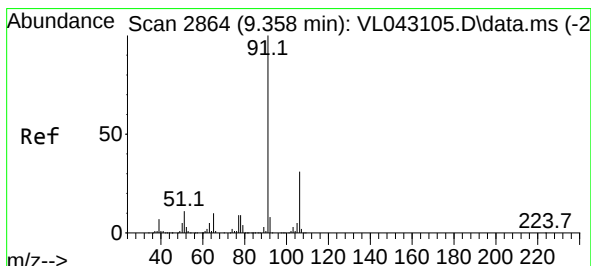
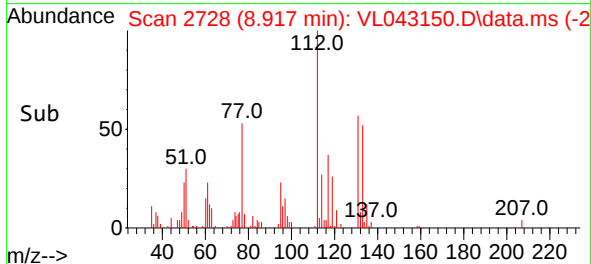
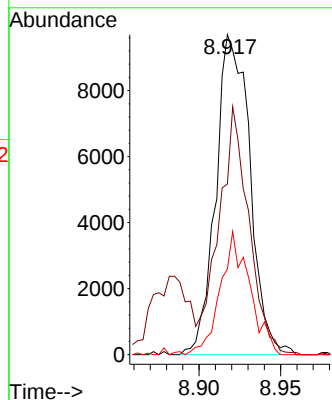
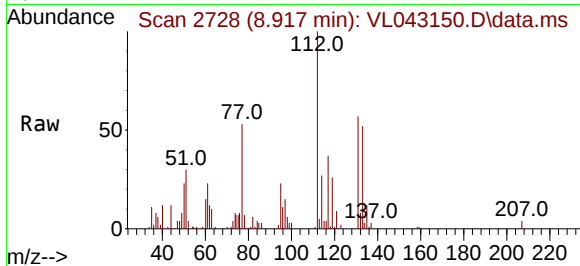
#57
Chlorobenzene
Concen: 0.478 ppbv
RT: 8.917 min Scan# 2731
Delta R.T. -0.010 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 112 Resp: 1401
Ion Ratio Lower Upper
112 100
77 52.0 53.3 79.9
114 26.8 29.3 35.8

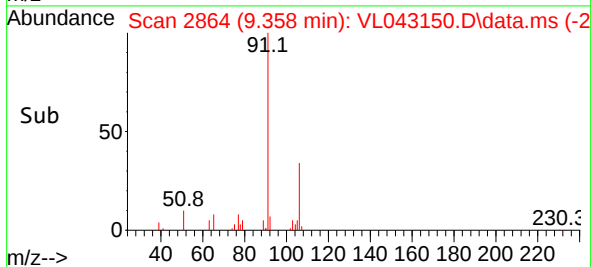
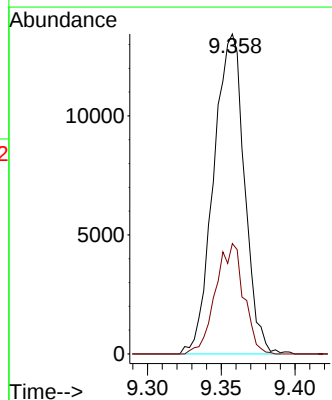
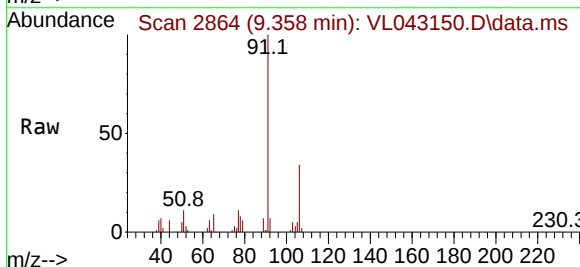
Manual Integrations
APPROVED

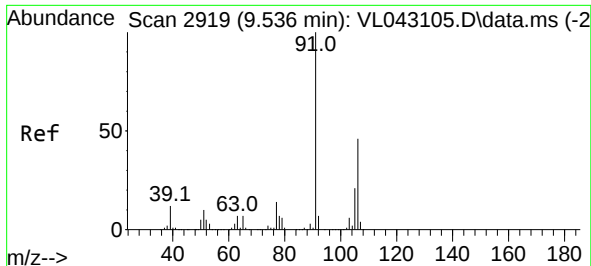
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#58
Ethyl Benzene
Concen: 0.363 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

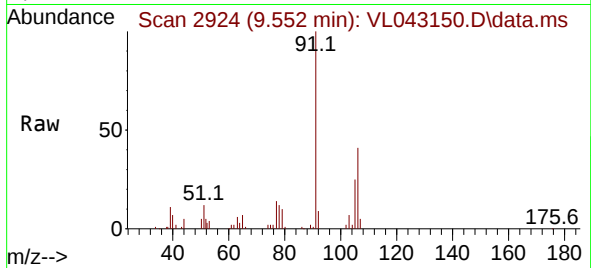
Tgt Ion: 91 Resp: 19508
Ion Ratio Lower Upper
91 100
106 34.5 24.8 37.2





#59
m/p-Xylene
Concen: 0.730 ppbv m
RT: 9.552 min Scan# 2919
Delta R.T. 0.016 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

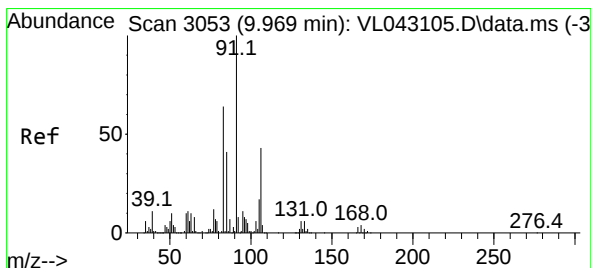
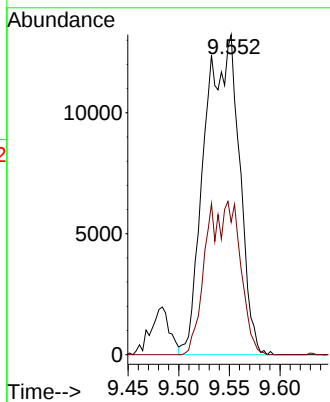
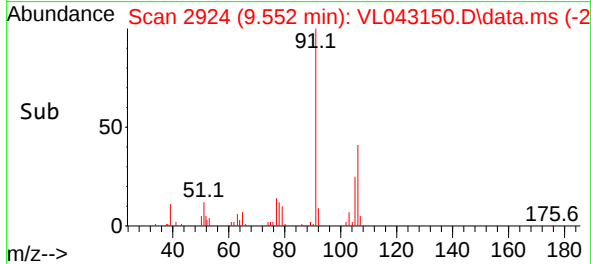
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 91 Resp: 31319
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

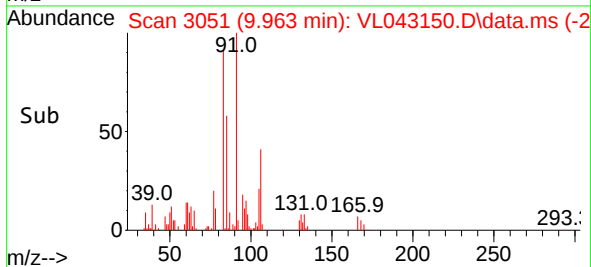
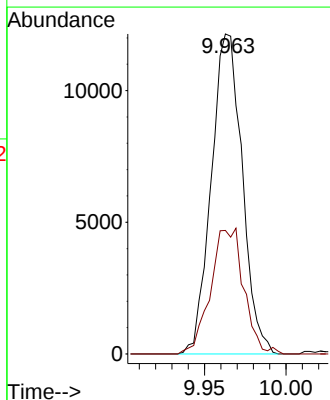
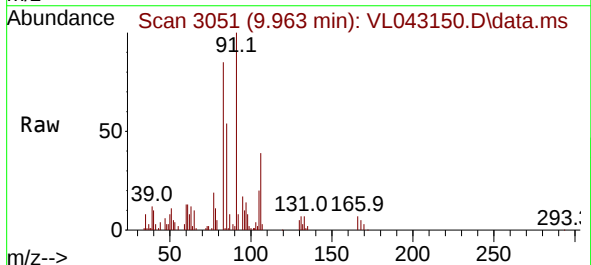
Manual Integrations
APPROVED

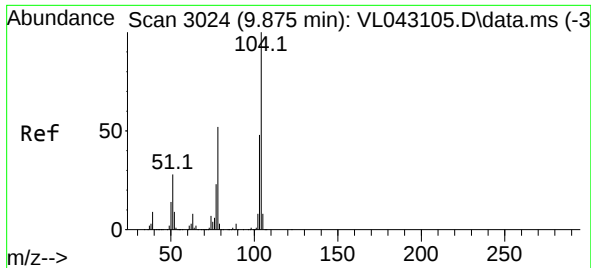
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#60
o-Xylene
Concen: 0.378 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 91 Resp: 16019
Ion Ratio Lower Upper
91 100
106 42.1 21.9 65.8





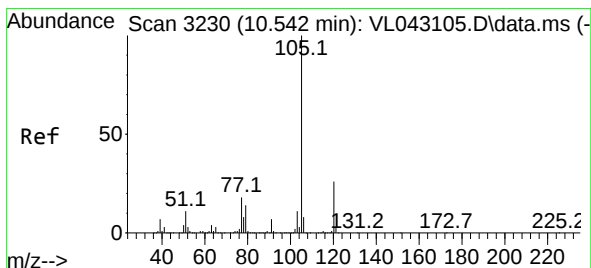
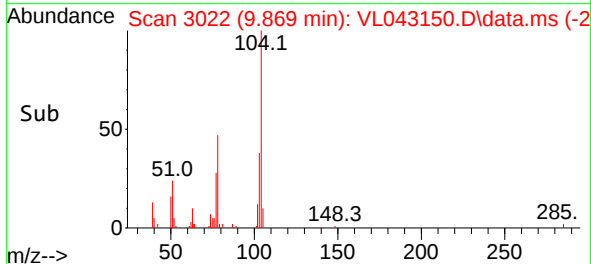
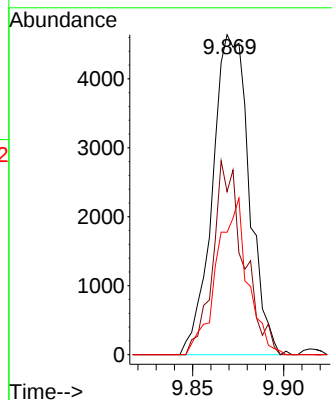
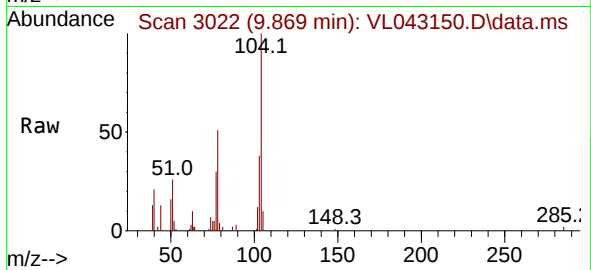
#61
Styrene
Concen: 0.340 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2025

Tgt Ion:104 Resp: 6498
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 41.2 36.9 55.3

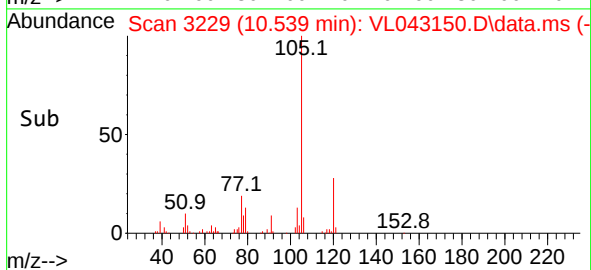
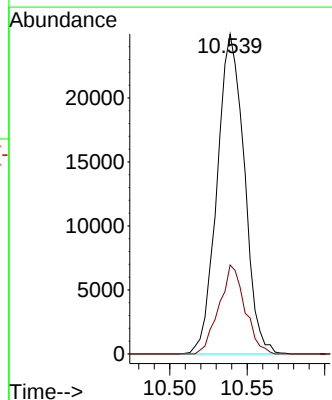
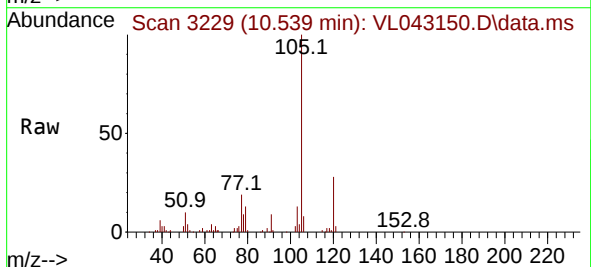
Manual Integrations
APPROVED

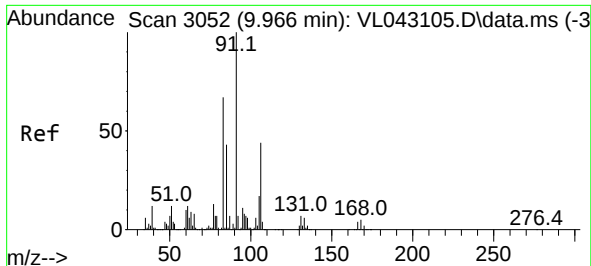
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#62
Isopropylbenzene
Concen: 0.399 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:105 Resp: 30545
Ion Ratio Lower Upper
105 100
120 26.5 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.462 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

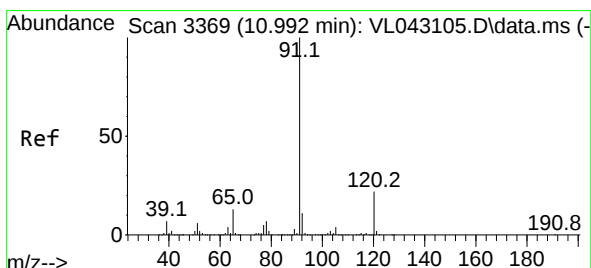
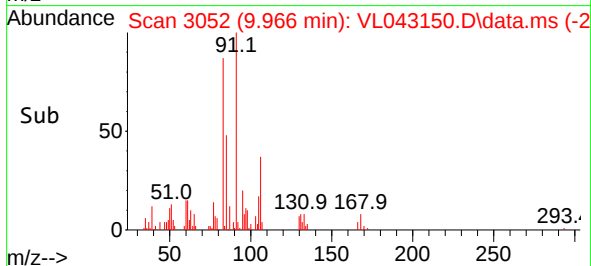
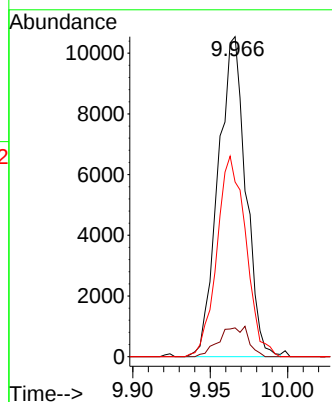
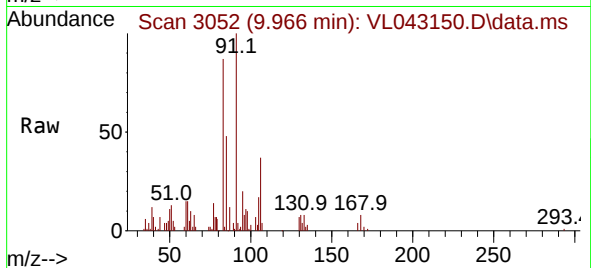
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:	83	Resp:	1311
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.8	14.3
85	65.5	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#64

n-propylbenzene

Concen: 0.378 ppbv

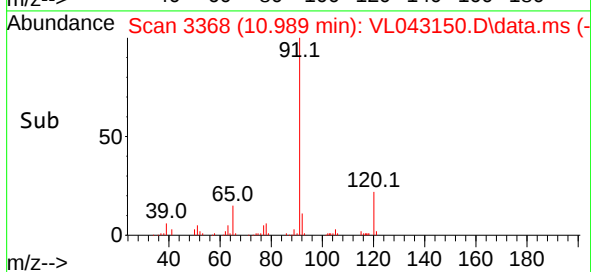
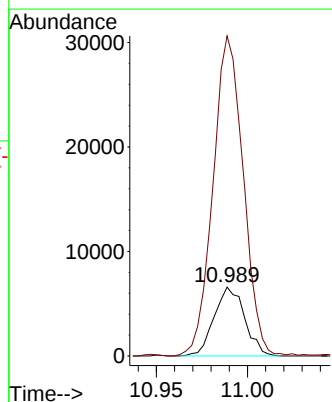
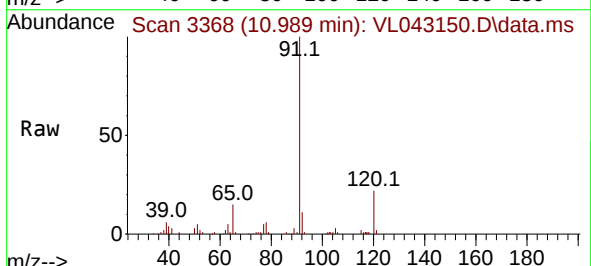
RT: 10.989 min Scan# 3368

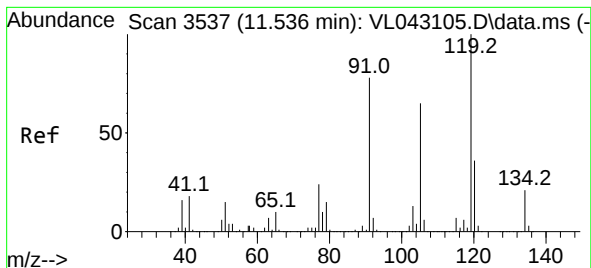
Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Tgt Ion:	120	Resp:	7654
Ion Ratio	Lower	Upper	
120	100		
91	465.8	361.6	542.4





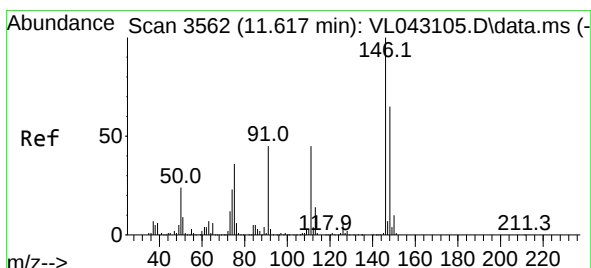
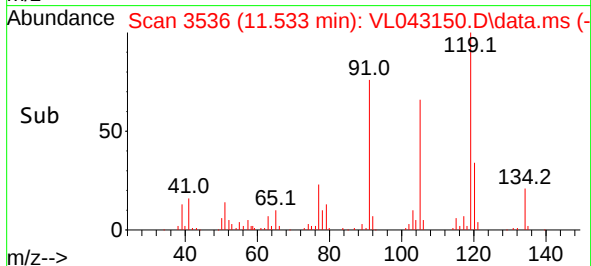
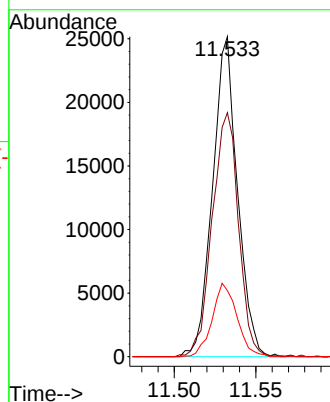
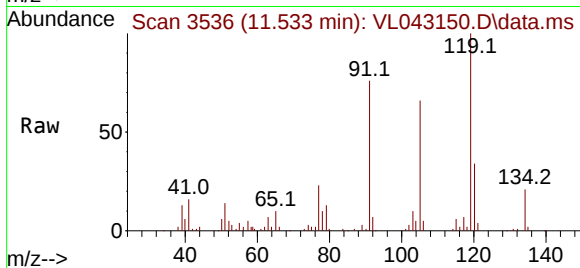
#65
tert-Butylbenzene
Concen: 0.396 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 119 Resp: 26729
Ion Ratio Lower Upper
119 100
91 80.5 63.4 95.0
134 22.8 17.3 25.9

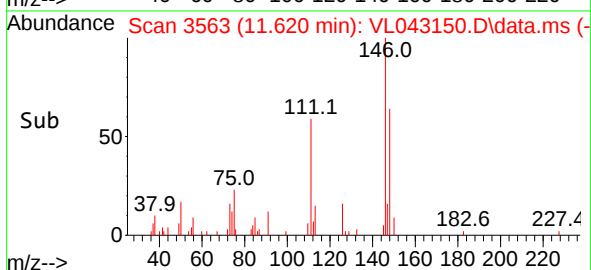
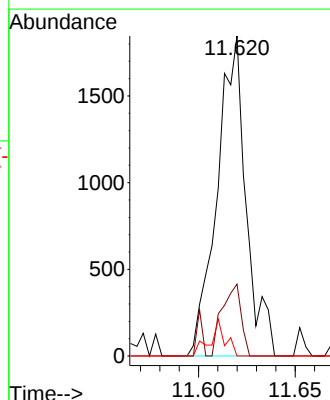
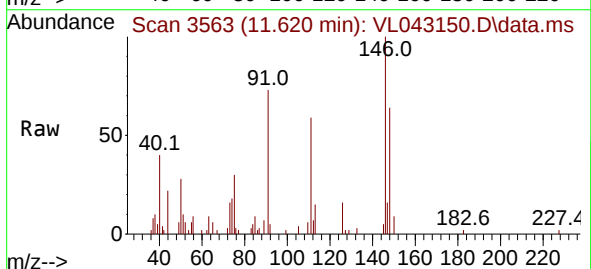
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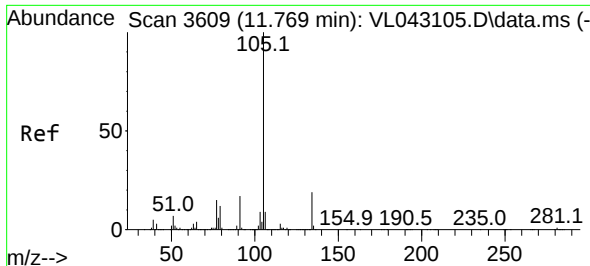
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#66
Benzyl Chloride
Concen: 0.257 ppbv m
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion: 91 Resp: 1929
Ion Ratio Lower Upper
91 100
126 17.4 14.6 22.0
128 6.0 4.6 6.8





#67

sec-Butylbenzene

Concen: 0.419 ppbv

RT: 11.766 min Scan# 3016

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion:105 Resp: 40169

Ion Ratio Lower Upper

105 100

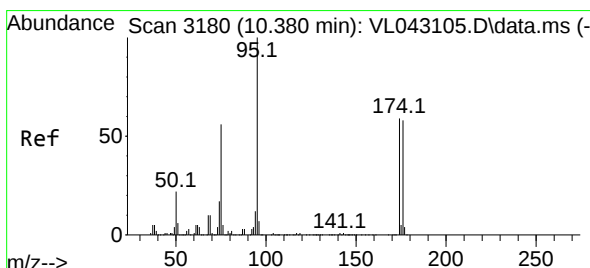
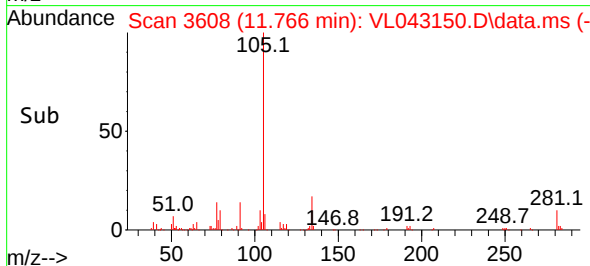
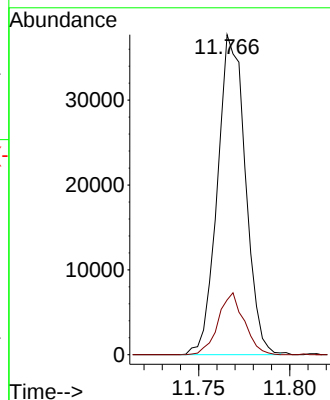
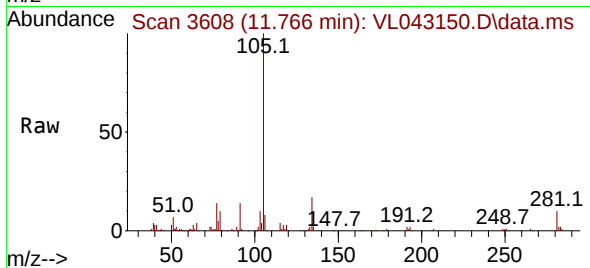
134 18.0 15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.111 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

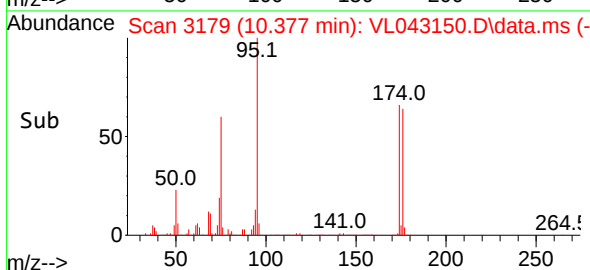
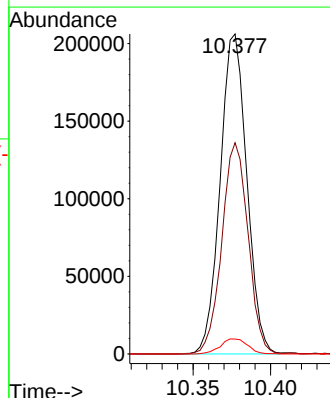
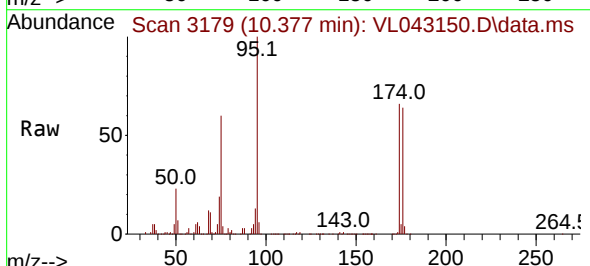
Tgt Ion: 95 Resp: 246141

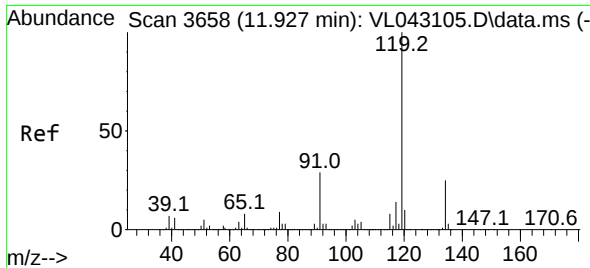
Ion Ratio Lower Upper

95 100

174 65.2 48.3 72.5

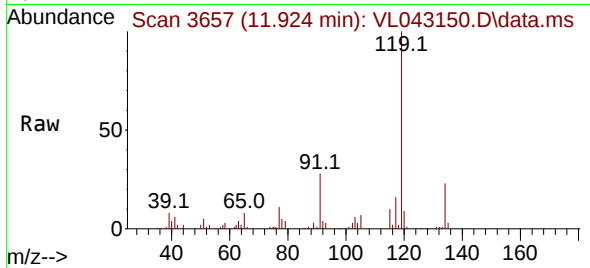
175 4.8 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.374 ppbv
RT: 11.924 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

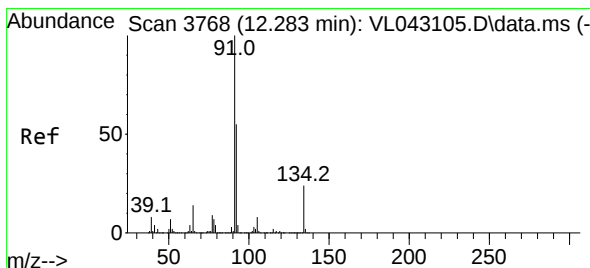
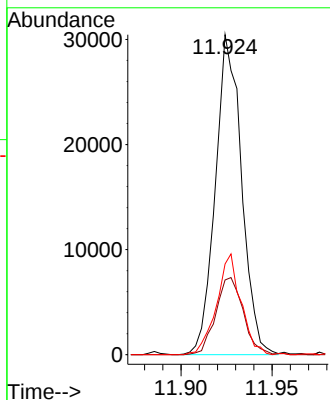
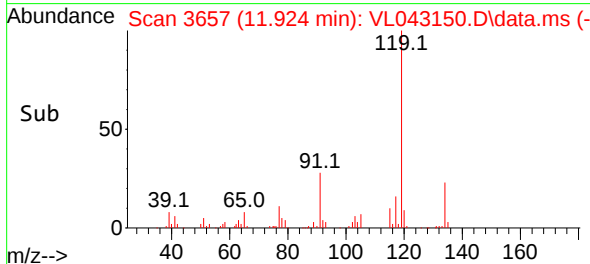
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



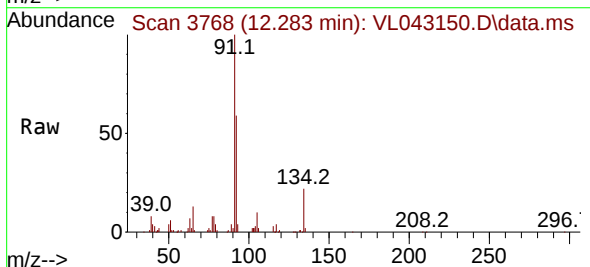
Tgt Ion: 119 Resp: 3046
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 29.4 22.6 33.8

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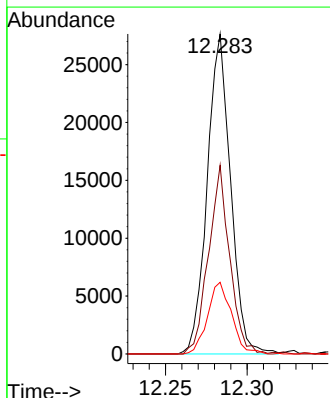
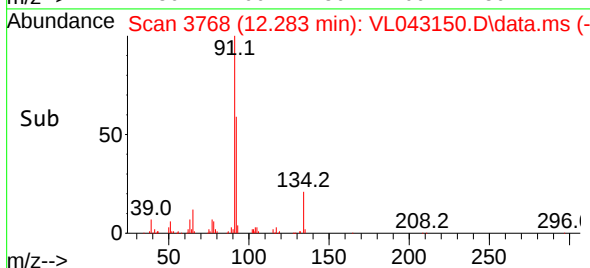
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

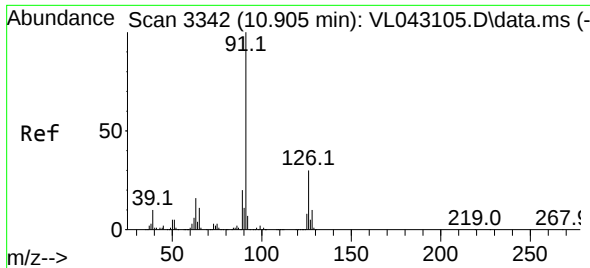


#70
n-Butylbenzene
Concen: 0.343 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55



Tgt Ion: 91 Resp: 27554
Ion Ratio Lower Upper
91 100
92 53.8 44.5 66.7
134 23.0 19.3 28.9





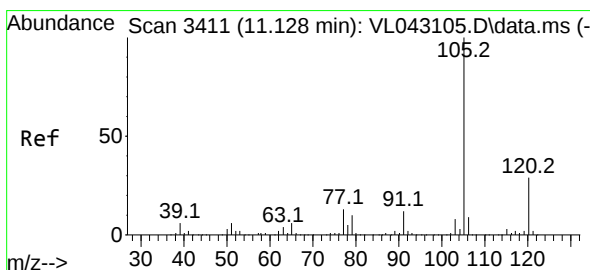
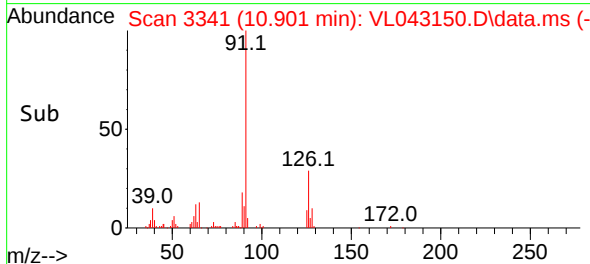
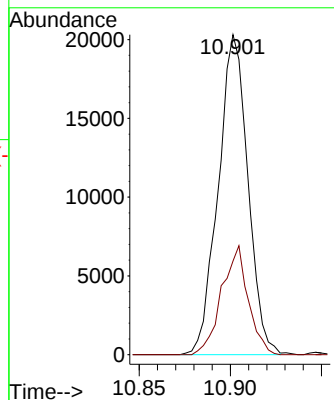
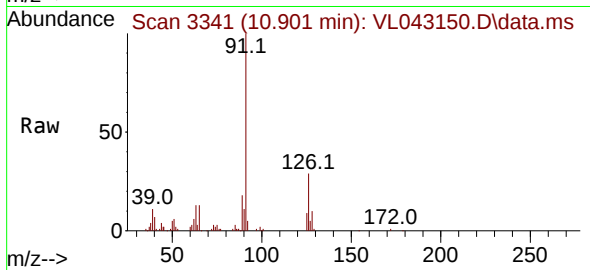
#71
2-Chlorotoluene
Concen: 0.394 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 91 Resp: 2298
Ion Ratio Lower Upper
91 100
126 30.4 12.0 48.0

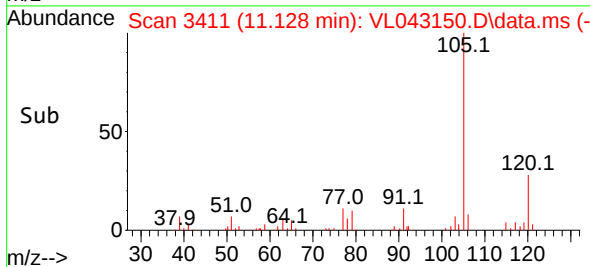
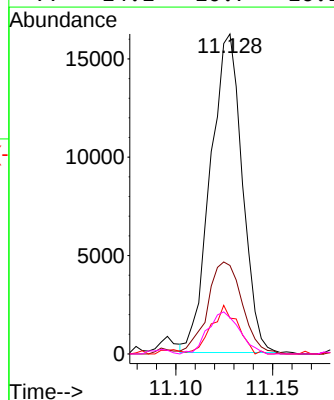
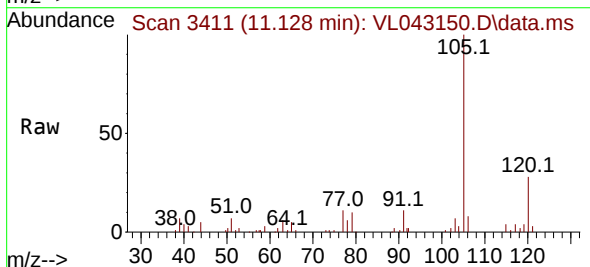
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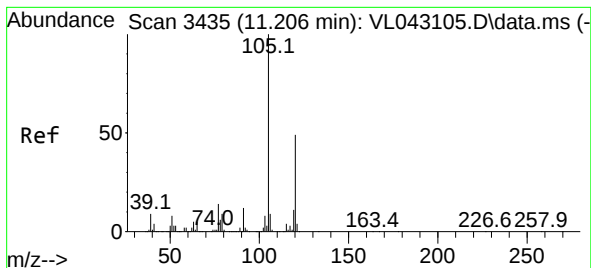
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#72
4-Ethyltoluene
Concen: 0.355 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:105 Resp: 18484
Ion Ratio Lower Upper
105 100
120 32.5 24.2 36.4
91 14.1 10.0 15.0
77 14.1 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.381 ppbv

RT: 11.202 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion:105 Resp: 1635

Ion Ratio Lower Upper

105 100

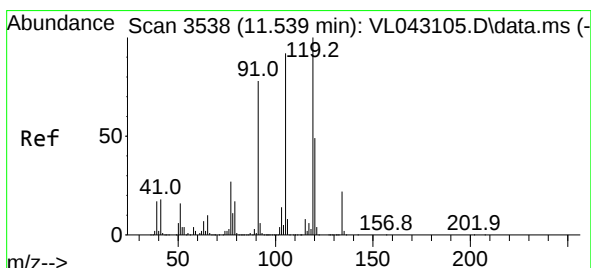
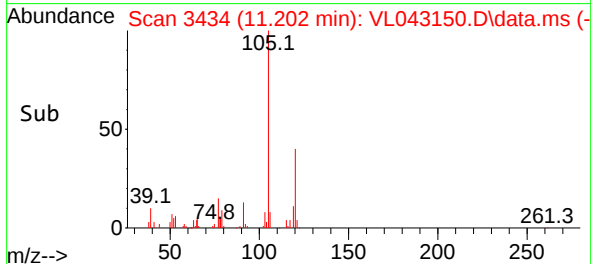
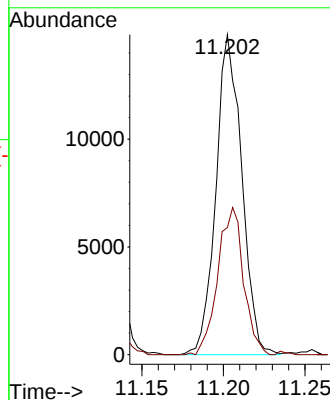
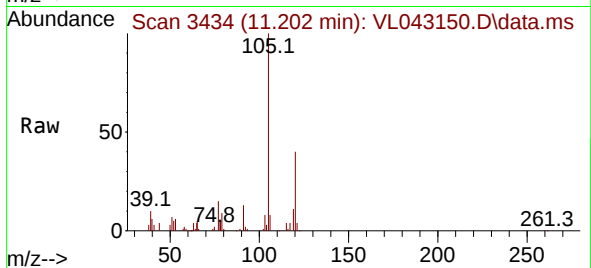
120 39.7 39.0 58.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.406 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Tgt Ion:105 Resp: 19486

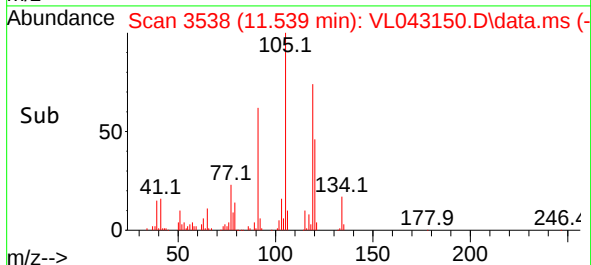
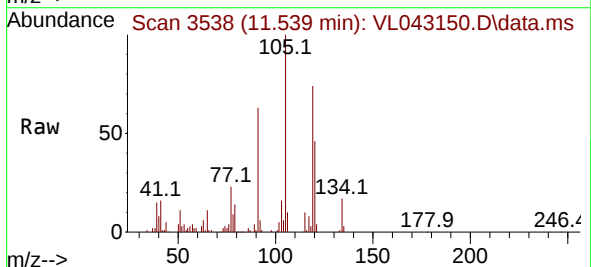
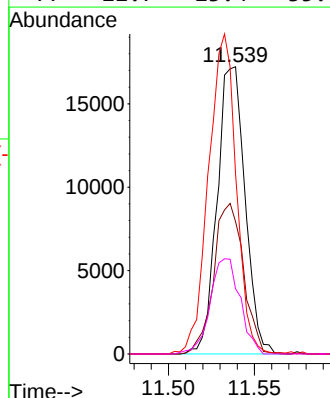
Ion Ratio Lower Upper

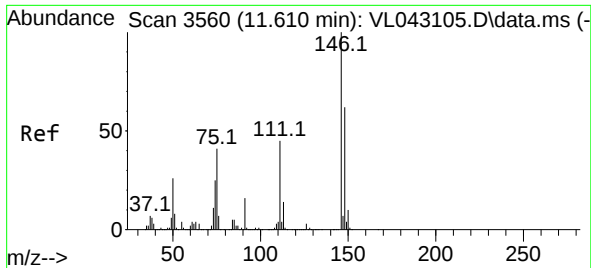
105 100

120 46.1 42.8 64.2

91 62.2 68.3 102.5#

77 22.7 23.4 35.0#





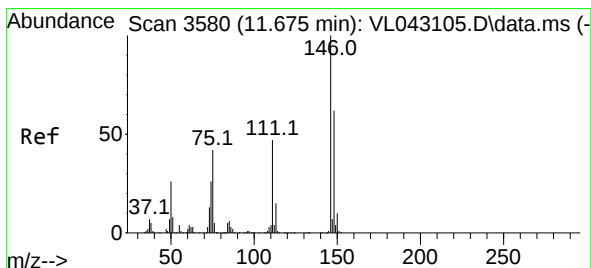
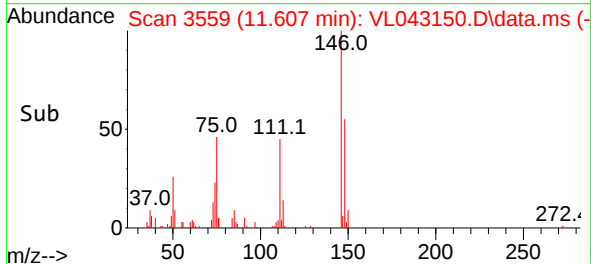
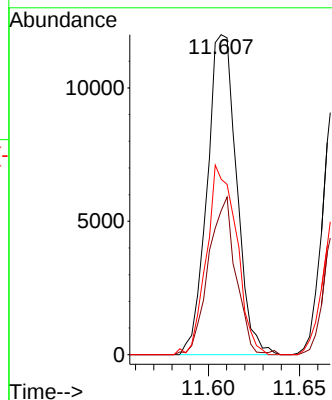
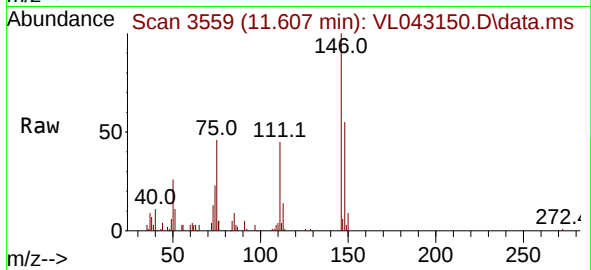
#75
1,3-Dichlorobenzene
Concen: 0.485 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:146 Resp: 13520
Ion Ratio Lower Upper
146 100
111 45.8 23.3 69.9
148 60.2 31.6 95.0

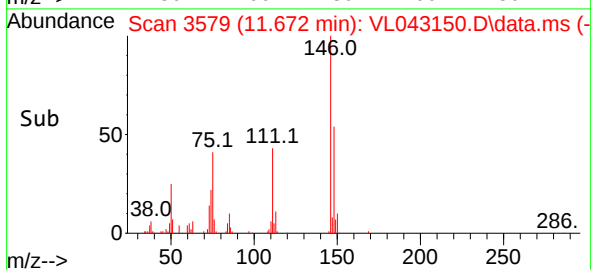
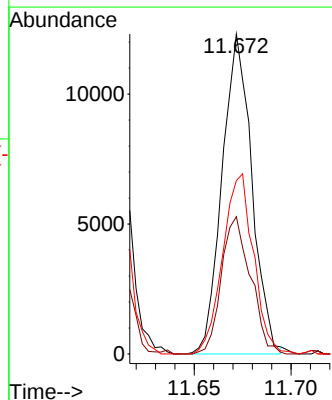
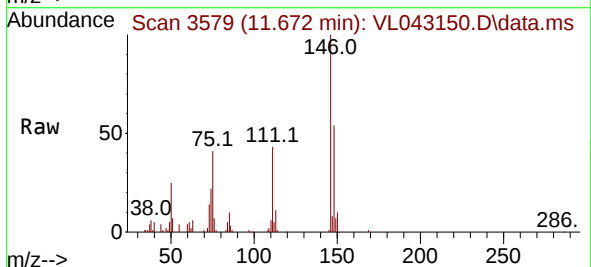
Manual Integrations
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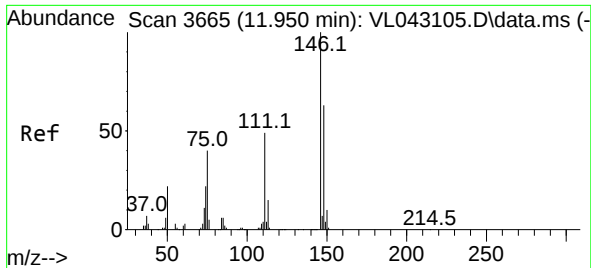
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#76
1,4-Dichlorobenzene
Concen: 0.466 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:146 Resp: 13108
Ion Ratio Lower Upper
146 100
111 42.2 22.4 67.0
148 58.6 31.6 94.7





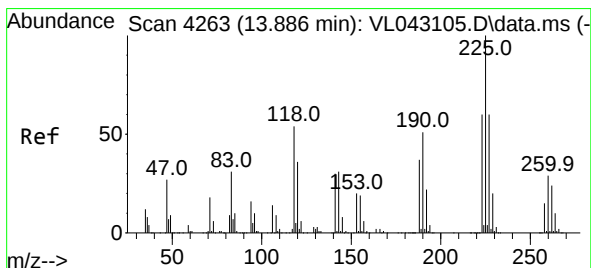
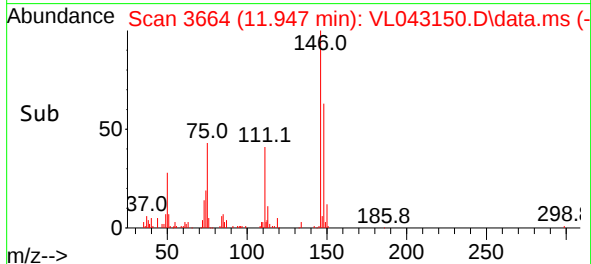
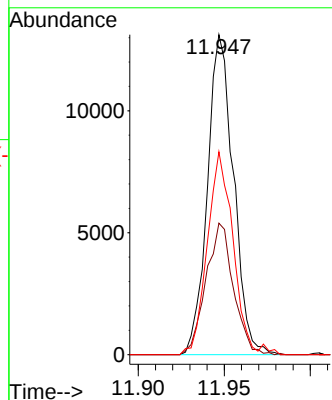
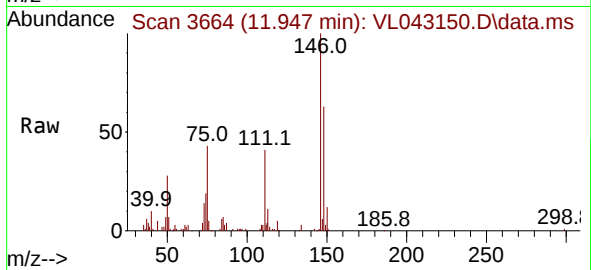
#77
1,2-Dichlorobenzene
Concen: 0.513 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:146 Resp: 13838
Ion Ratio Lower Upper
146 100
111 43.4 24.0 72.0
148 62.9 31.1 93.3

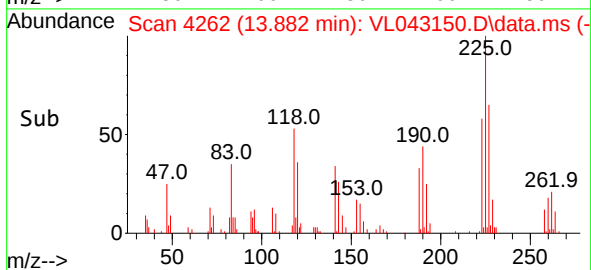
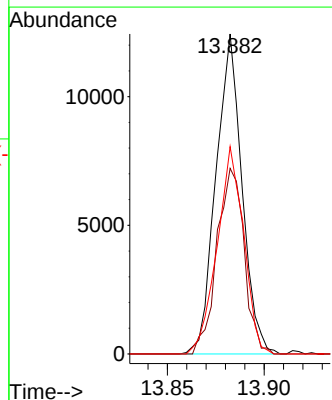
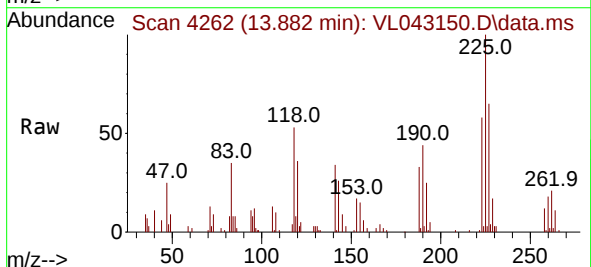
Manual Integrations
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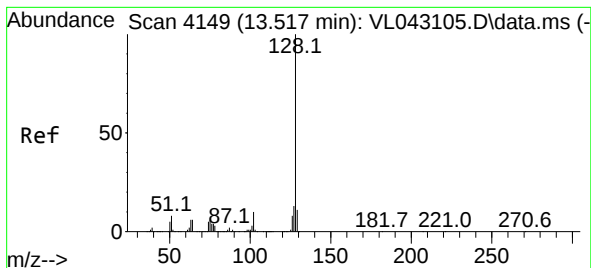
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.556 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL043150.D
Acq: 04 Nov 2025 11:55

Tgt Ion:225 Resp: 11610
Ion Ratio Lower Upper
225 100
223 60.8 50.2 75.4
227 66.2 49.6 74.4





#79

Naphthalene

Concen: 0.261 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

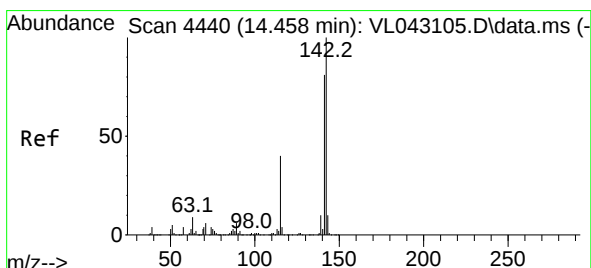
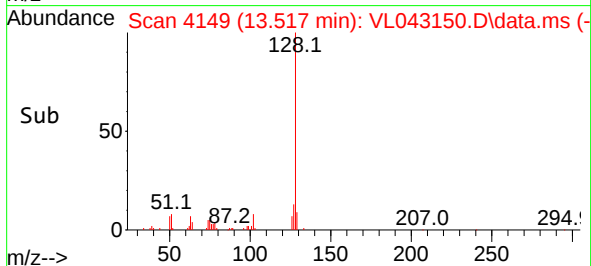
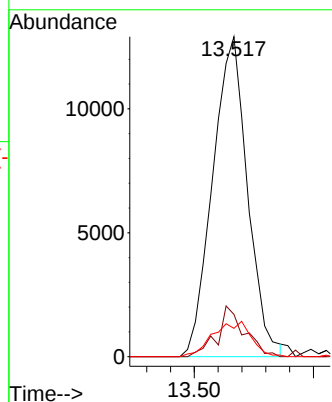
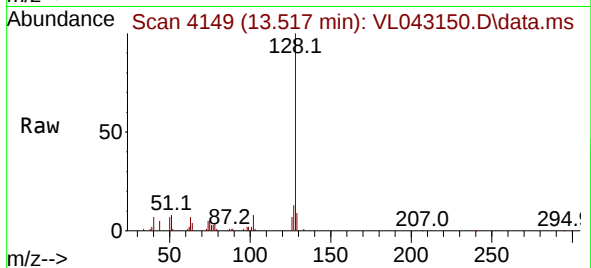
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:128	Resp:	1313
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.5 15.7
129	8.9	9.1 13.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#80

Naphthalene,2-methyl-

Concen: 0.122 ppbv

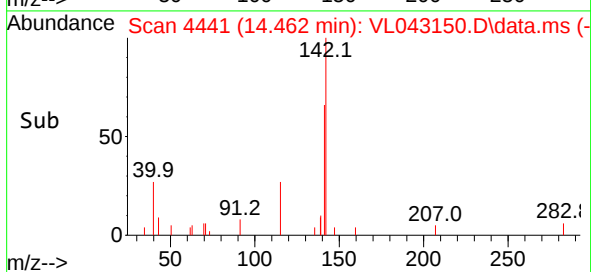
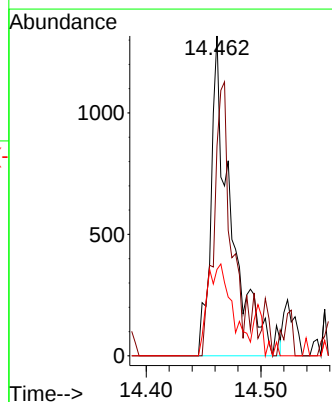
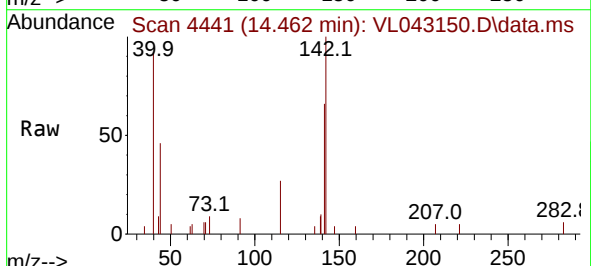
RT: 14.462 min Scan# 4441

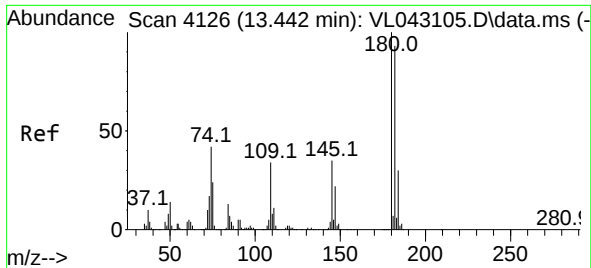
Delta R.T. 0.003 min

Lab File: VL043150.D

Acq: 04 Nov 2025 11:55

Tgt Ion:142	Resp:	1597
Ion Ratio	Lower	Upper
142	100	
141	91.2	64.6 97.0
115	35.1	30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 0.270 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043150.D

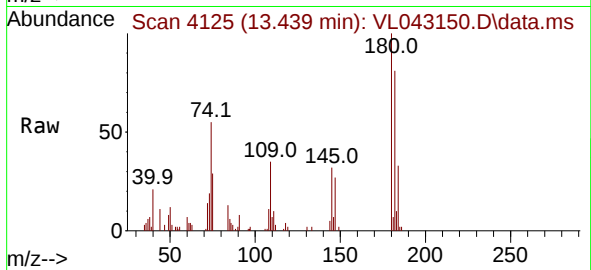
Acq: 04 Nov 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025



Tgt Ion:	180	Resp:	5629
Ion Ratio	Lower	Upper	
180	100		
182	103.5	75.5	113.3
184	30.1	23.9	35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

