

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043147.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : Q3530-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

Quant Time: Nov 05 06:28:12 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	2.787	49	120529	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	382307	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	333519	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	258090	9.956	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	9995	0.583	ppbv	97
3) Chlorodifluoromethane	1.476	51	10860	0.586	ppbv	96
4) Chloromethane	1.535	50	3602	0.531	ppbv	96
5) Vinyl Chloride	1.580	62	3209	0.482	ppbv #	87
6) Bromomethane	1.671	94	2352	0.644	ppbv	87
7) Chloroethane	1.706	64	1612	0.592	ppbv #	82
8) Dichlorotetrafluoroethane	1.554	85	7850	0.567	ppbv	88
9) Propene	1.483	41	4172	0.507	ppbv	97
10) Heptane	4.975	43	10869m	0.459	ppbv	
11) Trichlorofluoromethane	1.878	101	10486	0.626	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.140	101	7981	0.591	ppbv	92
13) Ethanol	1.722	45	2044	0.672	ppbv	92
14) Bromoethene	1.784	108	2839	0.566	ppbv #	88
15) Acetone	1.836	43	11463	0.706	ppbv	97
16) 1,3-Butadiene	1.609	39	4106	0.530	ppbv	90
17) tert-Butyl alcohol	2.043	59	12635	0.567	ppbv #	89
18) 1,1-Dichloroethene	2.033	96	3248	0.552	ppbv	83
19) Isopropyl Alcohol	1.888	45	5759	0.569	ppbv #	75
20) Methylene Chloride	2.059	84	4569	0.712	ppbv #	92
21) Allyl Chloride	2.098	41	6473	0.541	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	4180	0.594	ppbv	85
23) Vinyl Acetate	2.460	43	15928	0.669	ppbv #	97
24) 1,1-Dichloroethane	2.409	63	7725	0.569	ppbv #	91
25) Ethyl Acetate	2.836	43	20469	0.508	ppbv #	97
26) Hexane	2.829	57	9642	0.519	ppbv	95
27) Carbon Disulfide	2.150	76	9853	0.579	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	4579m	0.542	ppbv	
29) Chloroform	2.846	83	16419	0.610	ppbv	93
30) Cyclohexane	3.859	84	8075m	0.498	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	10649	0.601	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	16589	0.592	ppbv	98
34) 2-Butanone	2.558	43	15272	0.594	ppbv	99
35) Carbon Tetrachloride	3.765	117	16936	0.616	ppbv	99
36) Benzene	3.658	78	20740	0.576	ppbv #	87
37) 1,2-Dichloroethane	3.218	62	13380	0.645	ppbv	96
38) Trichloroethene	4.548	130	8178m	0.544	ppbv	
39) 1,2-Dichloropropane	4.315	63	7613m	0.578	ppbv	
40) 1,4-Dioxane	4.600	88	3232m	0.549	ppbv	
41) Tetrahydrofuran	3.059	42	7202	0.501	ppbv	97
42) Bromodichloromethane	4.487	83	17227	0.600	ppbv	91
43) Methyl Methacrylate	4.881	69	8532m	0.467	ppbv	
44) 2,2,4-Trimethylpentane	4.639	57	30220	0.497	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	9486m	0.517	ppbv	

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Quant Time: Nov 05 06:28:12 2025

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

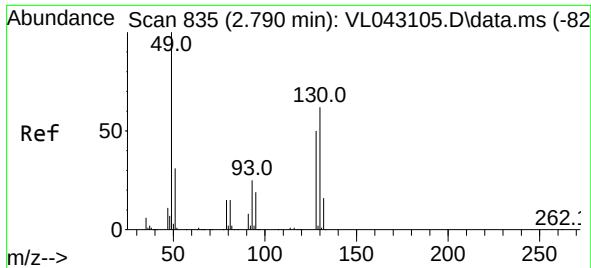
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	11069	0.505	ppbv #	79
47) 1,1,2-Trichloroethane	6.577	97	8190	0.576	ppbv #	89
48) Dibromochloromethane	7.387	129	13838m	0.582	ppbv	
49) Bromoform	9.477	173	11414	0.591	ppbv	97
50) 4-Methyl-2-Pentanone	5.765	43	16562m	0.467	ppbv	
51) 2-Hexanone	7.435	43	11456m	0.431	ppbv	
52) Tetrachloroethene	8.228	164	7910m	0.609	ppbv	
53) Toluene	6.930	91	20519	0.480	ppbv	97
54) 1,2-Dibromoethane	7.649	107	12338	0.554	ppbv #	75
56) 1,1,1,2-Tetrachloroethane	8.924	131	13031	0.620	ppbv #	1
57) Chlorobenzene	8.918	112	18460	0.592	ppbv	98
58) Ethyl Benzene	9.351	91	27443	0.479	ppbv	92
59) m/p-Xylene	9.552	91	45981m	1.007	ppbv	
60) o-Xylene	9.960	91	22365	0.496	ppbv	96
61) Styrene	9.869	104	8795	0.432	ppbv	99
62) Isopropylbenzene	10.539	105	43714	0.537	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.960	83	17397	0.576	ppbv	100
64) n-propylbenzene	10.986	120	11622	0.539	ppbv	97
65) tert-Butylbenzene	11.529	119	39041	0.543	ppbv	100
66) Benzyl Chloride	11.617	91	3461	0.432	ppbv #	95
67) sec-Butylbenzene	11.766	105	54508	0.534	ppbv	98
69) p-Isopropyltoluene	11.924	119	45168	0.521	ppbv	99
70) n-Butylbenzene	12.280	91	42575	0.498	ppbv	96
71) 2-Chlorotoluene	10.902	91	32021	0.515	ppbv	97
72) 4-Ethyltoluene	11.122	105	26689	0.481	ppbv	96
73) 1,3,5-Trimethylbenzene	11.199	105	22734	0.497	ppbv	95
74) 1,2,4-Trimethylbenzene	11.533	105	26535	0.519	ppbv	98
75) 1,3-Dichlorobenzene	11.604	146	18180	0.613	ppbv	97
76) 1,4-Dichlorobenzene	11.672	146	17692	0.591	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	18270	0.636	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	15428	0.694	ppbv	98
79) Naphthalene	13.514	128	22379	0.418	ppbv	96
80) Naphthalene,2-methyl-	14.462	142	3714m	0.267	ppbv	
81) 1,2,4-Trichlorobenzene	13.439	180	9187	0.414	ppbv	96

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



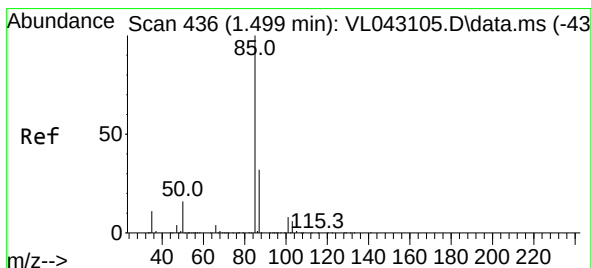
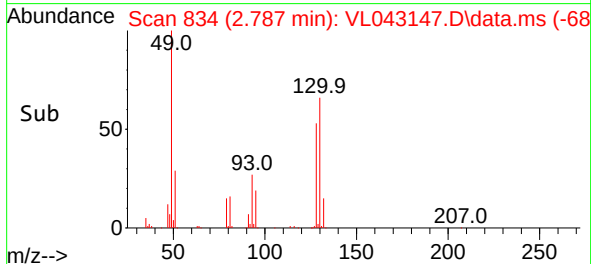
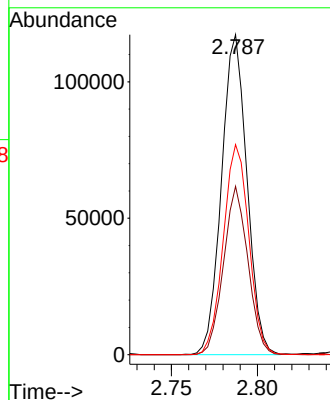
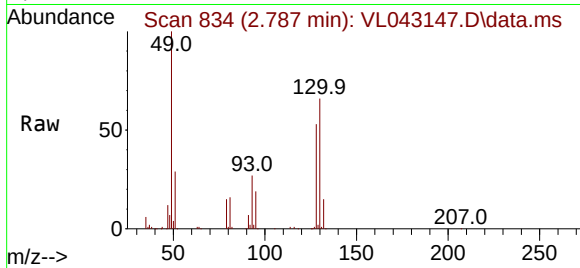
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 835
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 49 Resp: 120529
Ion Ratio Lower Upper
49 100
128 50.7 24.4 73.4
130 66.1 31.0 93.0

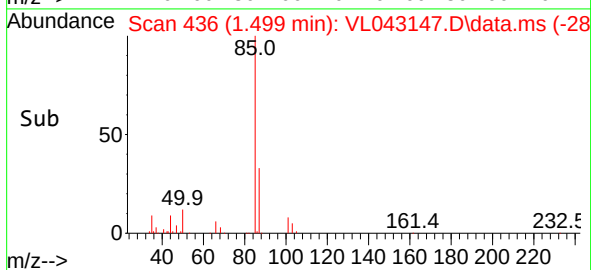
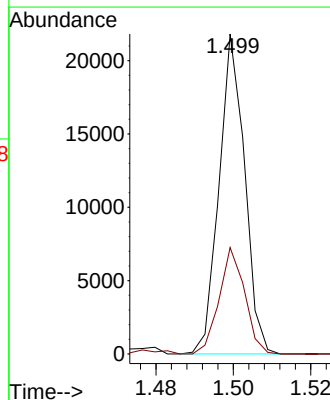
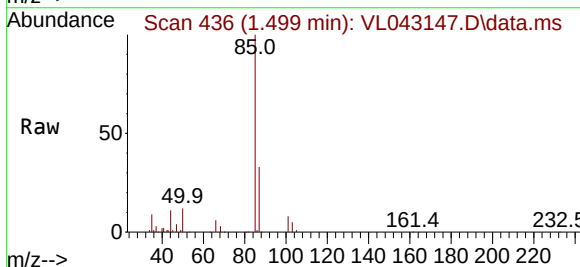
Manual Integrations
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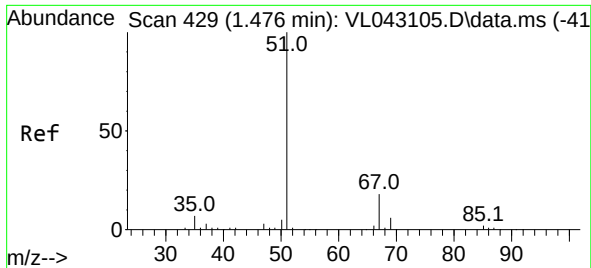
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#2
Dichlorodifluoromethane
Concen: 0.583 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 85 Resp: 9995
Ion Ratio Lower Upper
85 100
87 33.2 25.3 37.9





#3

Chlorodifluoromethane

Concen: 0.586 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025

Tgt Ion: 51 Resp: 10860

Ion Ratio Lower Upper

51 100

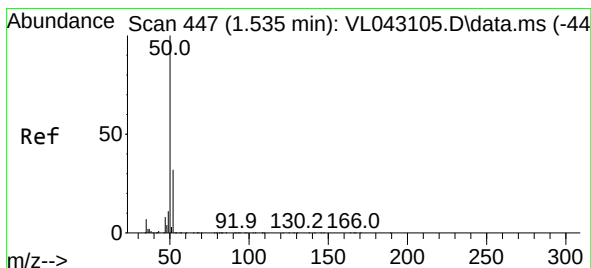
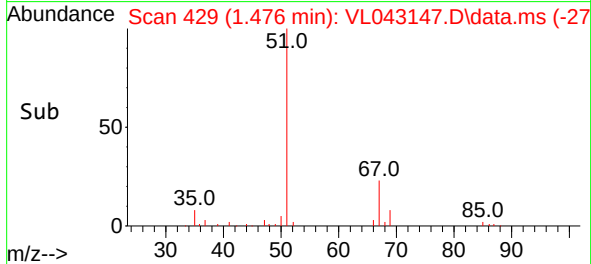
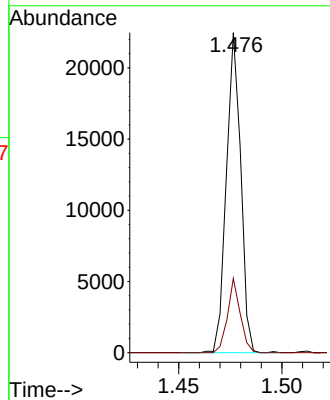
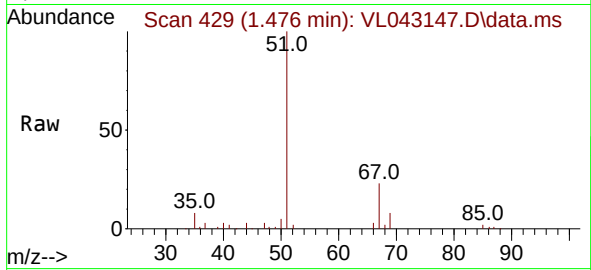
67 20.6 15.1 22.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#4

Chloromethane

Concen: 0.531 ppbv

RT: 1.535 min Scan# 447

Delta R.T. 0.000 min

Lab File: VL043147.D

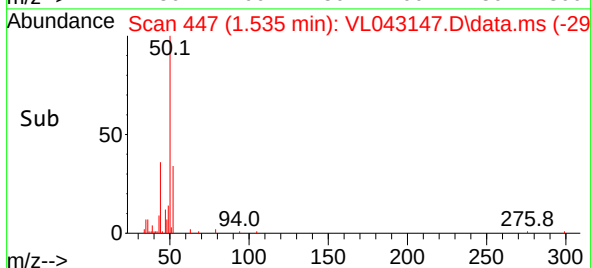
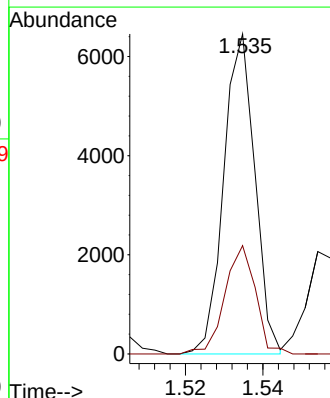
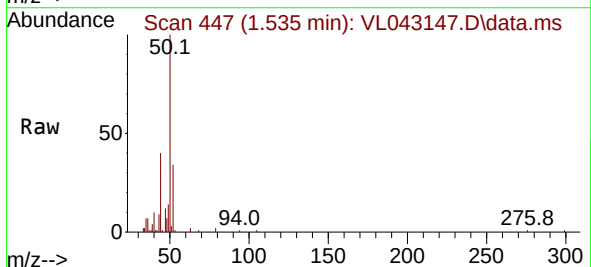
Acq: 04 Nov 2025 10:19

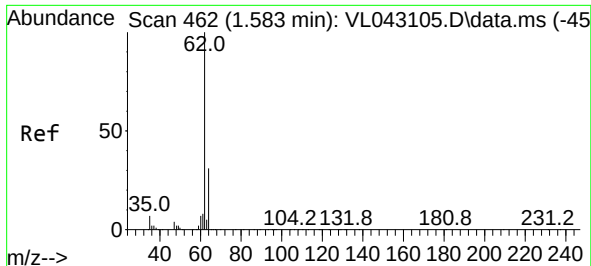
Tgt Ion: 50 Resp: 3602

Ion Ratio Lower Upper

50 100

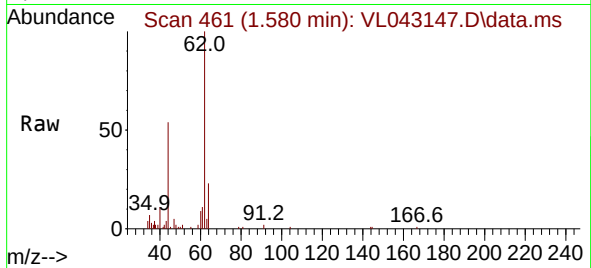
52 33.8 25.2 37.8





#5
 Vinyl Chloride
 Concen: 0.482 ppbv
 RT: 1.580 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

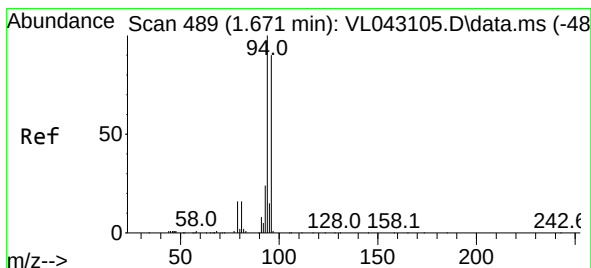
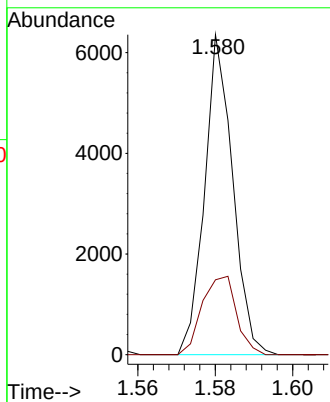
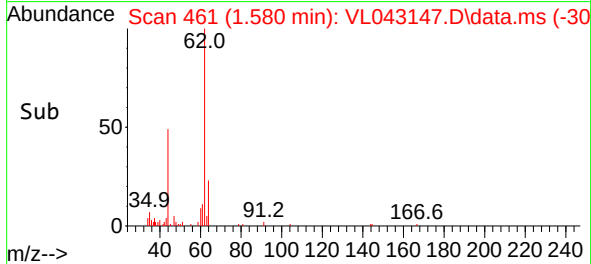
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025



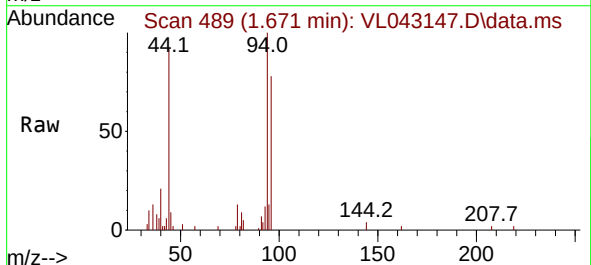
Tgt Ion: 62 Resp: 3209
 Ion Ratio Lower Upper
 62 100
 64 23.4 24.6 36.8

Manual Integrations
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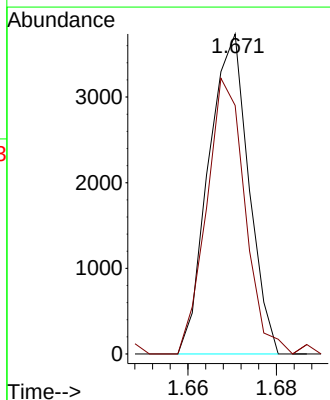
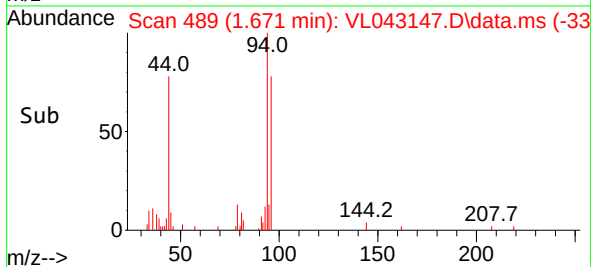
Reviewed By :Semsettin Yesilyurt 11/05/2025
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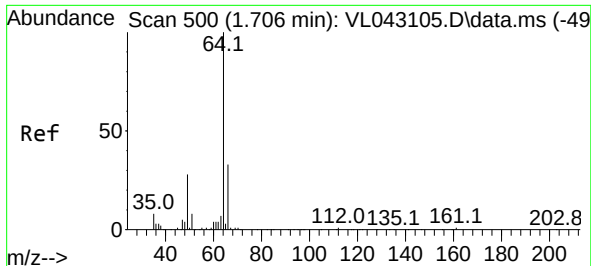


#6
 Bromomethane
 Concen: 0.644 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19



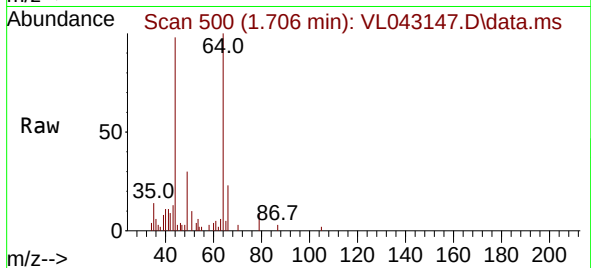
Tgt Ion: 94 Resp: 2352
 Ion Ratio Lower Upper
 94 100
 96 77.7 72.2 108.4





#7
Chloroethane
Concen: 0.592 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

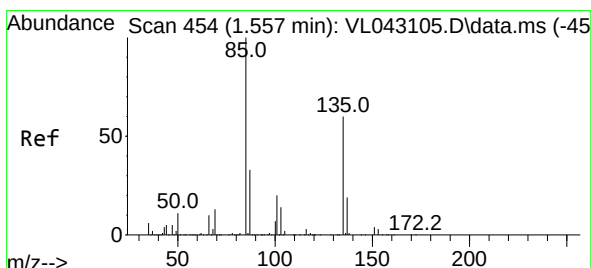
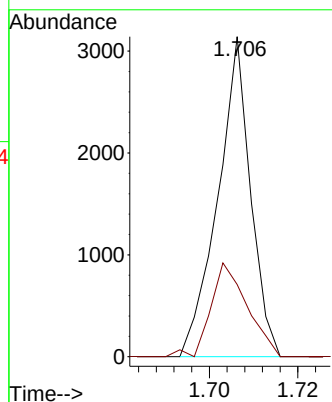
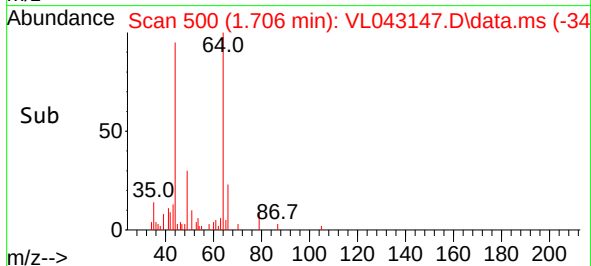
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 64 Resp: 1612
Ion Ratio Lower Upper
64 100
66 22.6 26.0 39.0

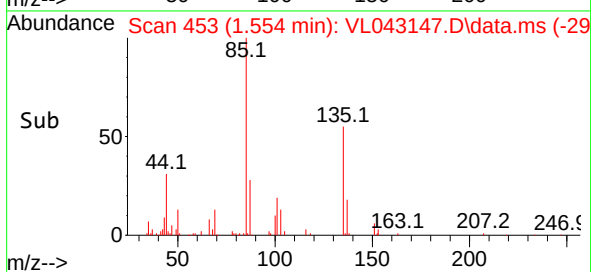
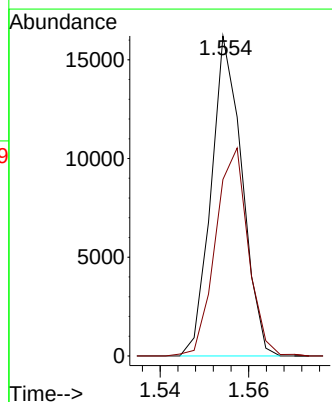
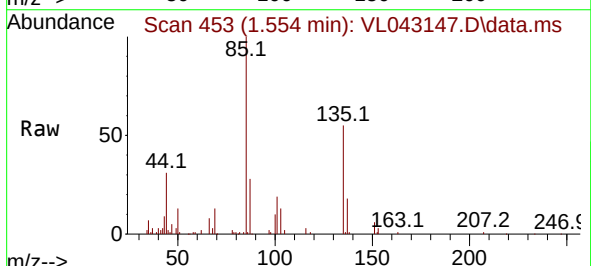
Manual Integrations
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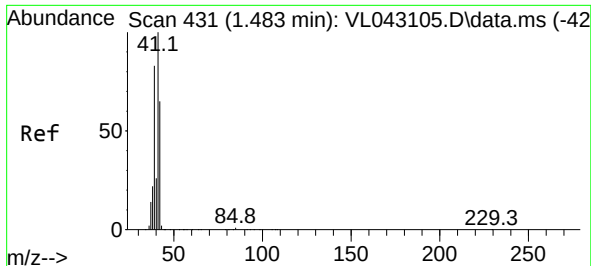
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#8
Dichlorotetrafluoroethane
Concen: 0.567 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 85 Resp: 7850
Ion Ratio Lower Upper
85 100
135 69.1 48.2 72.4





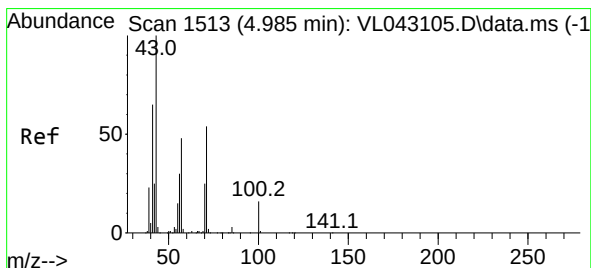
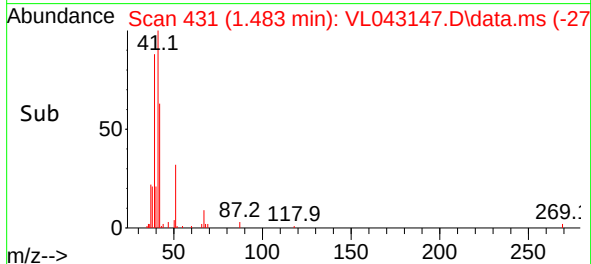
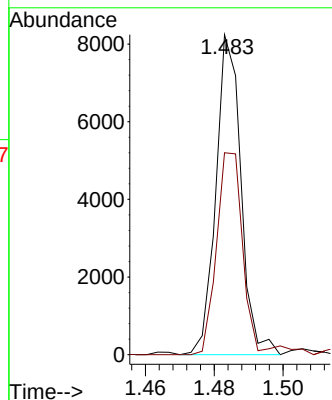
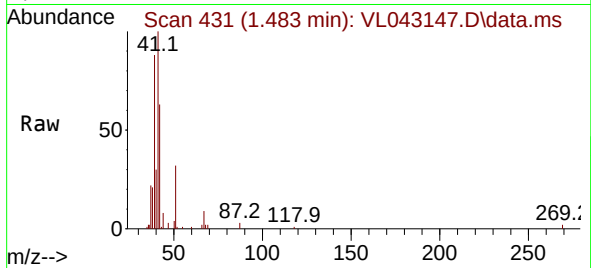
#9
Propene
Concen: 0.507 ppbv
RT: 1.483 min Scan# 417
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 41 Resp: 4172
Ion Ratio Lower Upper
41 100
42 71.0 55.1 82.7

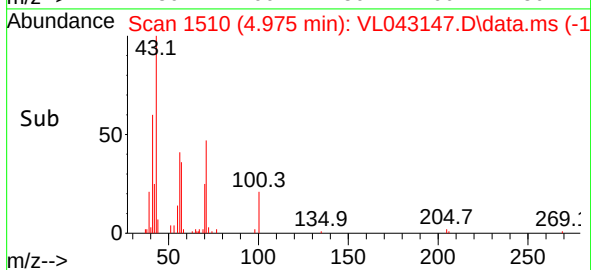
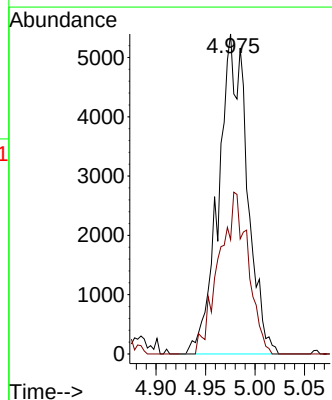
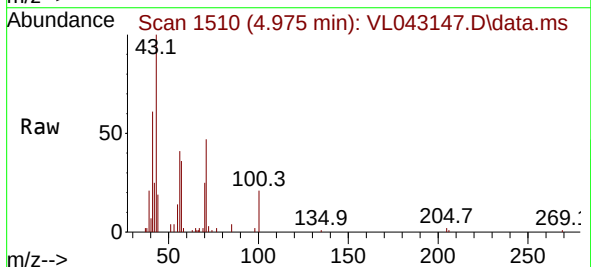
Manual Integrations
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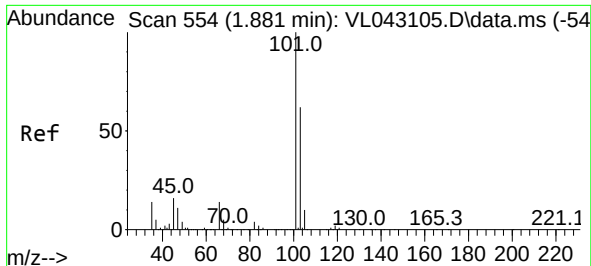
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#10
Heptane
Concen: 0.459 ppbv m
RT: 4.975 min Scan# 1510
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

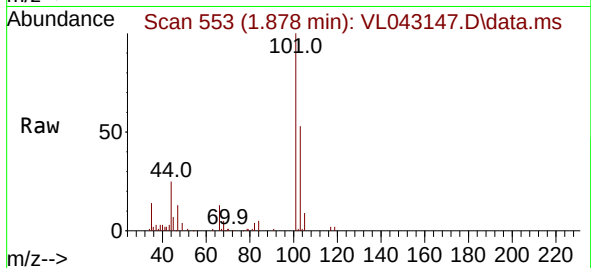
Tgt Ion: 43 Resp: 10869
Ion Ratio Lower Upper
43 100
57 51.3 40.8 61.2





#11
Trichlorofluoromethane
Concen: 0.626 ppbv
RT: 1.878 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

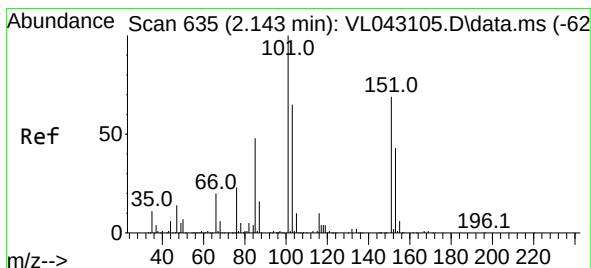
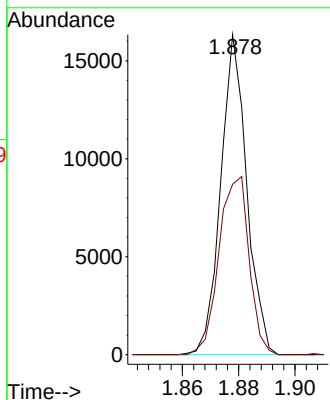
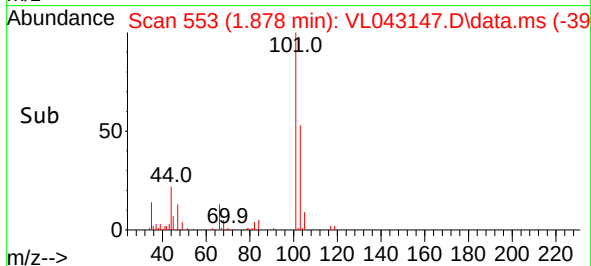
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



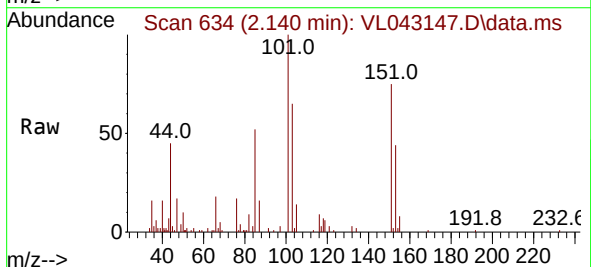
Tgt Ion:101 Resp: 10480
Ion Ratio Lower Upper
101 100
103 53.3 49.3 73.9

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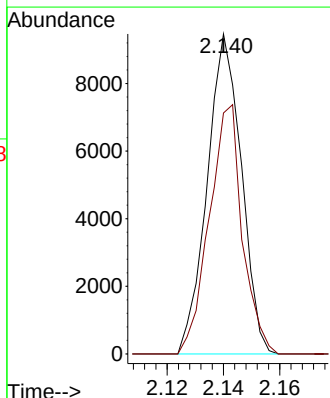
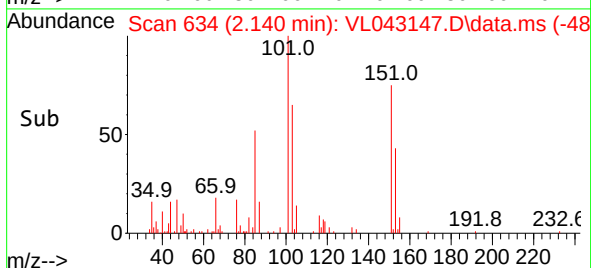
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

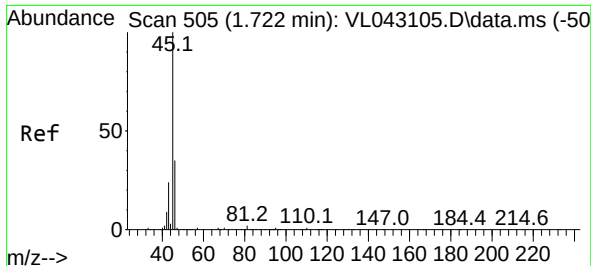


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.591 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19



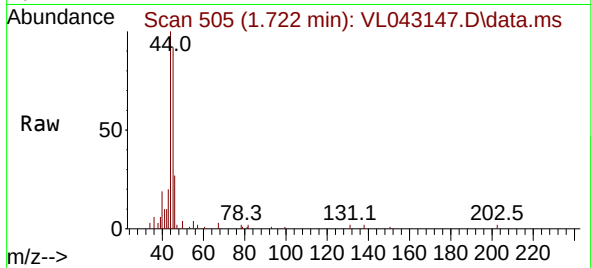
Tgt Ion:101 Resp: 7981
Ion Ratio Lower Upper
101 100
151 75.3 54.7 82.1





#13
Ethanol
Concen: 0.672 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

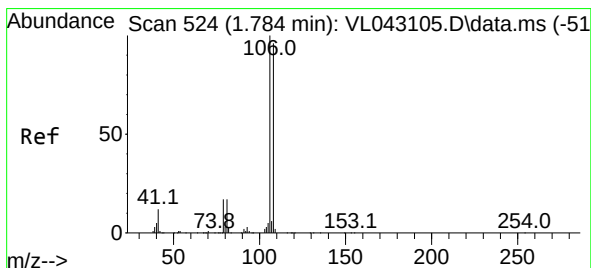
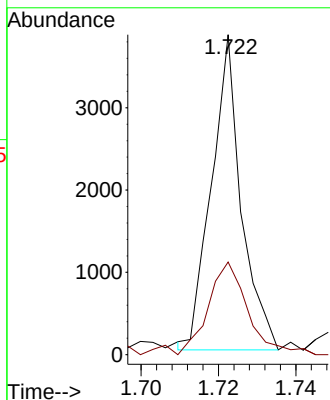
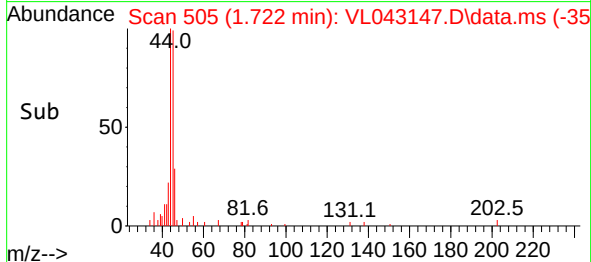
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



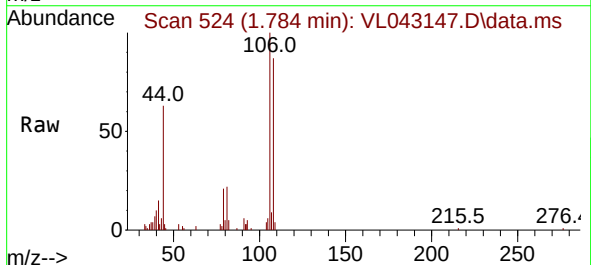
Tgt Ion: 45 Resp: 2044
Ion Ratio Lower Upper
45 100
46 41.6 14.7 58.9

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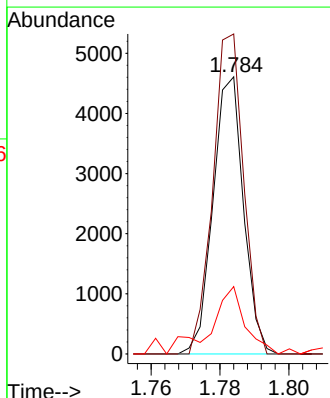
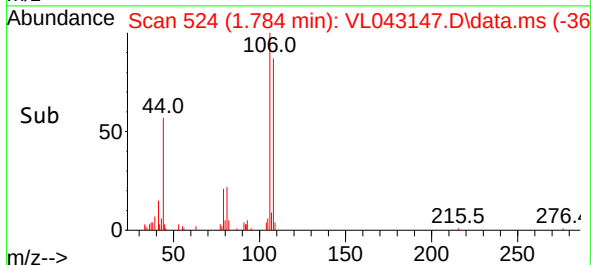
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

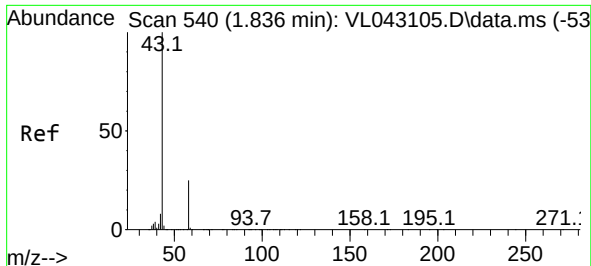


#14
Bromoethene
Concen: 0.566 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19



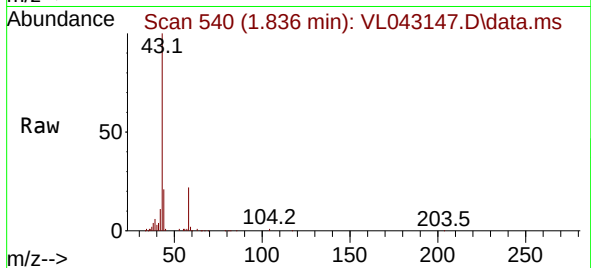
Tgt Ion:108 Resp: 2839
Ion Ratio Lower Upper
108 100
106 115.9 84.4 126.6
79 29.8 15.3 22.9#





#15
Acetone
Concen: 0.706 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

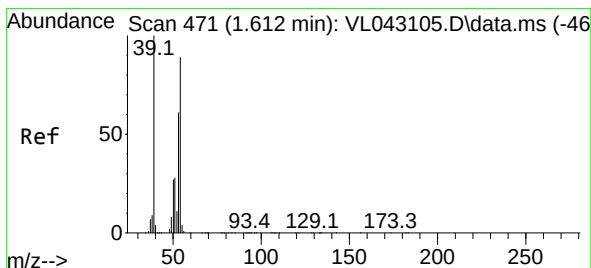
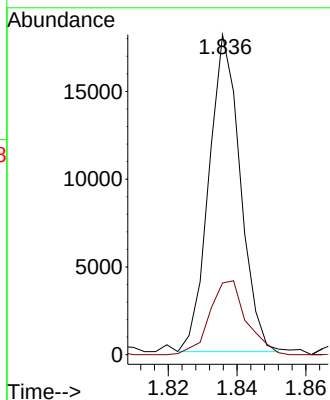
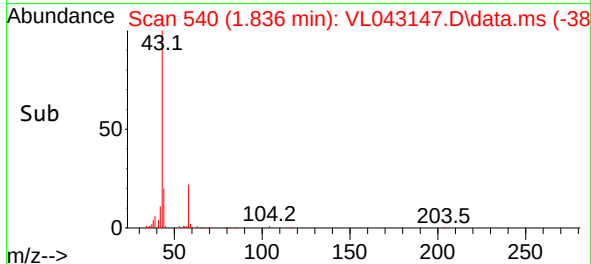
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 27.5 20.8 31.2

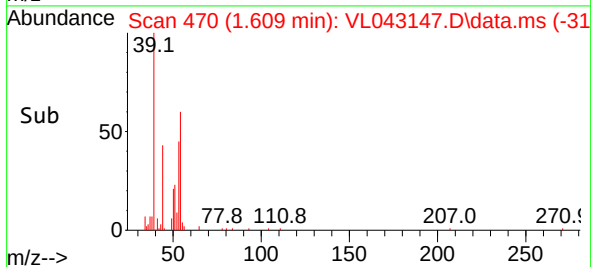
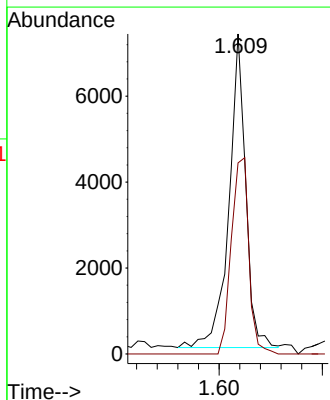
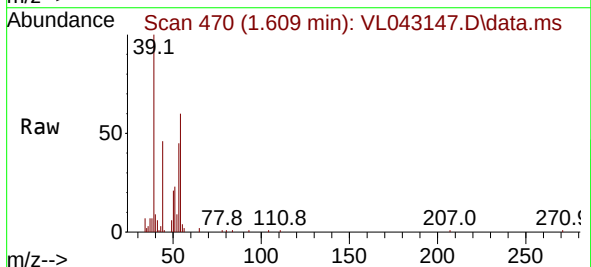
Manual Integrations
APPROVED

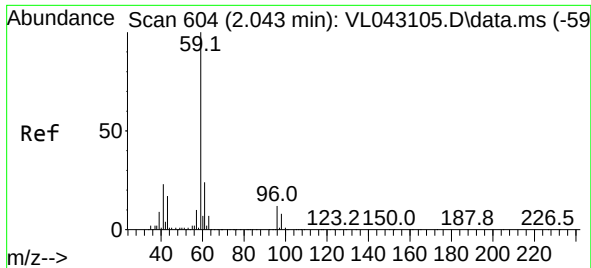
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#16
1,3-Butadiene
Concen: 0.530 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 39 Resp: 4106
Ion Ratio Lower Upper
39 100
54 65.3 59.0 88.4





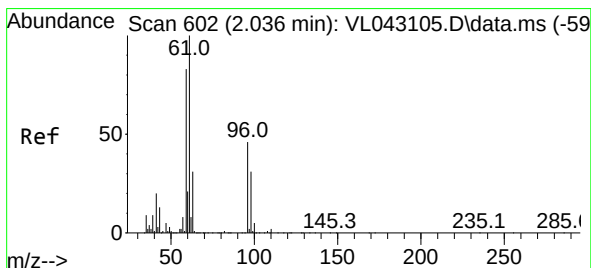
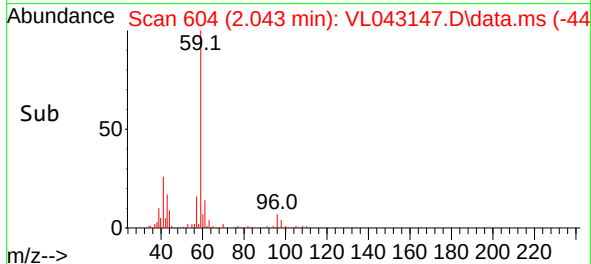
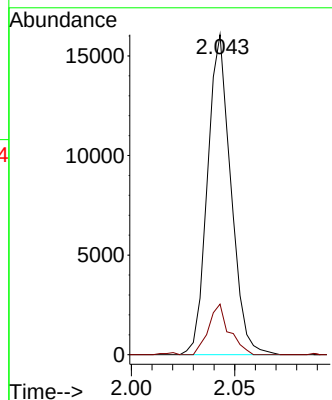
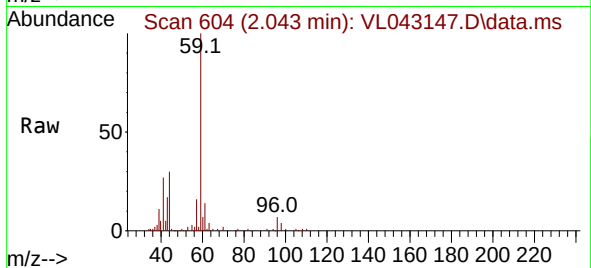
#17
tert-Butyl alcohol
Concen: 0.567 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 59 Resp: 1263
Ion Ratio Lower Upper
59 100
57 14.3 8.2 12.4

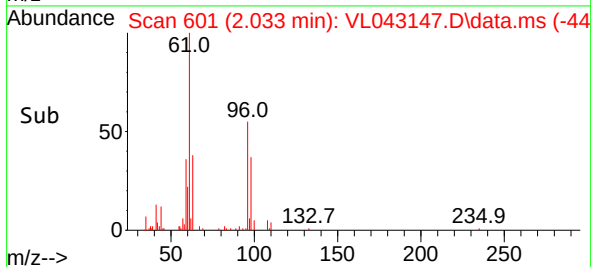
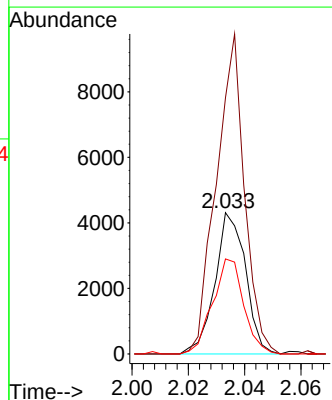
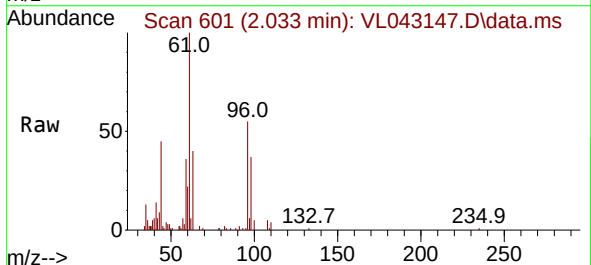
Manual Integrations
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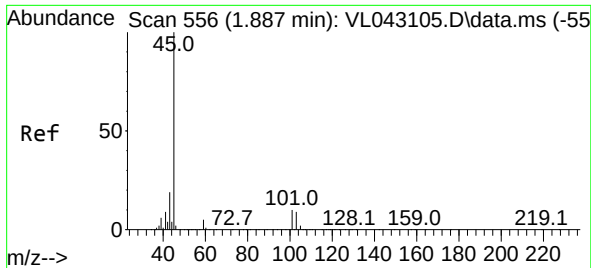
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#18
1,1-Dichloroethene
Concen: 0.552 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

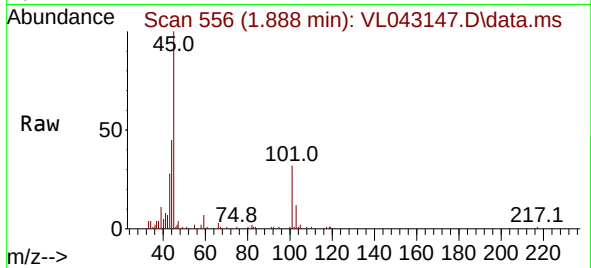
Tgt Ion: 96 Resp: 3248
Ion Ratio Lower Upper
96 100
61 181.4 173.4 260.0
98 67.3 53.2 79.8





#19
Isopropyl Alcohol
Concen: 0.569 ppbv
RT: 1.888 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

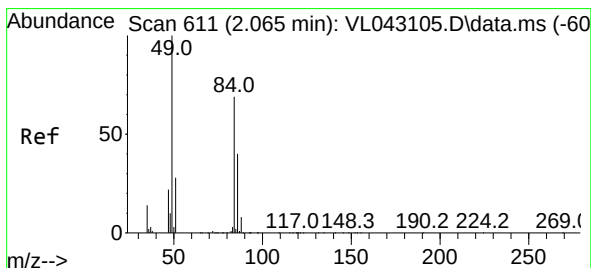
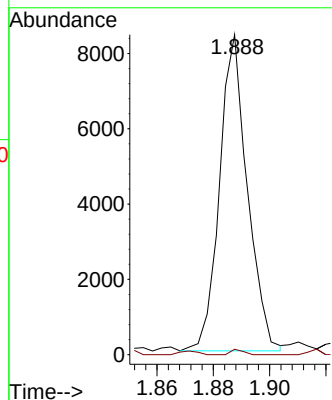
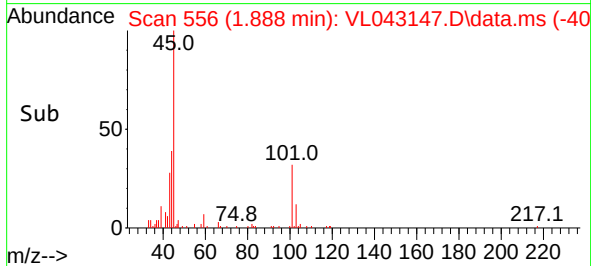
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



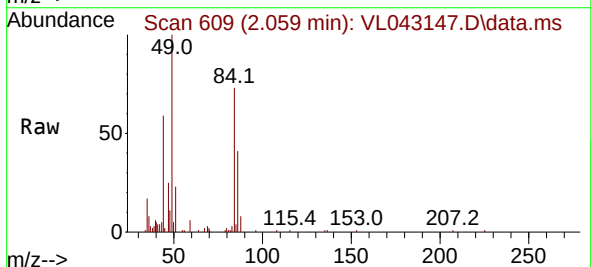
Tgt Ion: 45 Resp: 5759
Ion Ratio Lower Upper
45 100
58 54.6 31.3 46.9

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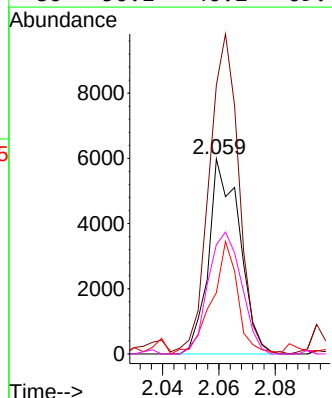
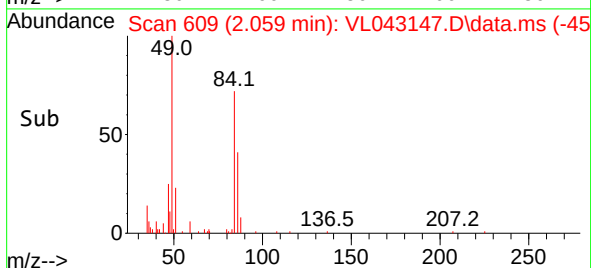
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

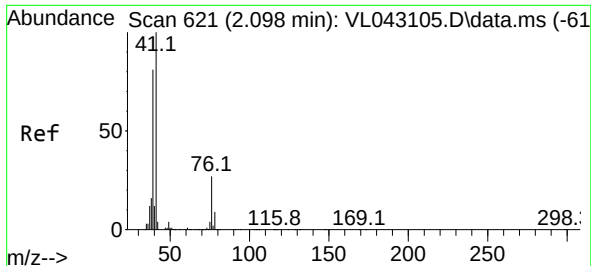


#20
Methylene Chloride
Concen: 0.712 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19



Tgt Ion: 84 Resp: 4569
Ion Ratio Lower Upper
84 100
49 136.6 116.6 175.0
51 31.4 34.8 52.2#
86 56.1 46.2 69.4





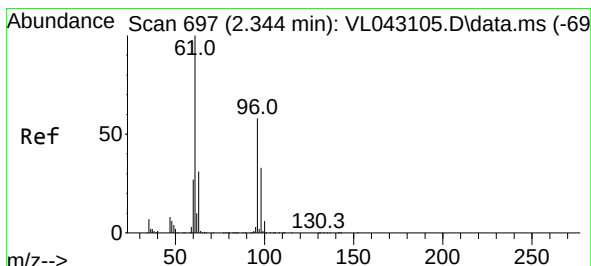
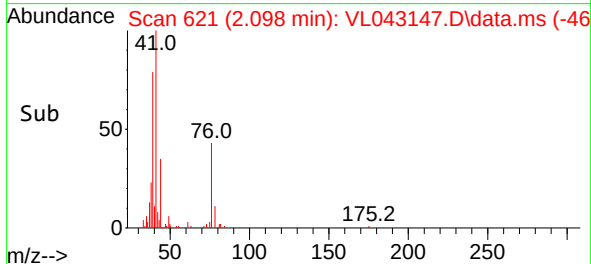
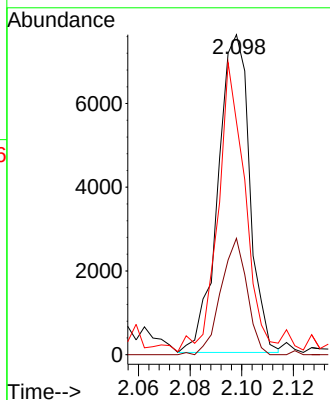
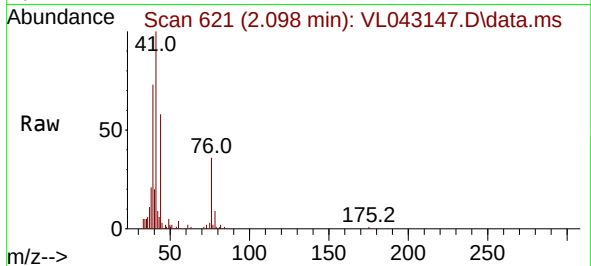
#21
 Allyl Chloride
 Concen: 0.541 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

Tgt Ion: 41 Resp: 647
 Ion Ratio Lower Upper
 41 100
 76 30.4 21.5 32.3
 39 79.7 60.8 91.2

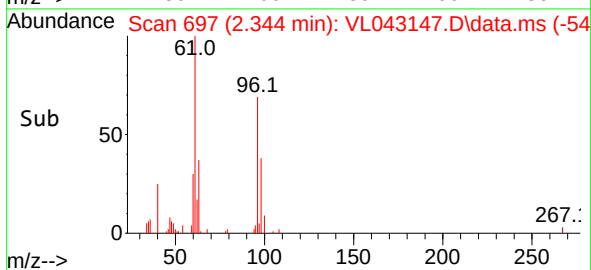
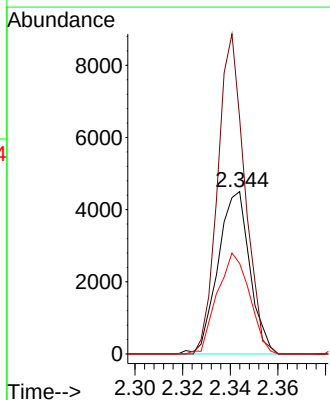
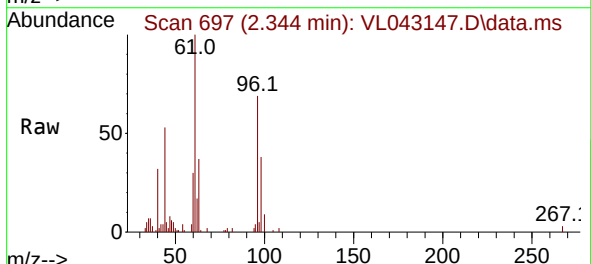
Manual Integrations
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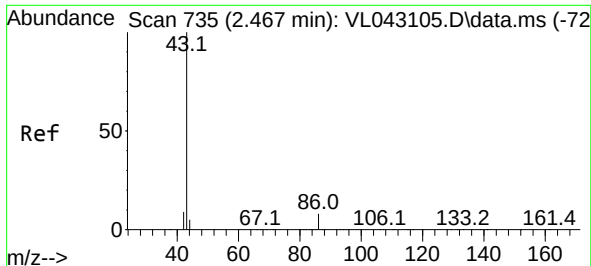
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.594 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

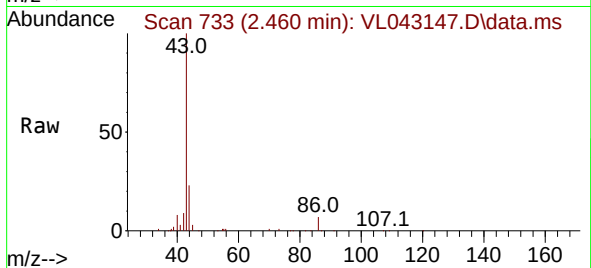
Tgt Ion: 96 Resp: 4180
 Ion Ratio Lower Upper
 96 100
 61 145.2 137.0 205.6
 98 55.7 45.5 68.3





#23
 Vinyl Acetate
 Concen: 0.669 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.006 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

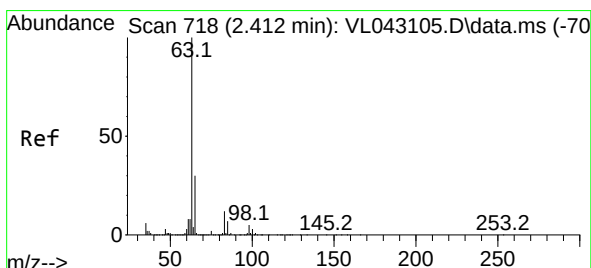
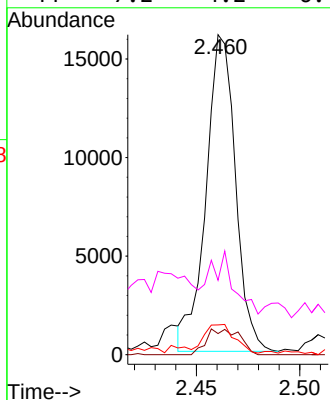
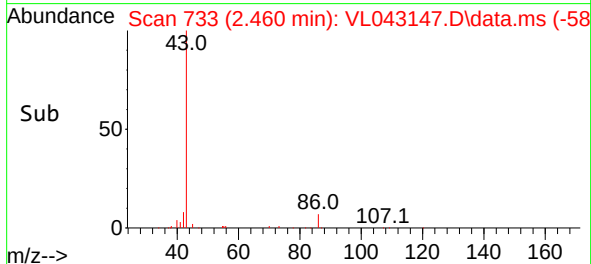
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025



Tgt Ion: 43 Resp: 15928
 Ion Ratio Lower Upper
 43 100
 86 6.7 6.2 9.2
 42 8.9 7.6 11.4
 44 7.2 4.2 6.4#

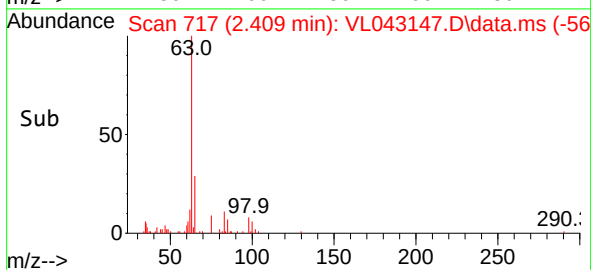
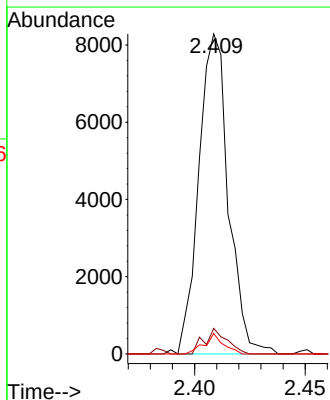
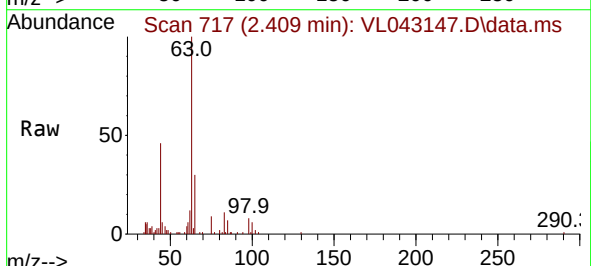
Manual Integrations
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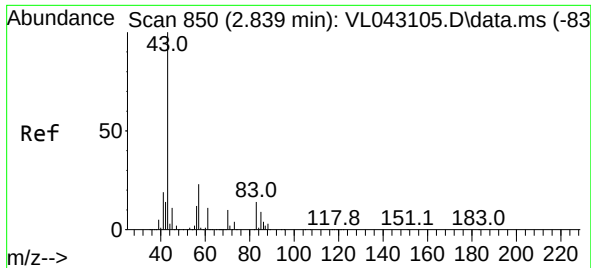
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#24
 1,1-Dichloroethane
 Concen: 0.569 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

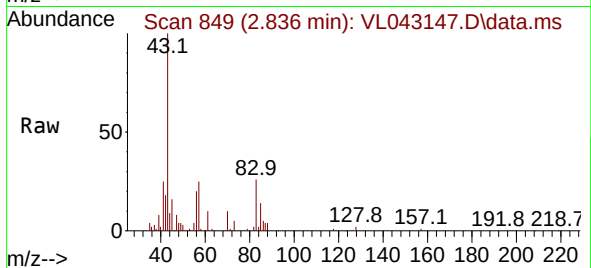
Tgt Ion: 63 Resp: 7725
 Ion Ratio Lower Upper
 63 100
 98 8.0 2.6 7.8#
 100 6.4 1.5 4.4#





#25
Ethyl Acetate
Concen: 0.508 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

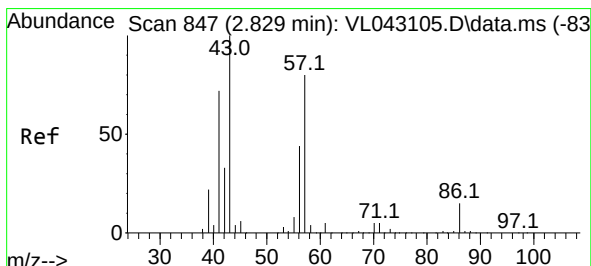
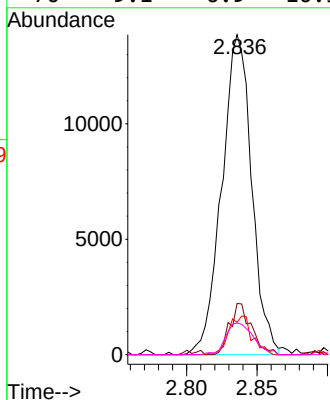
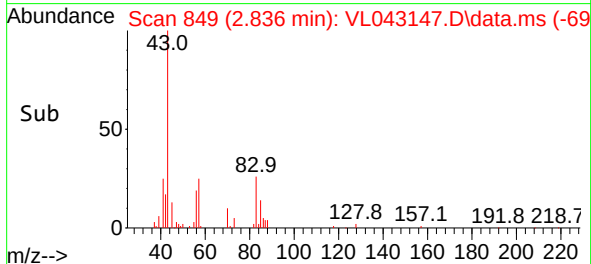
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 43 Resp: 20469
Ion Ratio Lower Upper
43 100
45 12.2 7.8 11.8
61 9.5 7.0 10.6
70 9.1 6.9 10.3

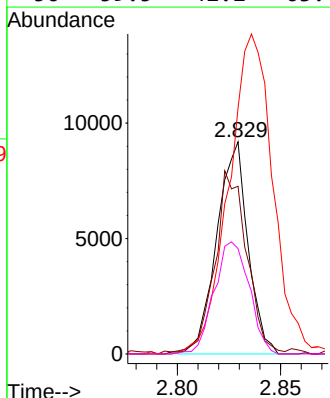
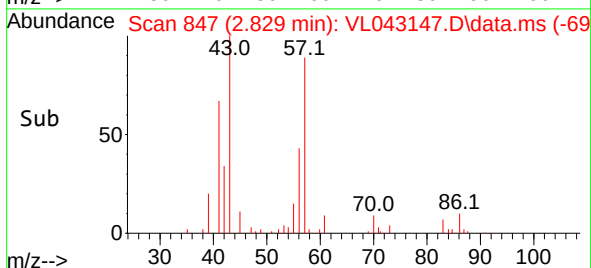
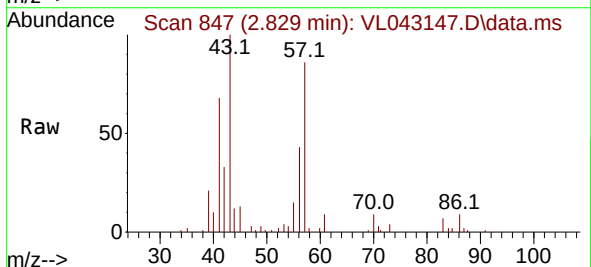
Manual Integrations
APPROVED

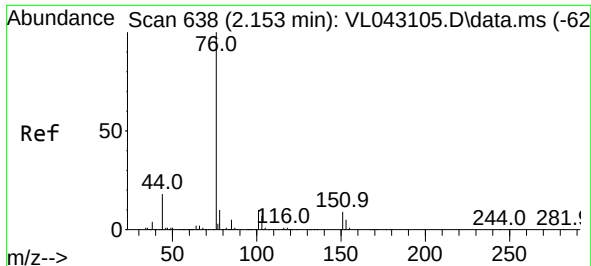
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#26
Hexane
Concen: 0.519 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 57 Resp: 9642
Ion Ratio Lower Upper
57 100
41 91.5 71.4 107.0
43 214.8 178.5 267.7
56 59.5 42.2 63.4





#27

Carbon Disulfide

Concen: 0.579 ppbv

RT: 2.150 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

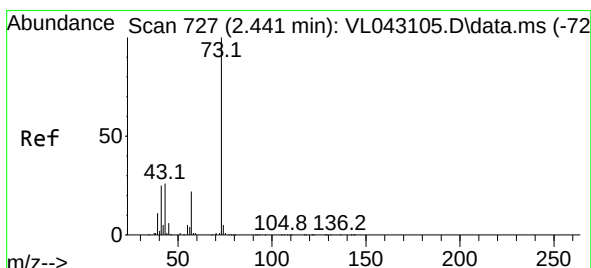
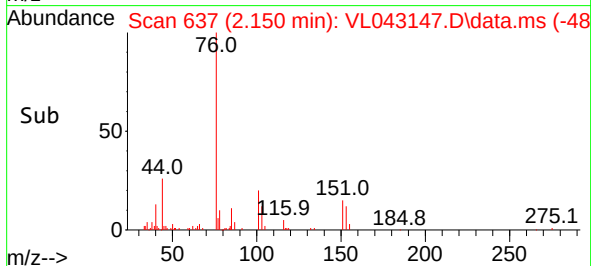
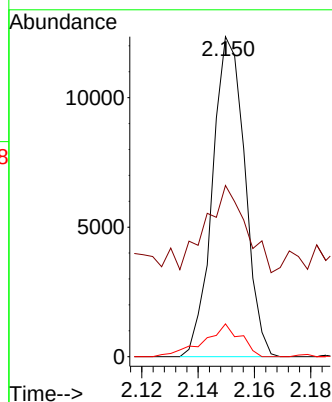
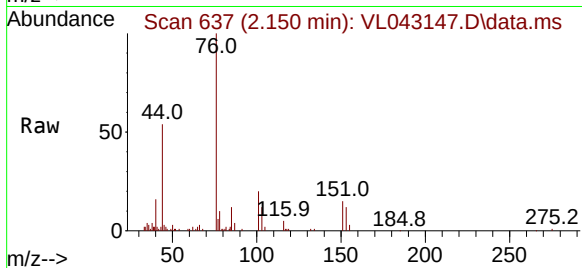
LOQ-AIR-02-QT4-2025

Tgt Ion:	76	Resp:	985
Ion Ratio	Lower	Upper	
76	100		
44	98.2	16.7	25.1
78	11.9	9.3	13.9

Manual Integrations

APPROVED

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



#28

Methyl tert-Butyl Ether

Concen: 0.542 ppbv m

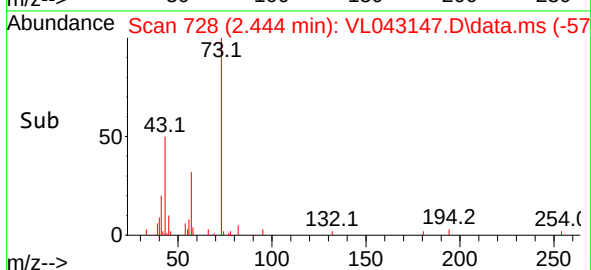
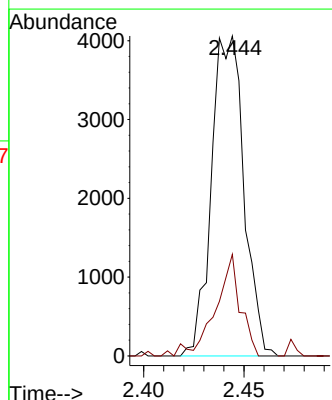
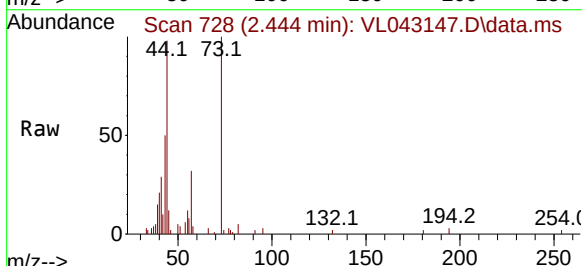
RT: 2.444 min Scan# 728

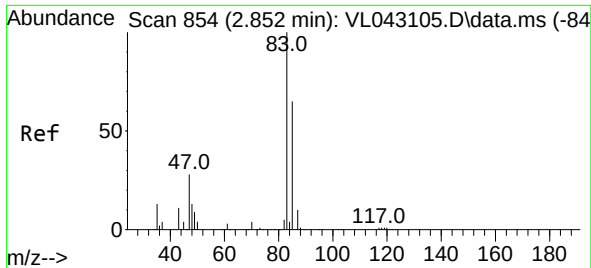
Delta R.T. 0.003 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

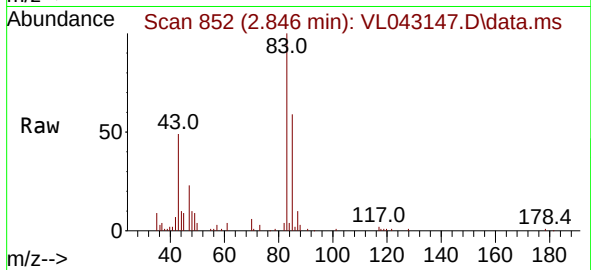
Tgt Ion:	73	Resp:	4579
Ion Ratio	Lower	Upper	
73	100		
57	0.0	20.5	30.7





#29
Chloroform
Concen: 0.610 ppbv
RT: 2.846 min Scan# 854
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

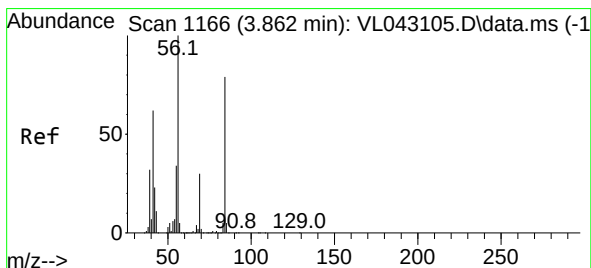
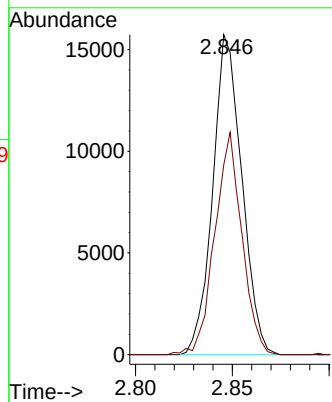
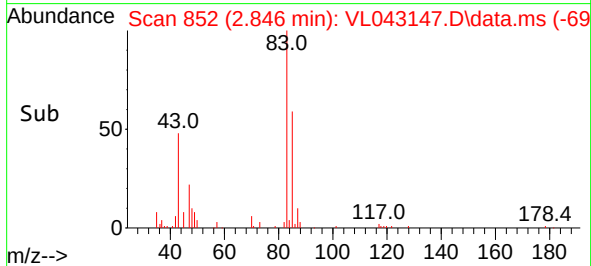
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 83 Resp: 16419
Ion Ratio Lower Upper
83 100
85 59.3 51.8 77.6

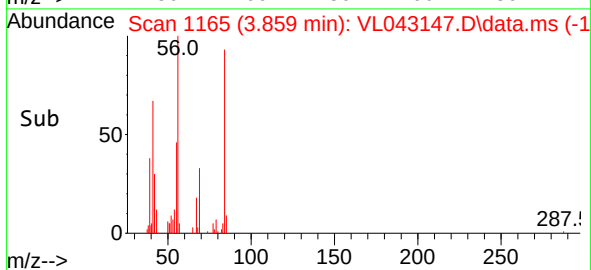
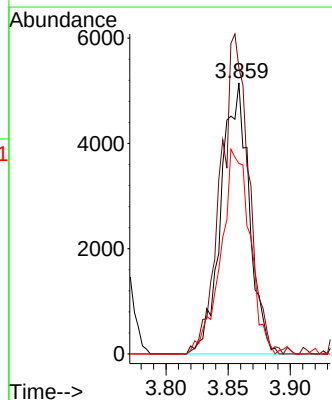
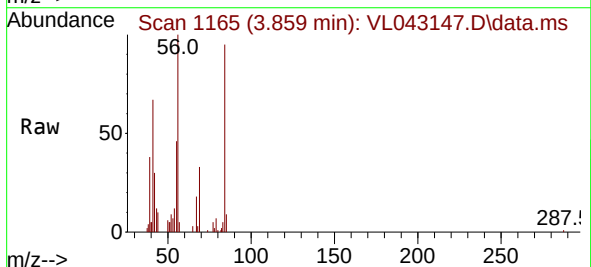
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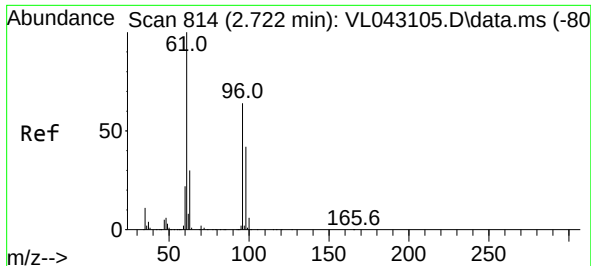
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#30
Cyclohexane
Concen: 0.498 ppbv m
RT: 3.859 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 84 Resp: 8075
Ion Ratio Lower Upper
84 100
56 119.8 100.9 151.3
41 0.0 63.8 95.6#





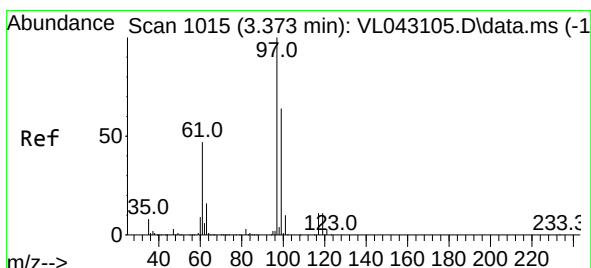
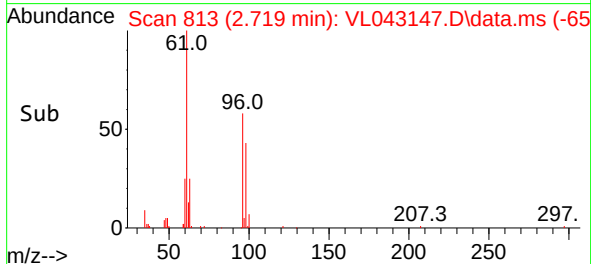
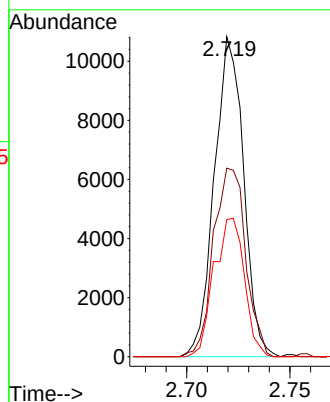
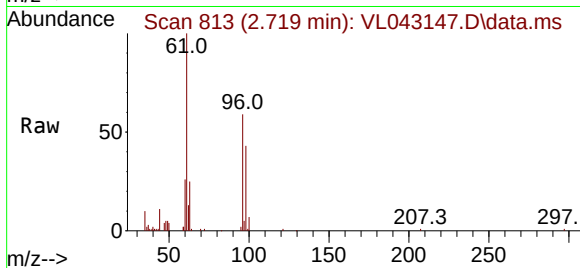
#31
cis-1,2-Dichloroethene
Concen: 0.601 ppbv
RT: 2.719 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 61 Resp: 10649
Ion Ratio Lower Upper
61 100
96 58.9 51.0 76.6
98 42.9 33.5 50.3

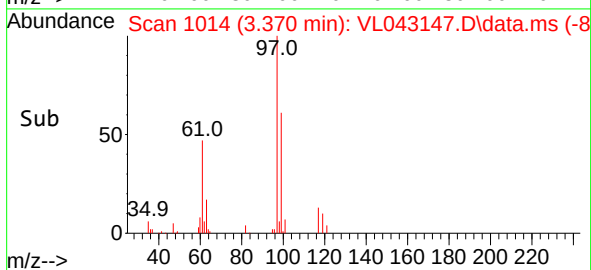
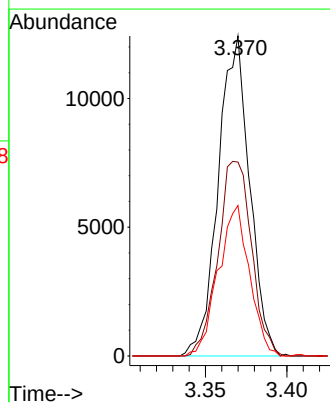
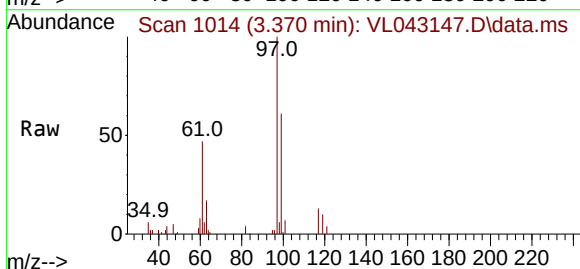
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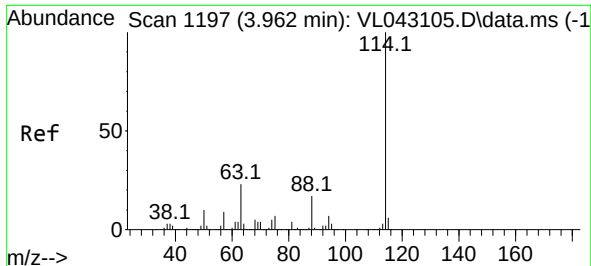
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#32
1,1,1-Trichloroethane
Concen: 0.592 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 97 Resp: 16589
Ion Ratio Lower Upper
97 100
99 65.3 51.3 76.9
61 47.0 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

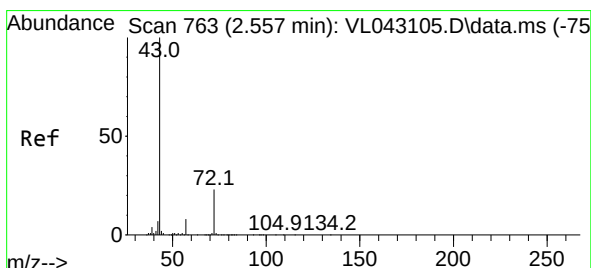
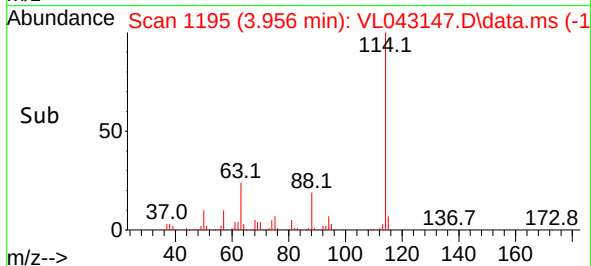
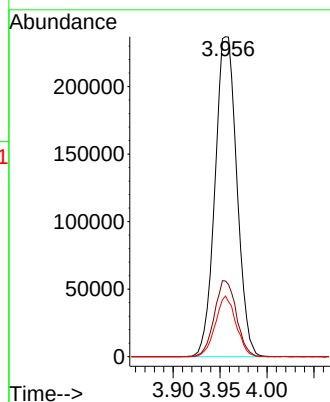
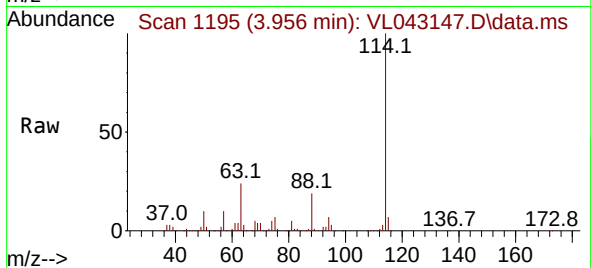
LOQ-AIR-02-QT4-2025

Tgt Ion:	114	Resp:	38230
Ion Ratio	Lower	Upper	
114	100		
63	24.0	19.3	28.9
88	17.9	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: 0.594 ppbv

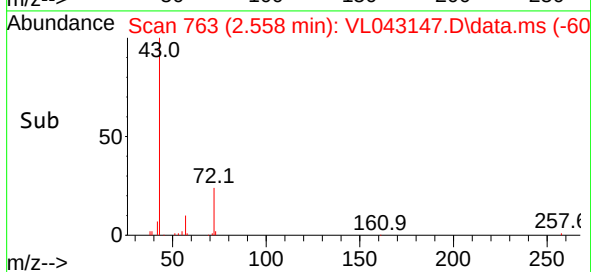
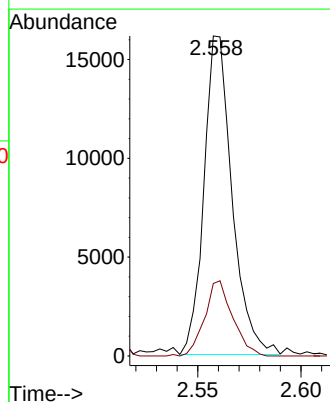
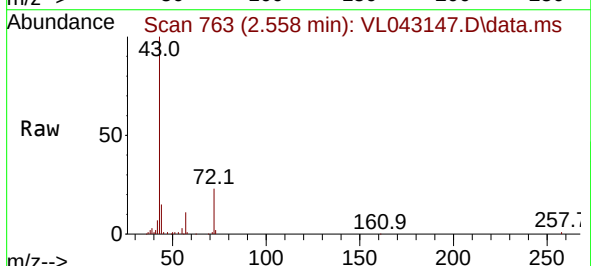
RT: 2.558 min Scan# 763

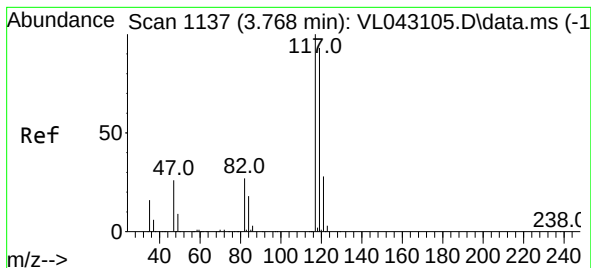
Delta R.T. 0.000 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	43	Resp:	15272
Ion Ratio	Lower	Upper	
43	100		
72	23.4	18.4	27.6





#35

Carbon Tetrachloride

Concen: 0.616 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. -0.003 min

Lab File: VL043147.D

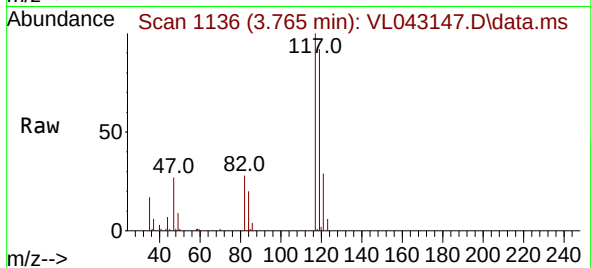
Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025



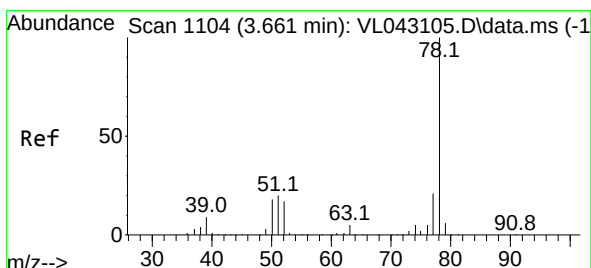
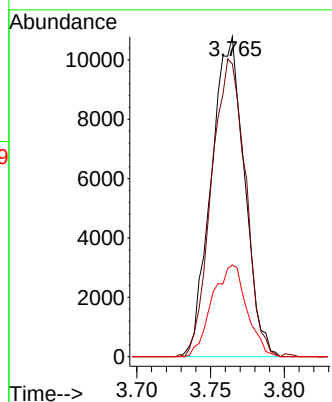
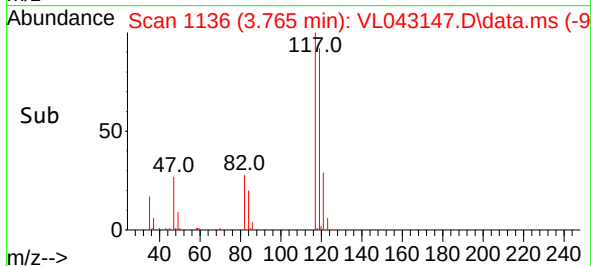
Tgt Ion: 117 Resp: 16936

Ion	Ratio	Lower	Upper
117	100		
119	91.5	74.1	111.1
121	28.6	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: 0.576 ppbv

RT: 3.658 min Scan# 1103

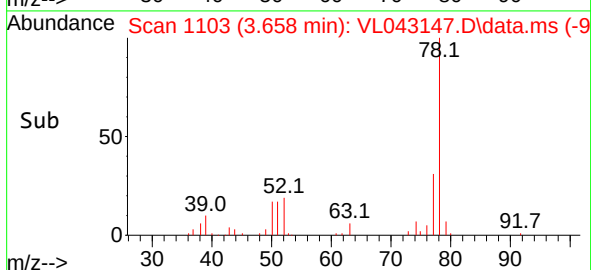
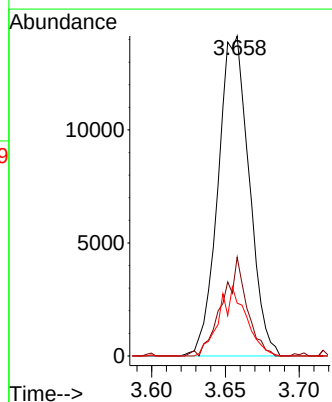
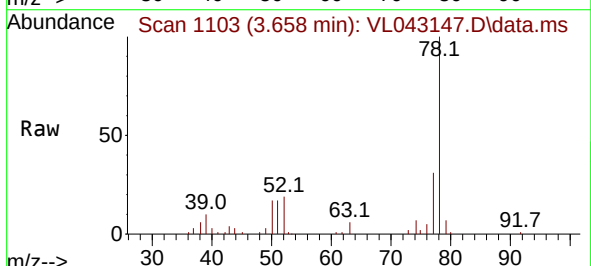
Delta R.T. -0.003 min

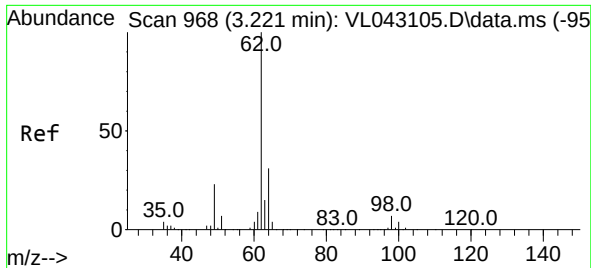
Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Tgt Ion: 78 Resp: 20740

Ion	Ratio	Lower	Upper
78	100		
77	30.9	17.0	25.6
50	16.5	14.6	22.0





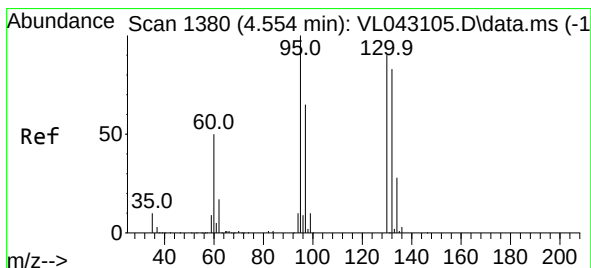
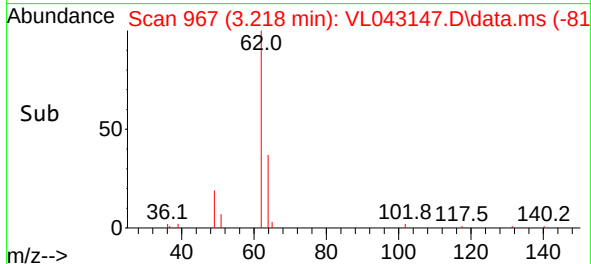
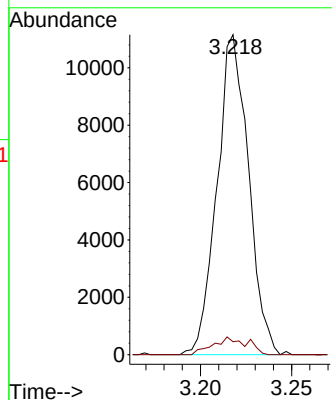
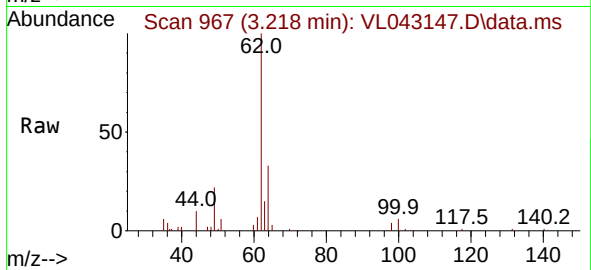
#37
1,2-Dichloroethane
Concen: 0.645 ppbv
RT: 3.218 min Scan# 967
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 62 Resp: 13380
Ion Ratio Lower Upper
62 100
98 6.0 5.8 8.6

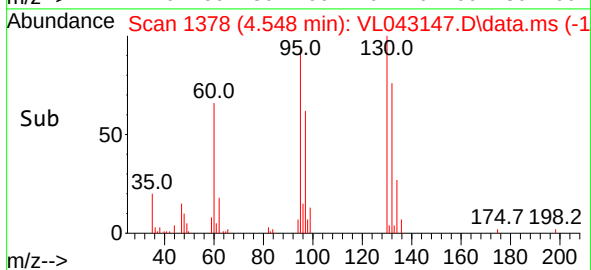
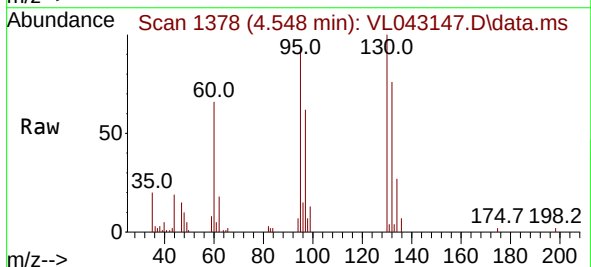
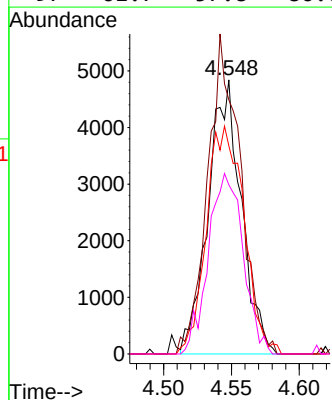
Manual Integrations
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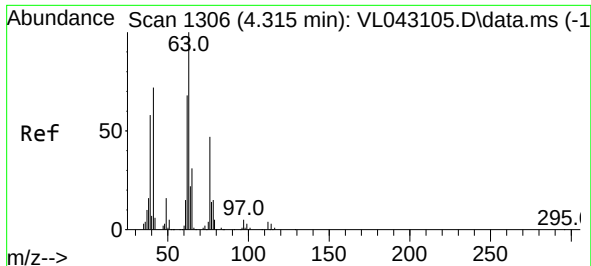
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#38
Trichloroethene
Concen: 0.544 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

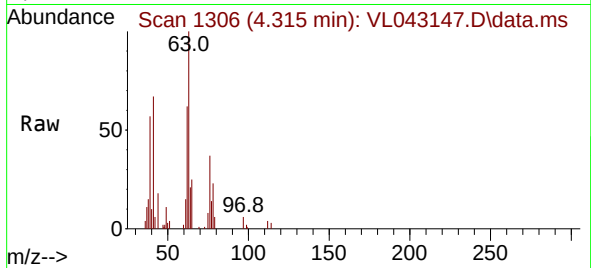
Tgt Ion:130 Resp: 8178
Ion Ratio Lower Upper
130 100
95 92.7 88.6 133.0
132 76.0 73.4 110.0
97 61.7 57.8 86.6





#39
1,2-Dichloropropane
Concen: 0.578 ppbv m
RT: 4.315 min Scan# 1306
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

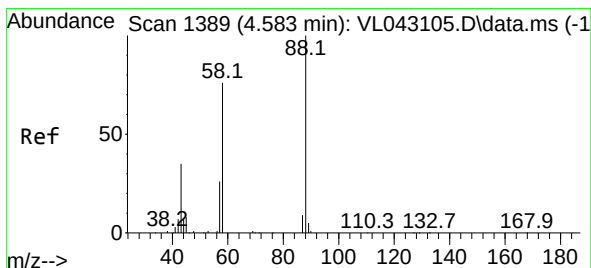
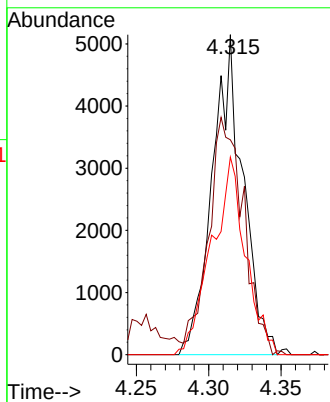
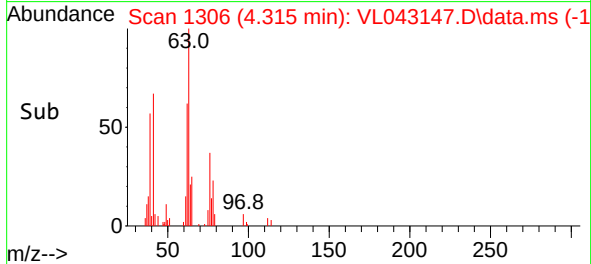
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 63 Resp: 761
Ion Ratio Lower Upper
63 100
41 67.2 58.0 87.0
62 61.8 54.7 82.1

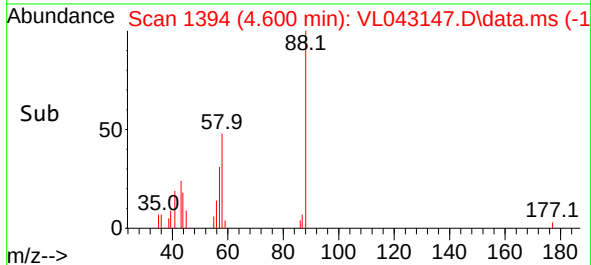
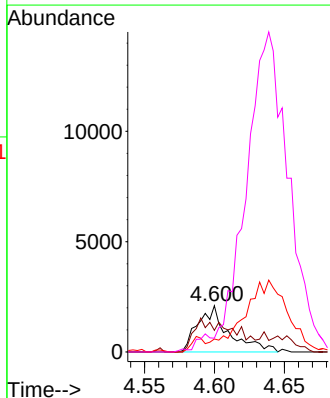
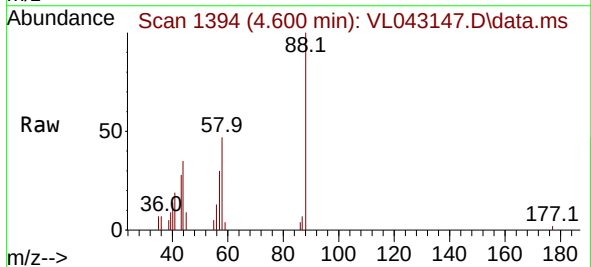
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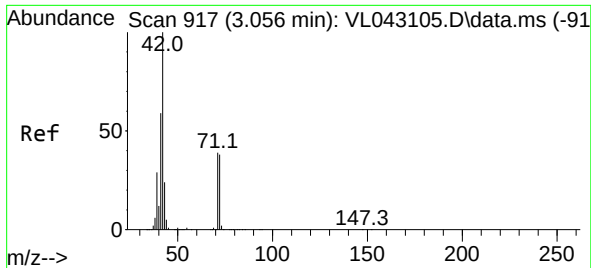
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#40
1,4-Dioxane
Concen: 0.549 ppbv m
RT: 4.600 min Scan# 1394
Delta R.T. 0.016 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

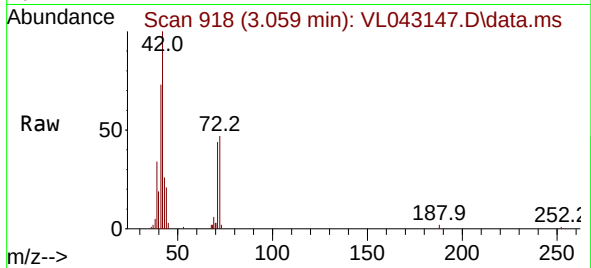
Tgt Ion: 88 Resp: 3232
Ion Ratio Lower Upper
88 100
58 130.8 61.1 91.7#
43 0.0 24.0 36.0#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.501 ppbv
RT: 3.059 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

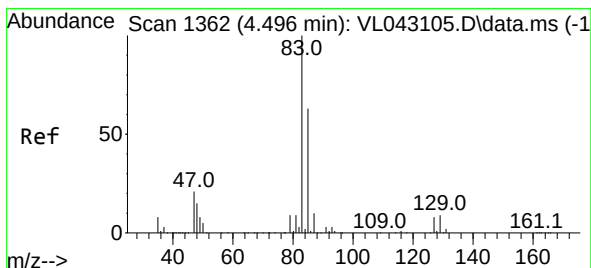
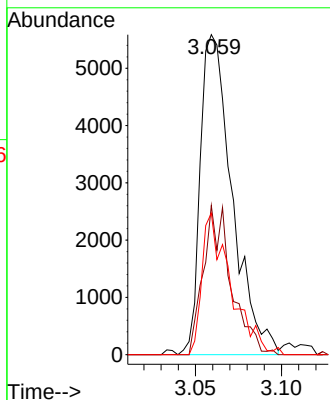
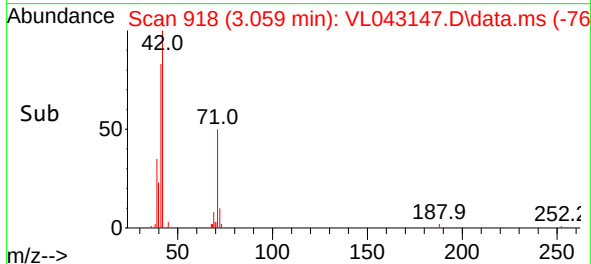
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 42 Resp: 7202
Ion Ratio Lower Upper
42 100
72 40.8 31.3 46.9
71 39.9 30.4 45.6

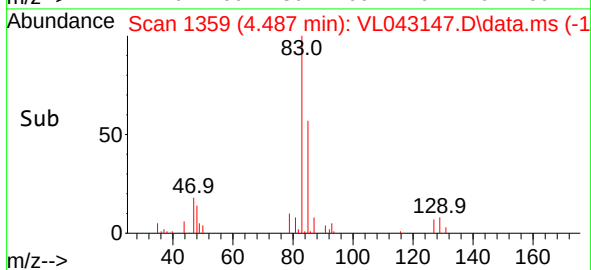
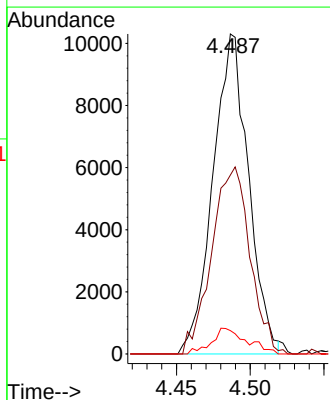
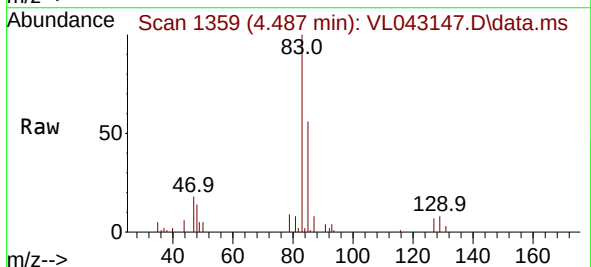
Manual Integrations
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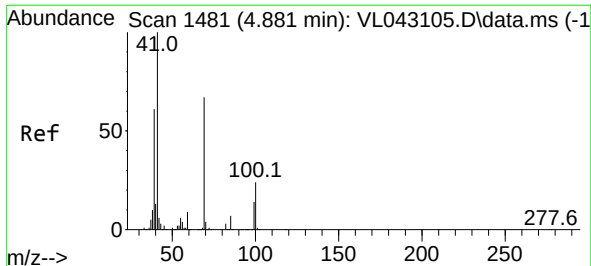
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#42
Bromodichloromethane
Concen: 0.600 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 83 Resp: 17227
Ion Ratio Lower Upper
83 100
85 55.9 50.6 75.8
127 7.3 6.3 9.5





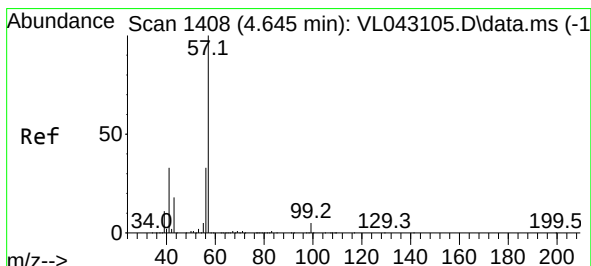
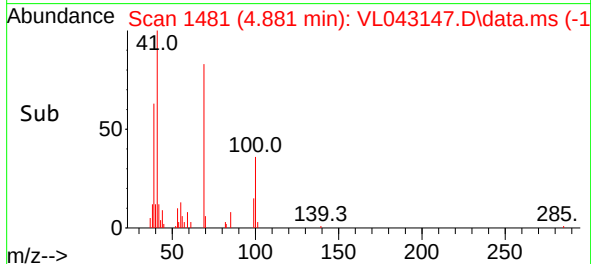
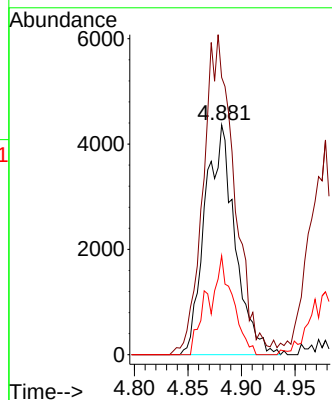
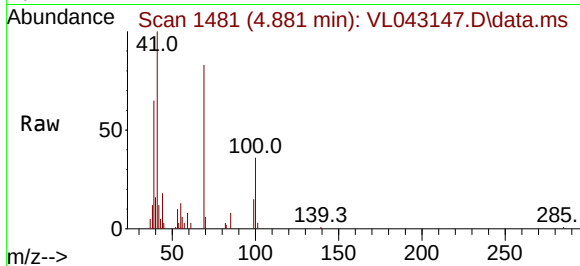
#43
Methyl Methacrylate
Concen: 0.467 ppbv m
RT: 4.881 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 69 Resp: 8532
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7
100 0.0 29.0 43.4

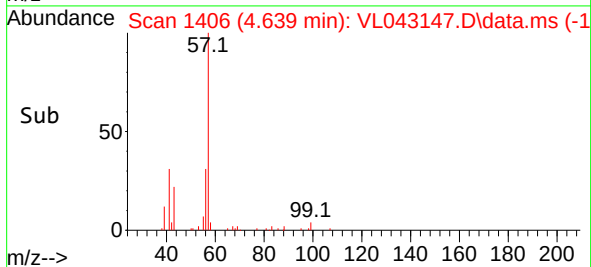
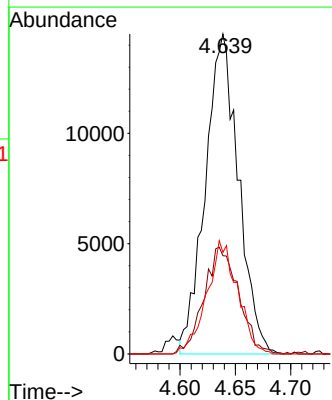
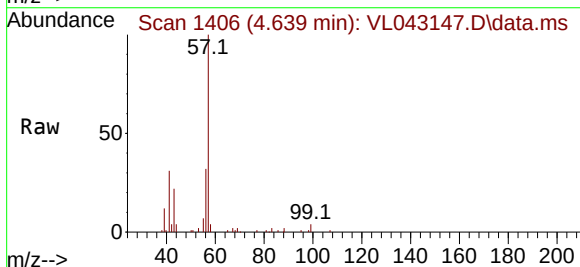
Manual Integrations
APPROVED

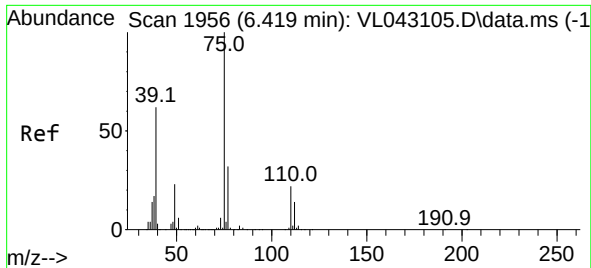
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#44
2,2,4-Trimethylpentane
Concen: 0.497 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

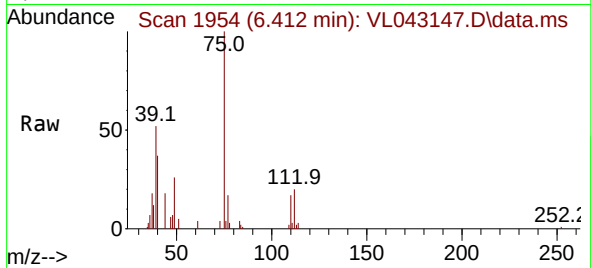
Tgt Ion: 57 Resp: 30220
Ion Ratio Lower Upper
57 100
41 35.3 26.3 39.5
56 32.9 25.9 38.9





#45
t-1,3-Dichloropropene
Concen: 0.517 ppbv m
RT: 6.412 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

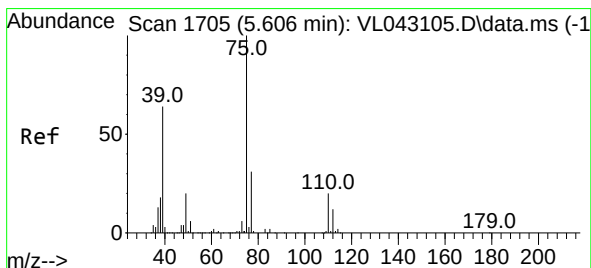
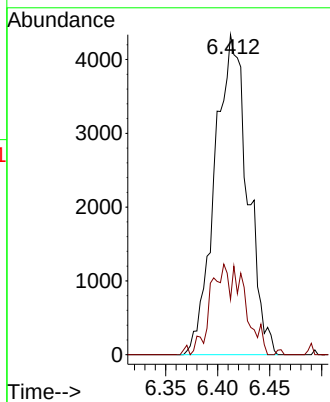
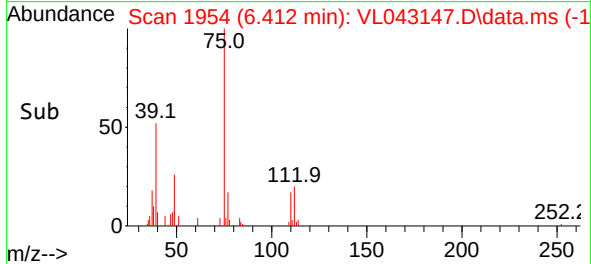
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 75 Resp: 9480
Ion Ratio Lower Upper
75 100
77 17.2 25.4 38.2

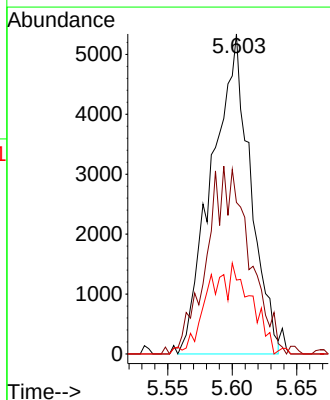
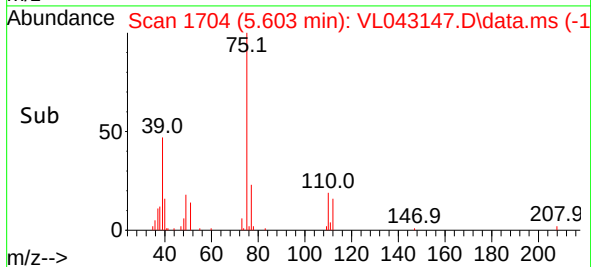
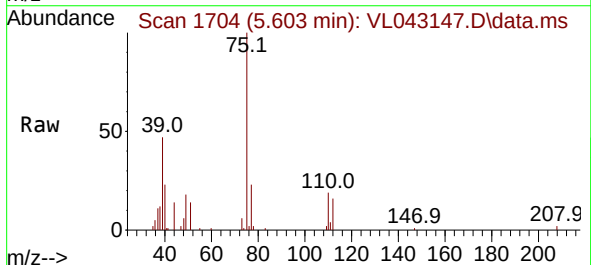
Manual Integrations
APPROVED

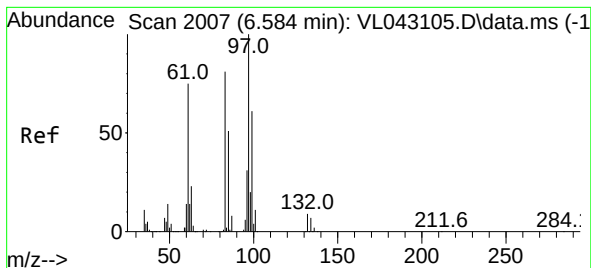
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#46
cis-1,3-Dichloropropene
Concen: 0.505 ppbv
RT: 5.603 min Scan# 1704
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 75 Resp: 11069
Ion Ratio Lower Upper
75 100
39 45.5 51.0 76.6#
77 22.1 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.576 ppbv

RT: 6.577 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025

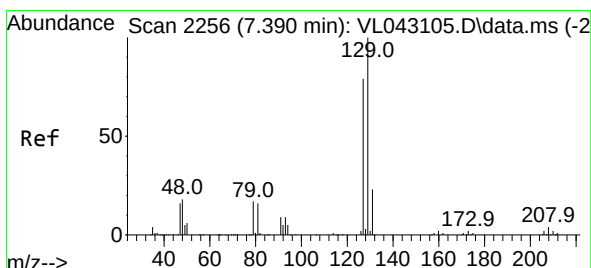
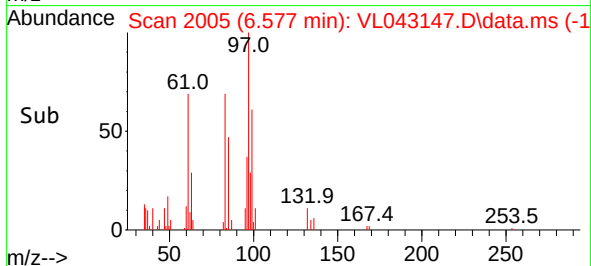
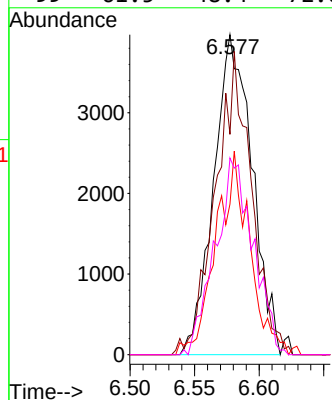
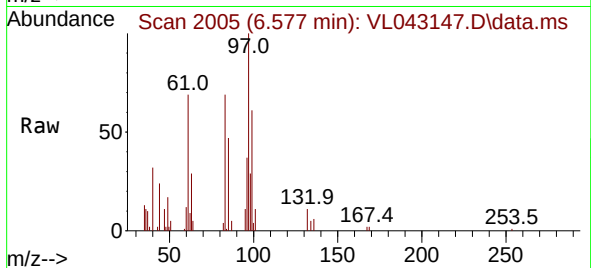
Tgt Ion: 97	Resp: 8190
Ion Ratio	Lower Upper
97 100	
83 63.8	64.6 96.8
85 43.3	40.6 60.8
99 61.5	48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#48

Dibromochloromethane

Concen: 0.582 ppbv m

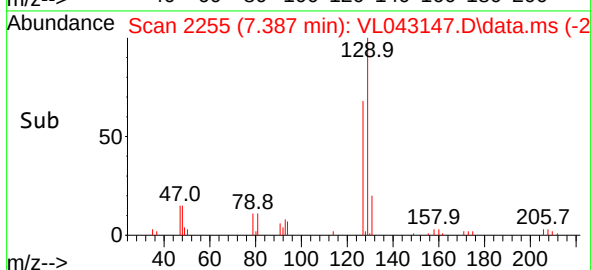
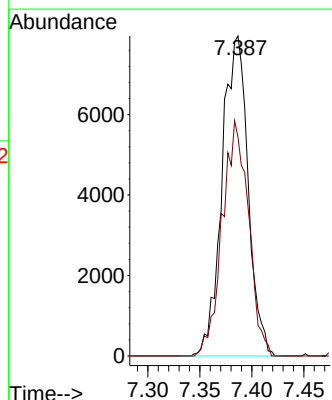
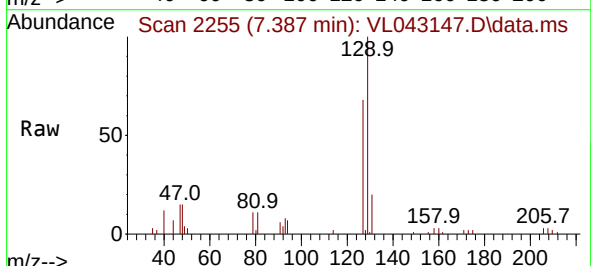
RT: 7.387 min Scan# 2255

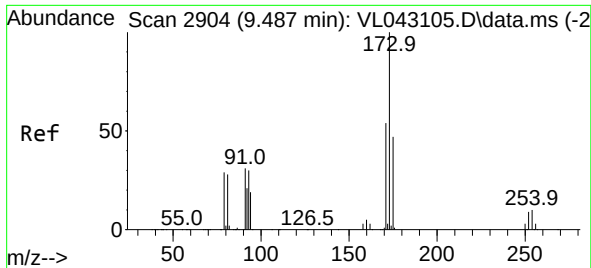
Delta R.T. -0.003 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

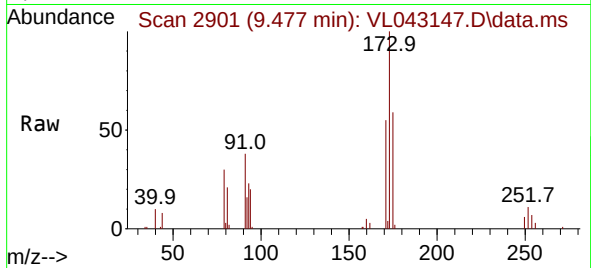
Tgt Ion:129	Resp: 13838
Ion Ratio	Lower Upper
129 100	
127 0.0	39.3 117.9#





#49
Bromoform
Concen: 0.591 ppbv
RT: 9.477 min Scan# 2904
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

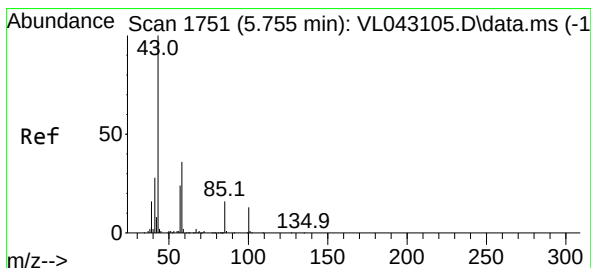
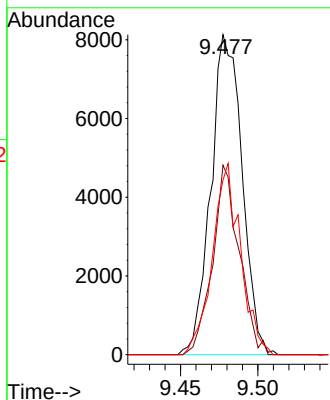
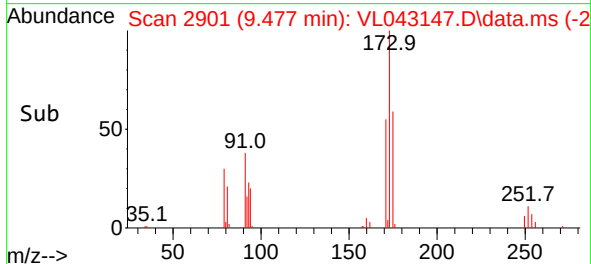
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion:173 Resp: 11414
Ion Ratio Lower Upper
173 100
175 50.6 38.8 58.2
171 53.6 41.7 62.5

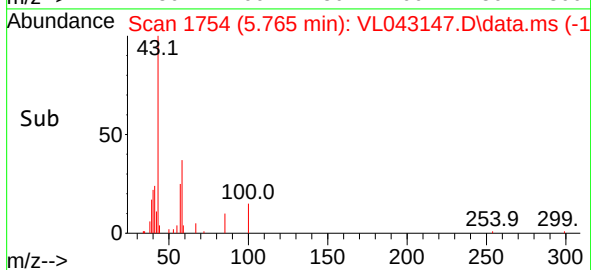
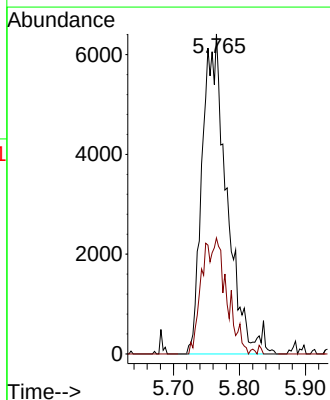
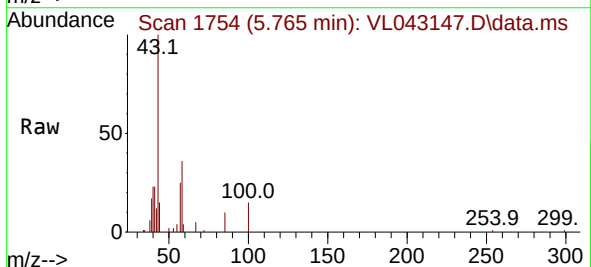
Manual Integrations
APPROVED

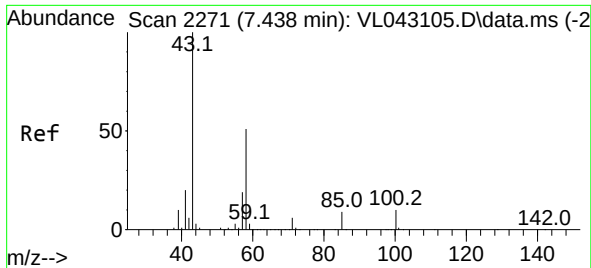
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#50
4-Methyl-2-Pentanone
Concen: 0.467 ppbv m
RT: 5.765 min Scan# 1754
Delta R.T. 0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 43 Resp: 16562
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#





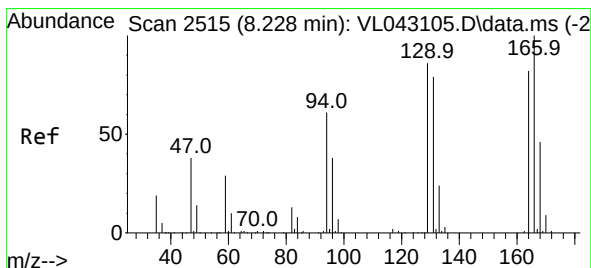
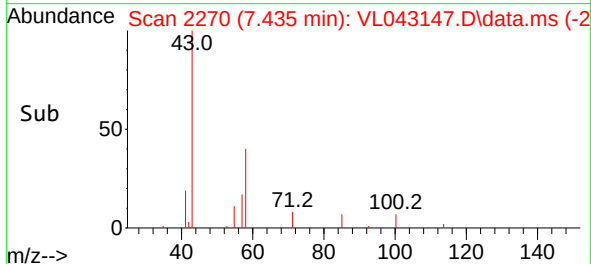
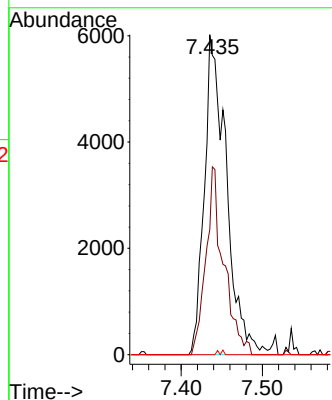
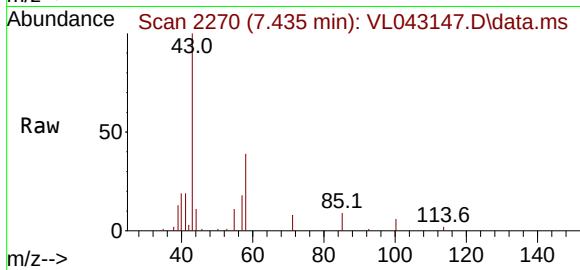
#51
2-Hexanone
Concen: 0.431 ppbv m
RT: 7.435 min Scan# 2145
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 46.9 40.4 60.6
98 0.0 0.1 0.1

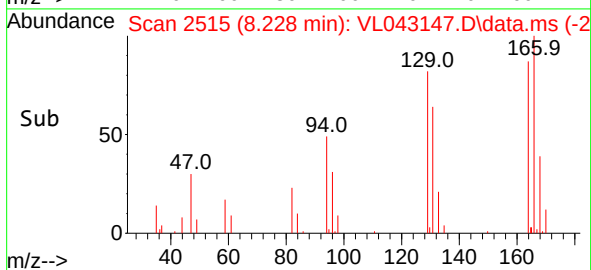
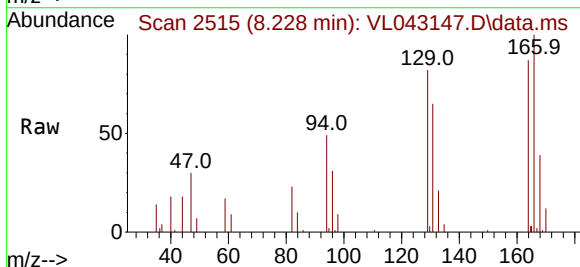
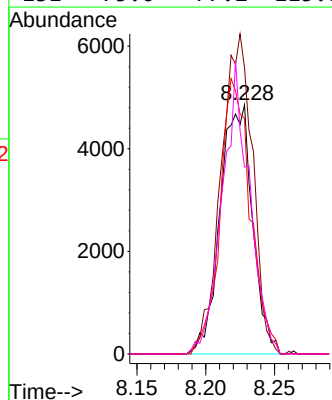
Manual Integrations
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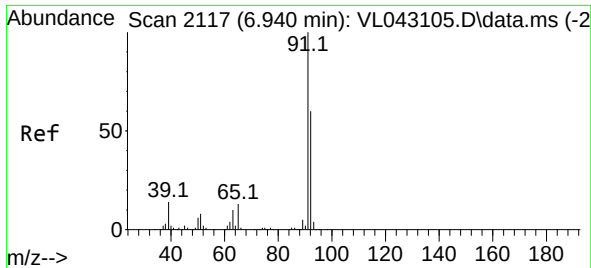
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#52
Tetrachloroethene
Concen: 0.609 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

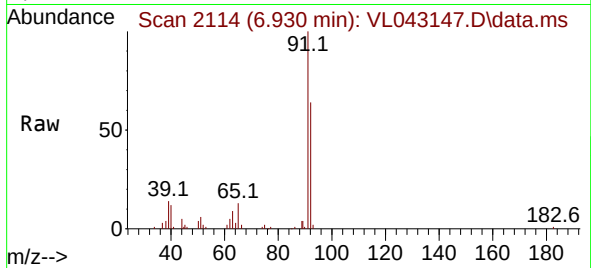
Tgt Ion:164 Resp: 7910
Ion Ratio Lower Upper
164 100
166 114.9 97.6 146.4
129 94.6 84.5 126.7
131 75.0 77.2 115.8





#53
Toluene
Concen: 0.480 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

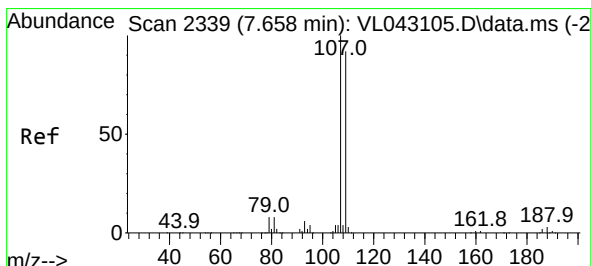
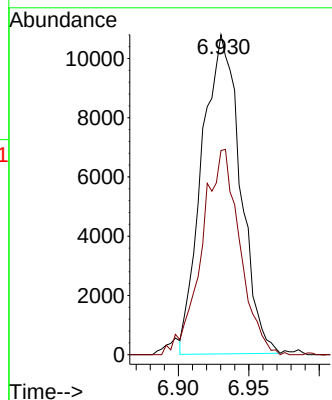
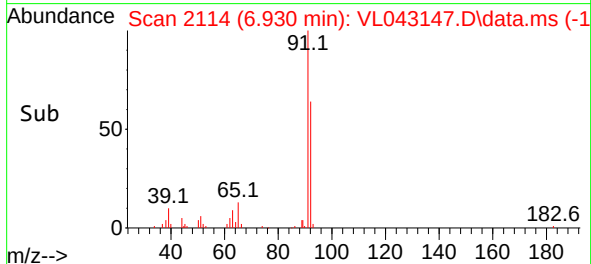
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



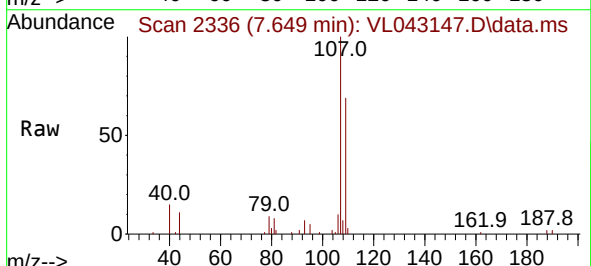
Tgt Ion: 91 Resp: 20519
Ion Ratio Lower Upper
91 100
92 63.2 48.8 73.2

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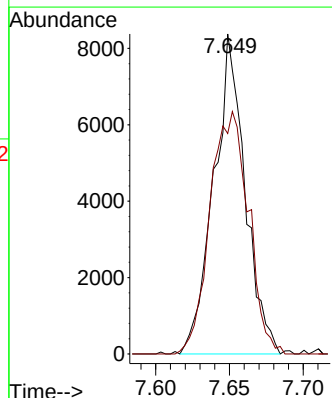
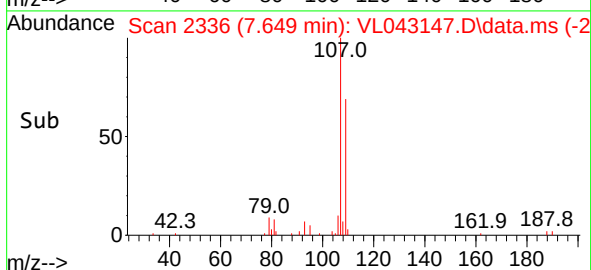
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

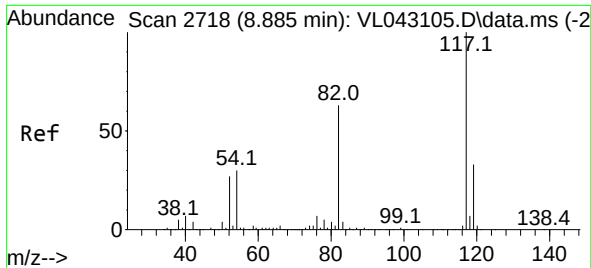


#54
1,2-Dibromoethane
Concen: 0.554 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19



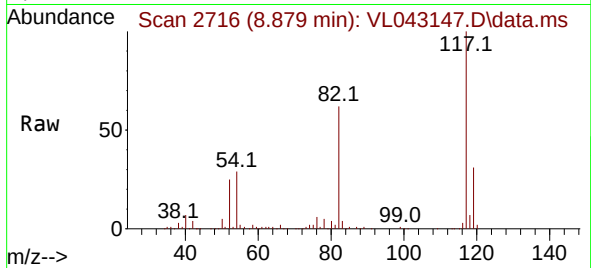
Tgt Ion:107 Resp: 12338
Ion Ratio Lower Upper
107 100
109 68.0 73.4 110.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2718
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

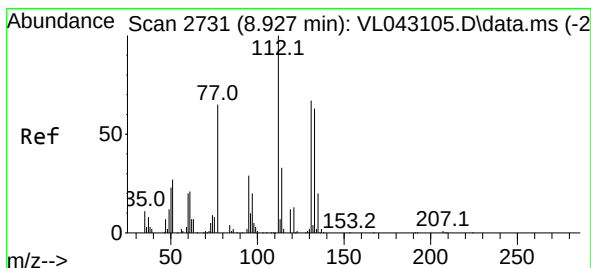
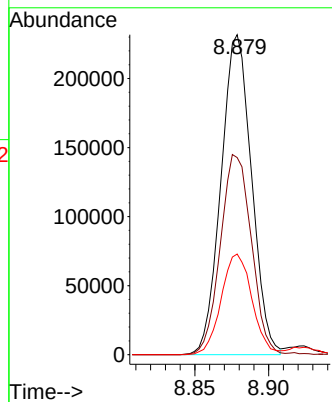
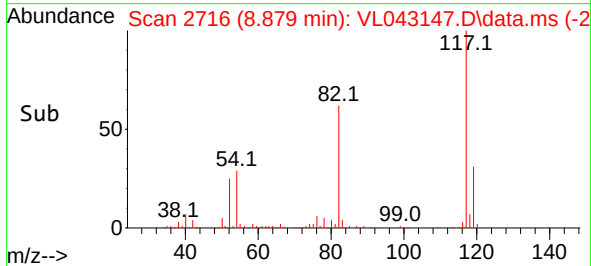
Instrument : MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion:117 Resp: 333519
Ion Ratio Lower Upper
117 100
82 63.9 53.8 80.8
119 34.1 25.4 38.0

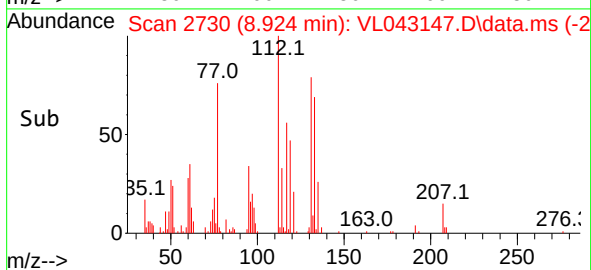
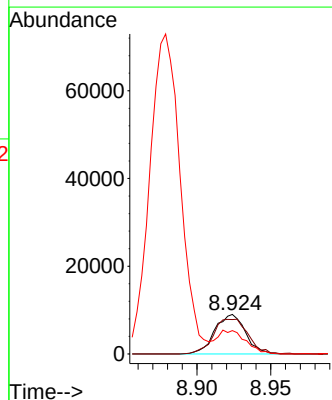
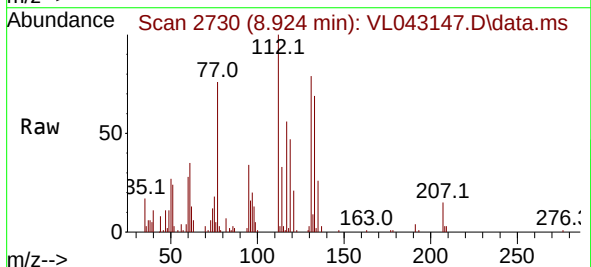
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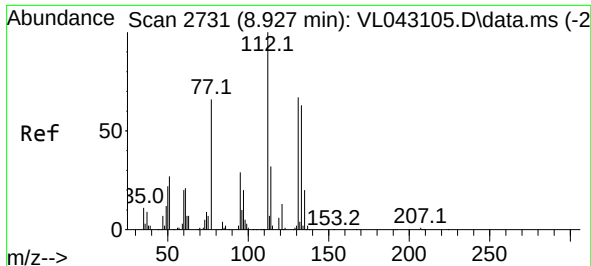
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.620 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:131 Resp: 13031
Ion Ratio Lower Upper
131 100
133 99.7 75.7 113.5
119 870.7 50.6 76.0#





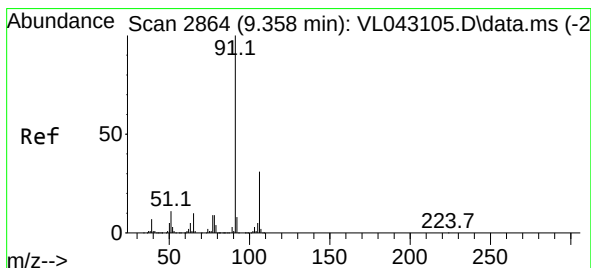
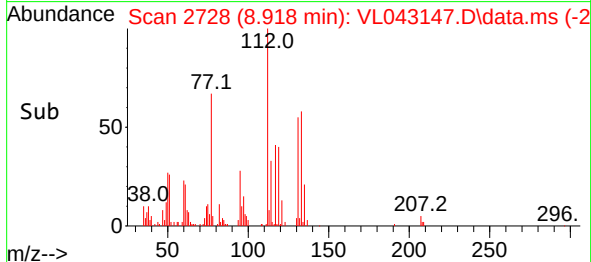
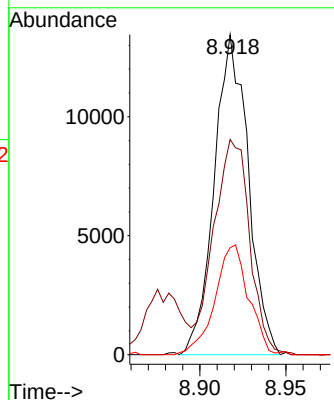
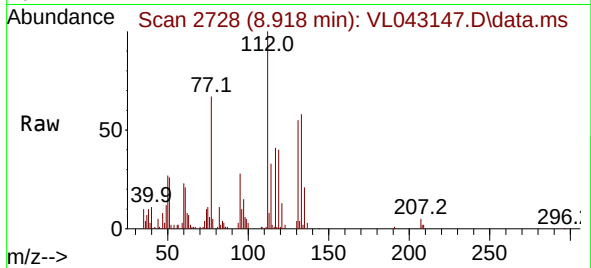
#57
Chlorobenzene
Concen: 0.592 ppbv
RT: 8.918 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion:112 Resp: 18460
Ion Ratio Lower Upper
112 100
77 65.7 53.3 79.9
114 35.2 29.3 35.8

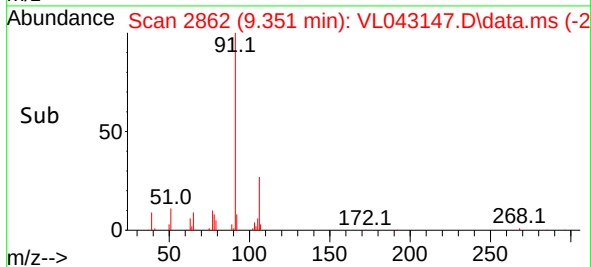
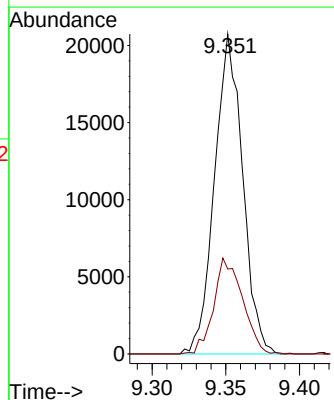
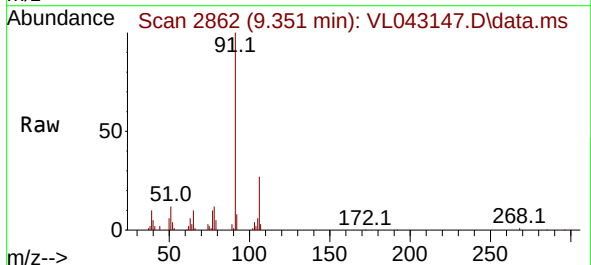
Manual Integrations
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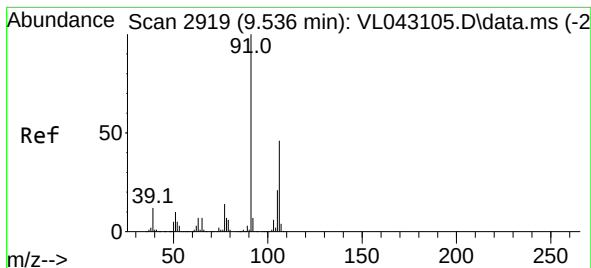
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#58
Ethyl Benzene
Concen: 0.479 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 91 Resp: 27443
Ion Ratio Lower Upper
91 100
106 26.6 24.8 37.2





#59

m/p-Xylene

Concen: 1.007 ppbv m

RT: 9.552 min Scan# 2919

Delta R.T. 0.016 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025

Tgt Ion: 91 Resp: 4598

Ion Ratio Lower Upper

91 100

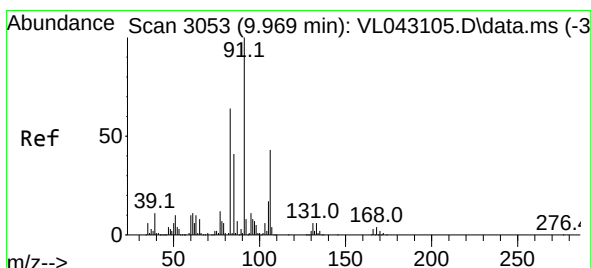
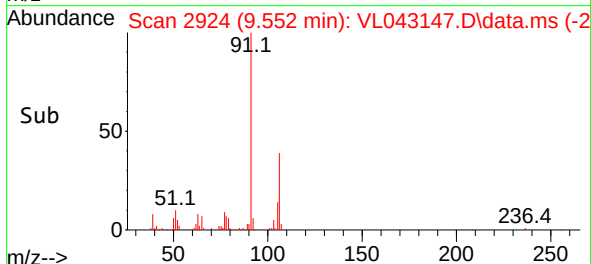
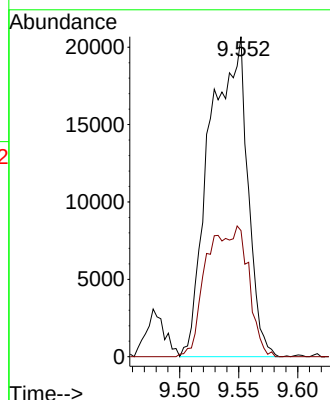
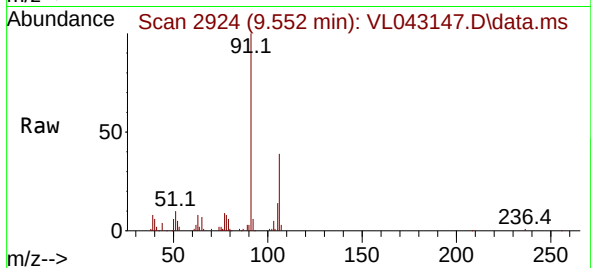
106 0.0 38.0 57.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#60

o-Xylene

Concen: 0.496 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. -0.010 min

Lab File: VL043147.D

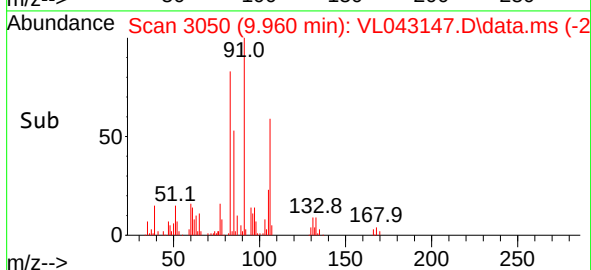
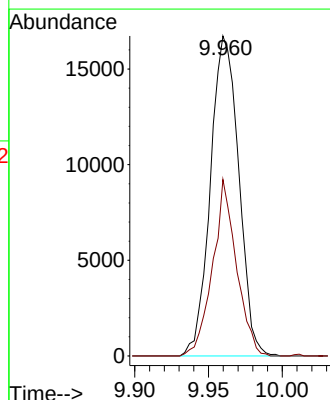
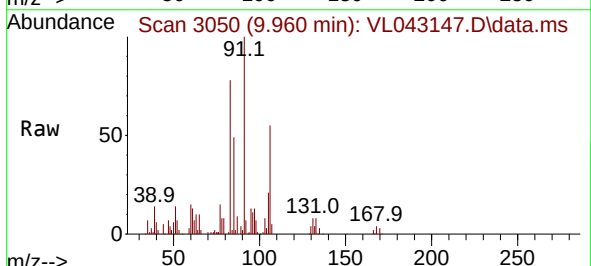
Acq: 04 Nov 2025 10:19

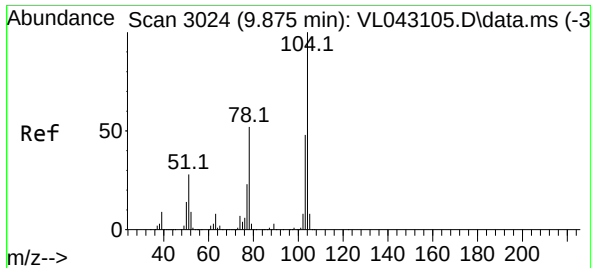
Tgt Ion: 91 Resp: 22365

Ion Ratio Lower Upper

91 100

106 46.4 21.9 65.8





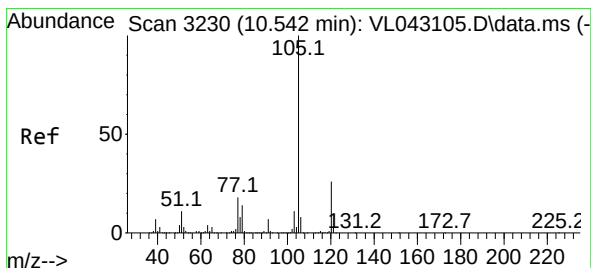
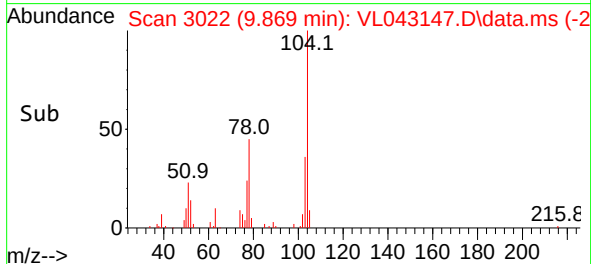
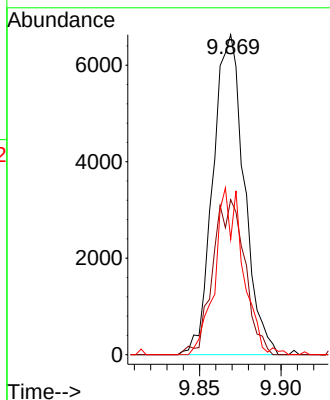
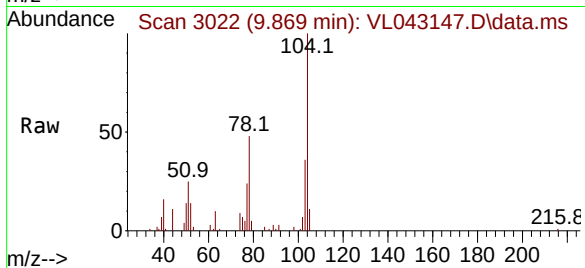
#61
Styrene
Concen: 0.432 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion:104 Resp: 879
Ion Ratio Lower Upper
104 100
78 50.0 40.2 60.2
103 47.0 36.9 55.3

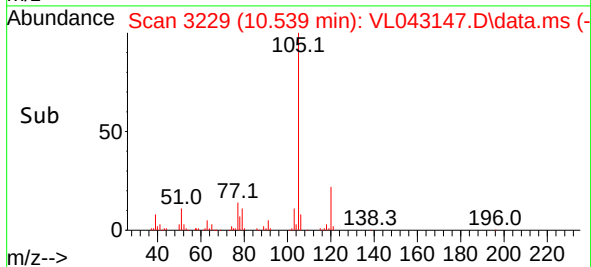
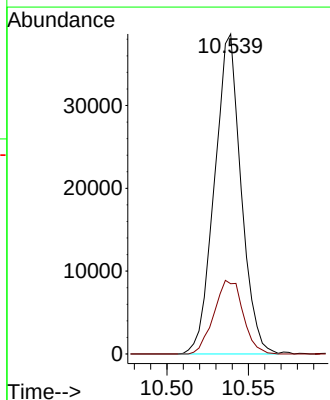
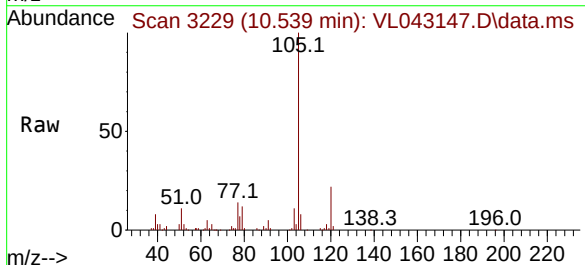
Manual Integrations
APPROVED

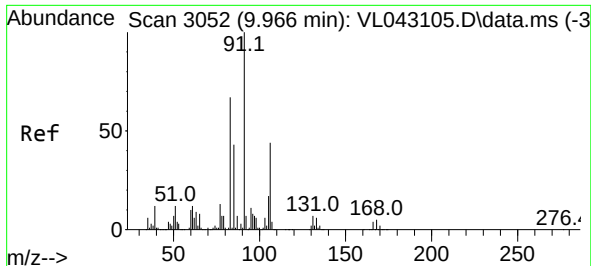
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#62
Isopropylbenzene
Concen: 0.537 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:105 Resp: 43714
Ion Ratio Lower Upper
105 100
120 25.2 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.576 ppbv

RT: 9.960 min Scan# 3052

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

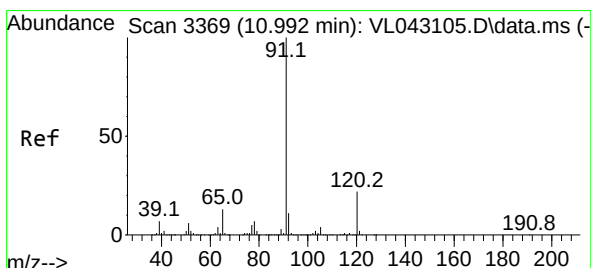
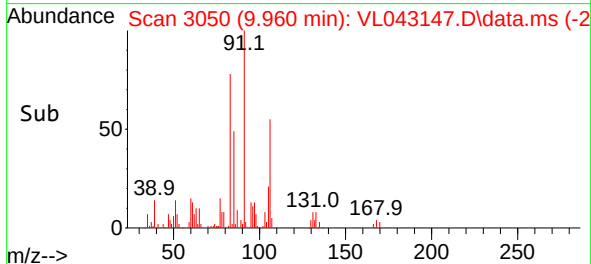
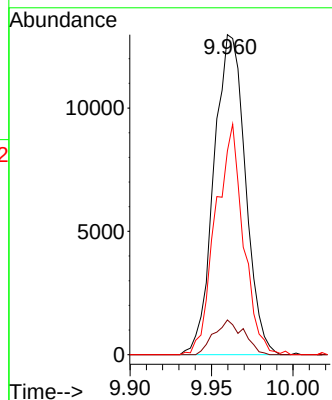
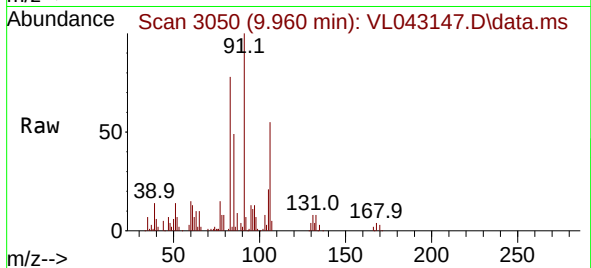
LOQ-AIR-02-QT4-2025

Tgt Ion:	83	Resp:	1739
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.3
85	64.2	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: 0.539 ppbv

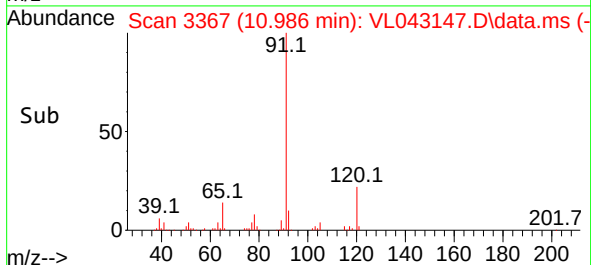
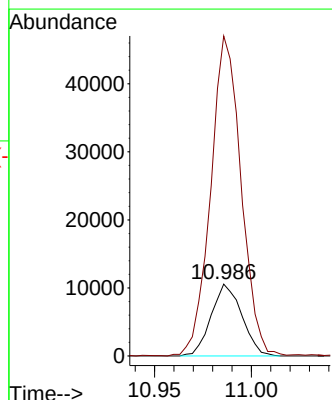
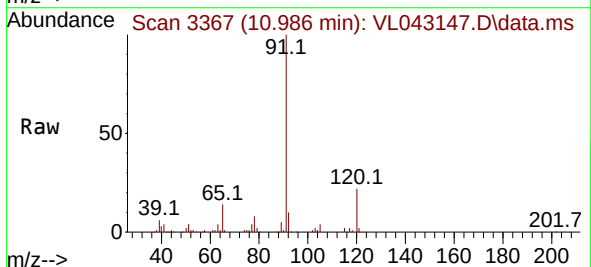
RT: 10.986 min Scan# 3367

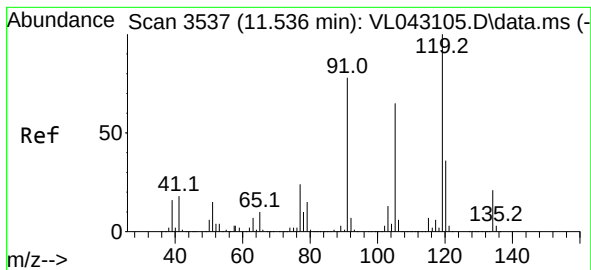
Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	120	Resp:	11622
Ion	Ratio	Lower	Upper
120	100		
91	444.0	361.6	542.4





#65

tert-Butylbenzene

Concen: 0.543 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

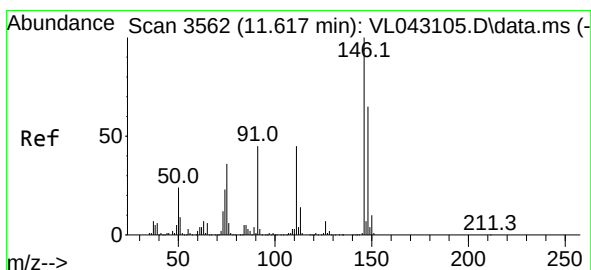
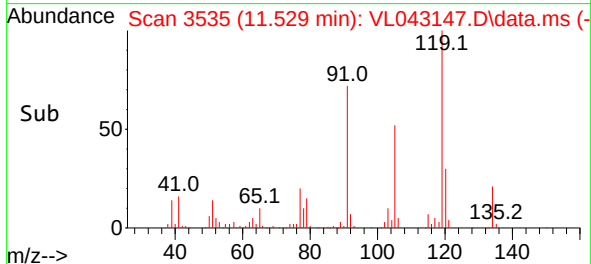
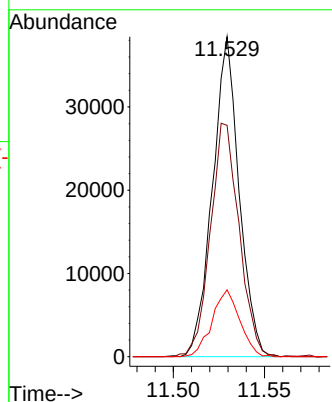
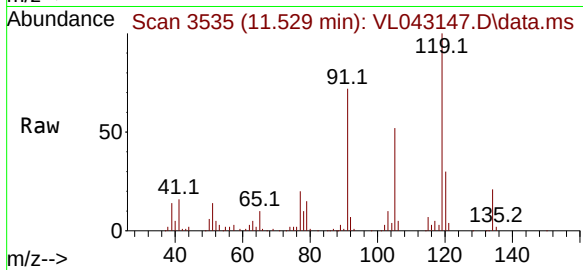
LOQ-AIR-02-QT4-2025

Tgt Ion:	119	Resp:	3904
Ion Ratio	Lower	Upper	
119	100		
91	78.9	63.4	95.0
134	21.7	17.3	25.9

Manual Integrations

APPROVED

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



#66

Benzyl Chloride

Concen: 0.432 ppbv

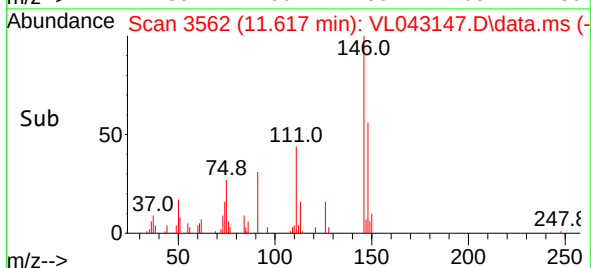
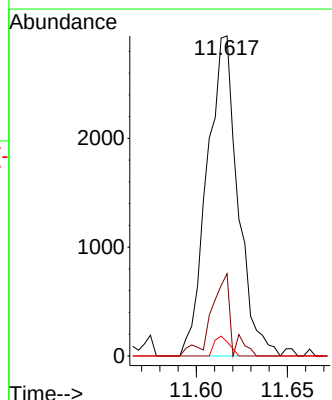
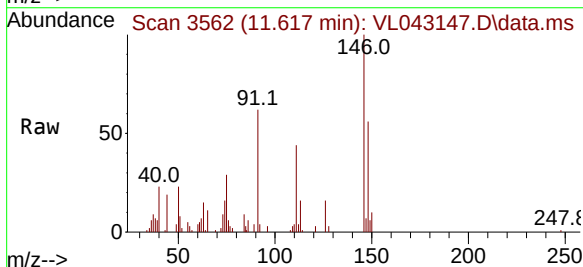
RT: 11.617 min Scan# 3562

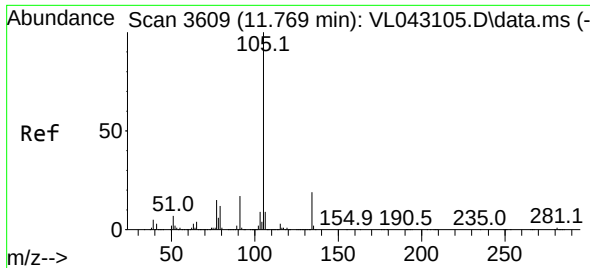
Delta R.T. 0.000 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

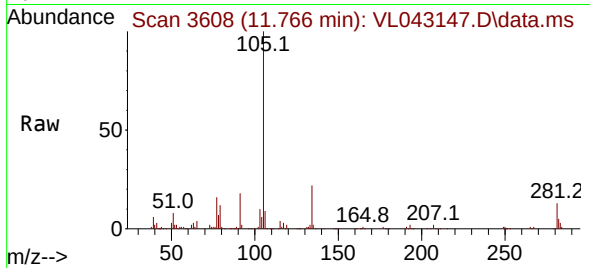
Tgt Ion:	91	Resp:	3461
Ion Ratio	Lower	Upper	
91	100		
126	16.6	14.6	22.0
128	2.9	4.6	6.8





#67
 sec-Butylbenzene
 Concen: 0.534 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

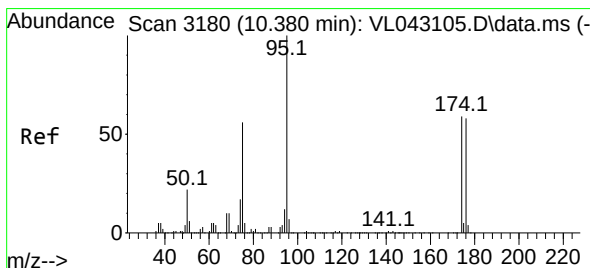
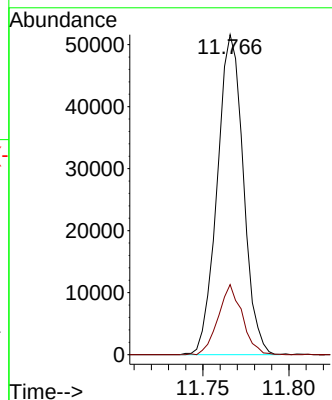
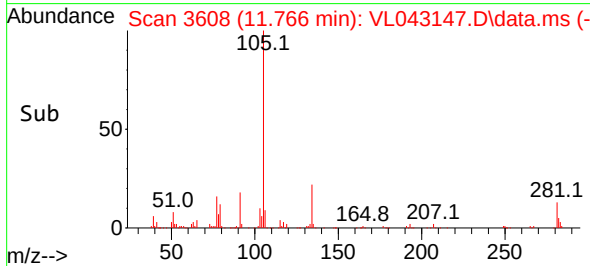
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025



Tgt Ion:105 Resp: 54508
 Ion Ratio Lower Upper
 105 100
 134 20.2 15.5 23.3

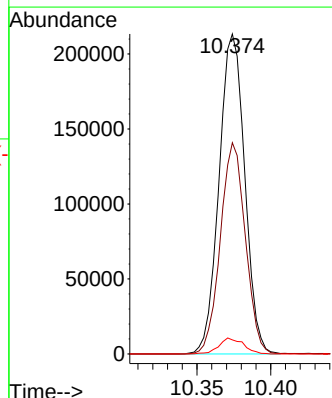
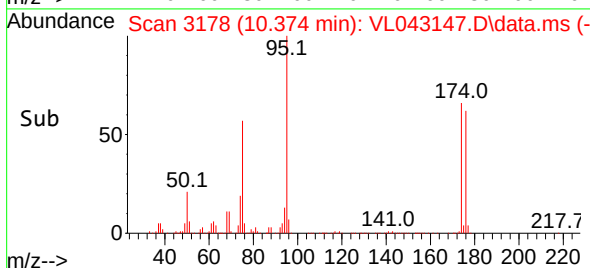
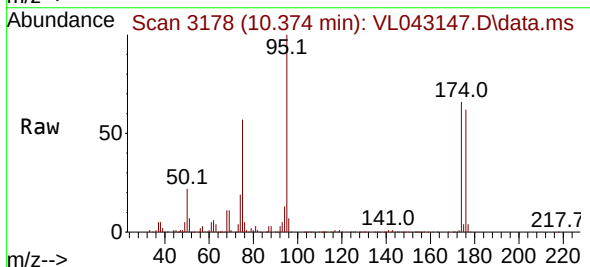
Manual Integrations
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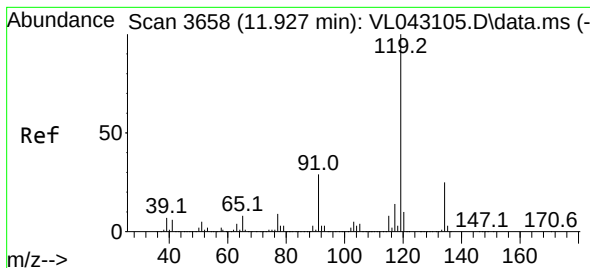
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.956 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.006 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

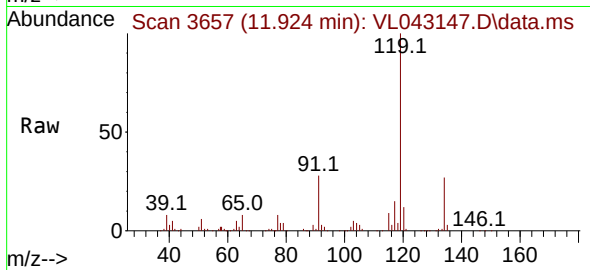
Tgt Ion: 95 Resp: 258090
 Ion Ratio Lower Upper
 95 100
 174 64.5 48.3 72.5
 175 4.8 3.8 5.8





#69
 p-Isopropyltoluene
 Concen: 0.521 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

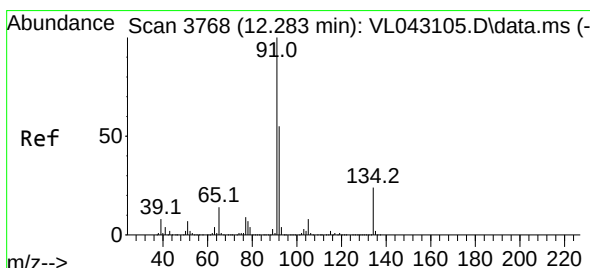
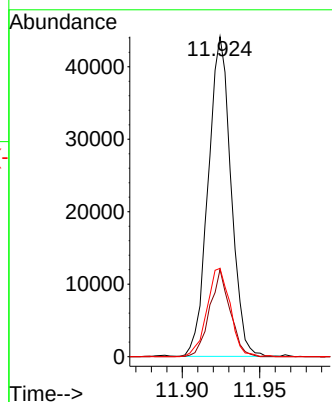
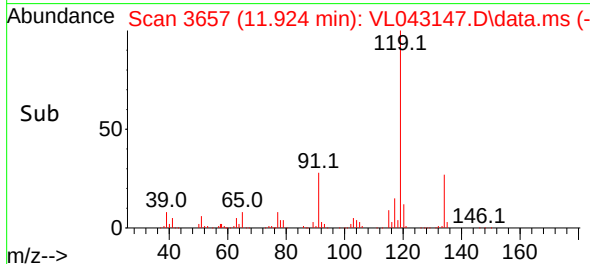
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025



Tgt Ion: 119 Resp: 45168
 Ion Ratio Lower Upper
 119 100
 134 24.5 20.3 30.5
 91 28.3 22.6 33.8

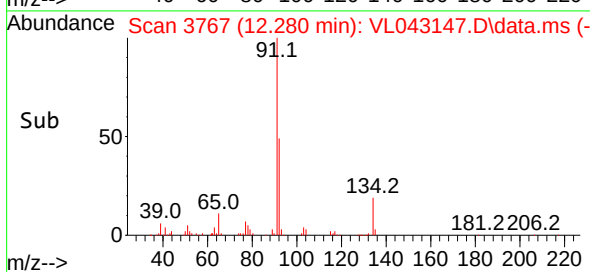
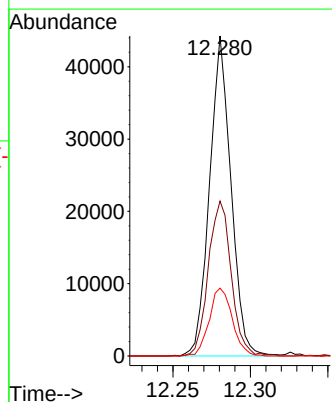
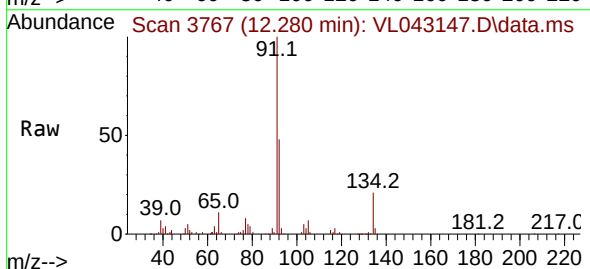
Manual Integrations
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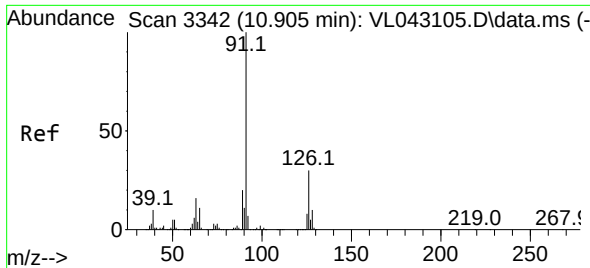
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#70
 n-Butylbenzene
 Concen: 0.498 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Tgt Ion: 91 Resp: 42575
 Ion Ratio Lower Upper
 91 100
 92 51.8 44.5 66.7
 134 22.8 19.3 28.9





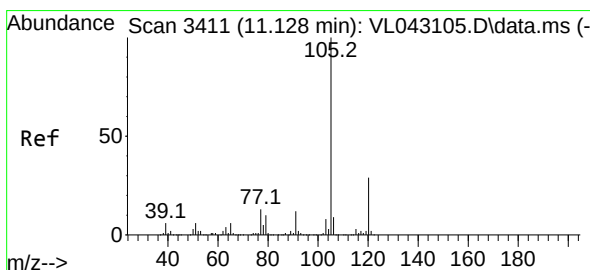
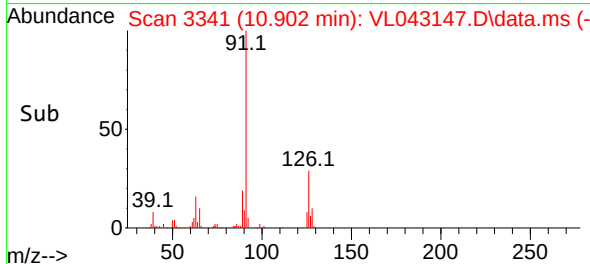
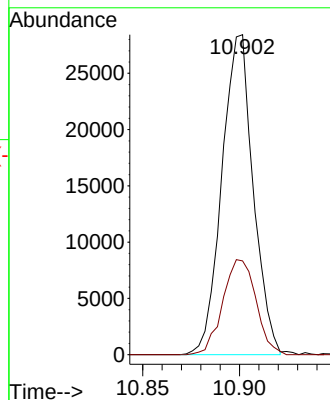
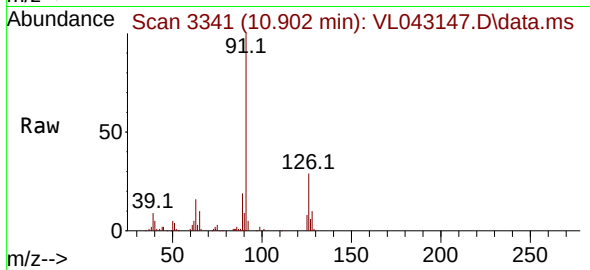
#71
2-Chlorotoluene
Concen: 0.515 ppbv
RT: 10.902 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion: 91 Resp: 3202
Ion Ratio Lower Upper
91 100
126 31.5 12.0 48.0

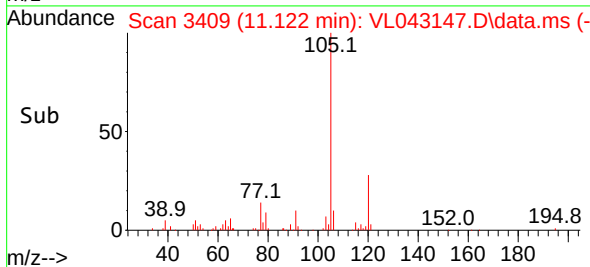
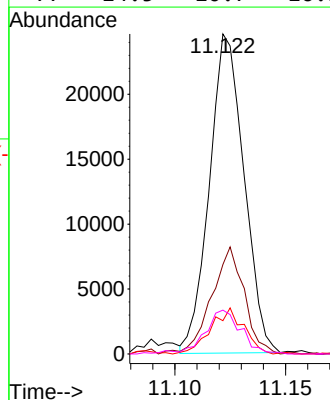
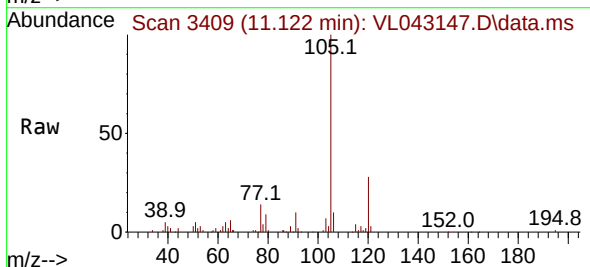
Manual Integrations
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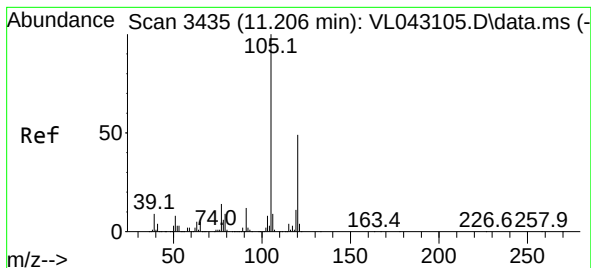
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#72
4-Ethyltoluene
Concen: 0.481 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:105 Resp: 26689
Ion Ratio Lower Upper
105 100
120 32.7 24.2 36.4
91 14.7 10.0 15.0
77 14.5 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.497 ppbv

RT: 11.199 min Scan# 3435

Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_L

ClientSampleId :

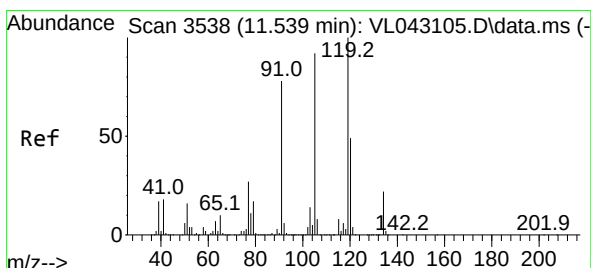
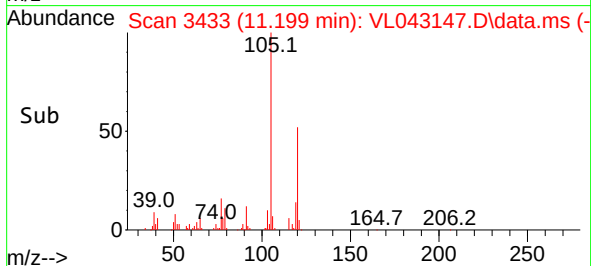
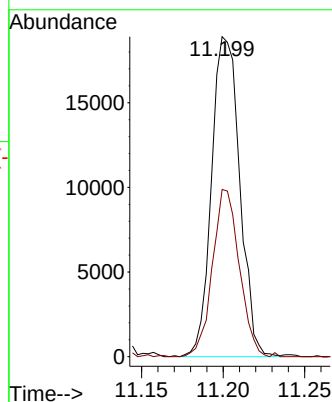
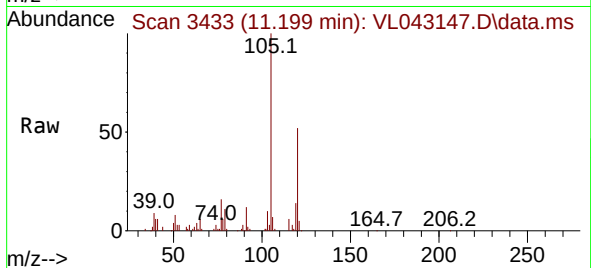
LOQ-AIR-02-QT4-2025

Tgt Ion:105 Resp: 22734
 Ion Ratio Lower Upper
 105 100
 120 52.2 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: 0.519 ppbv

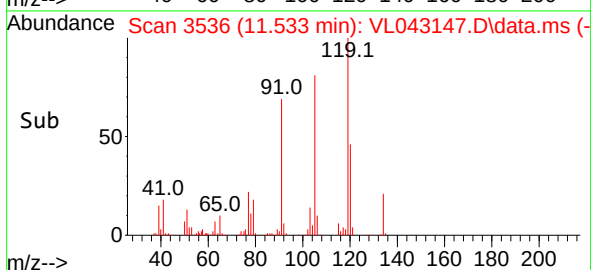
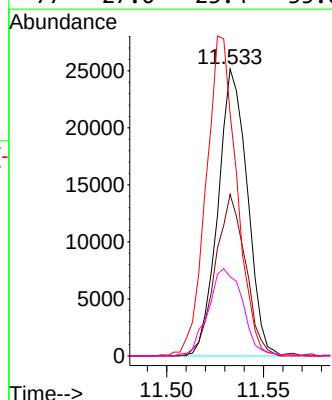
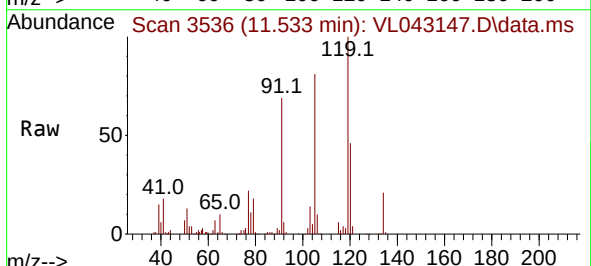
RT: 11.533 min Scan# 3536

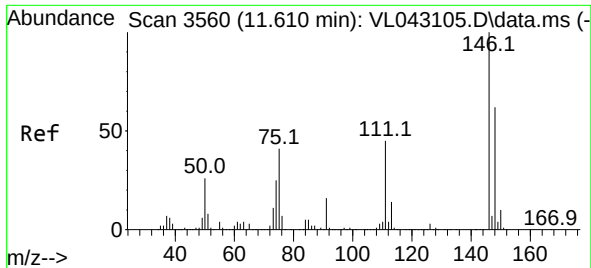
Delta R.T. -0.006 min

Lab File: VL043147.D

Acq: 04 Nov 2025 10:19

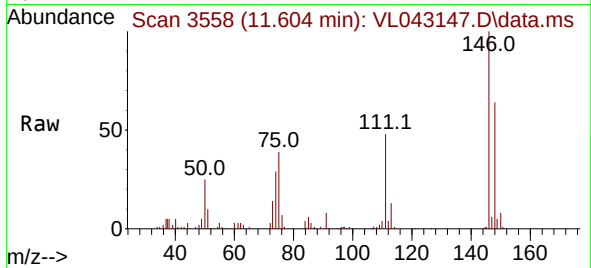
Tgt Ion:105 Resp: 26535
 Ion Ratio Lower Upper
 105 100
 120 56.3 42.8 64.2
 91 84.5 68.3 102.5
 77 27.0 23.4 35.0





#75
1,3-Dichlorobenzene
Concen: 0.613 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

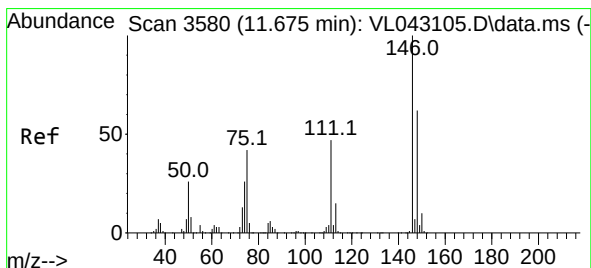
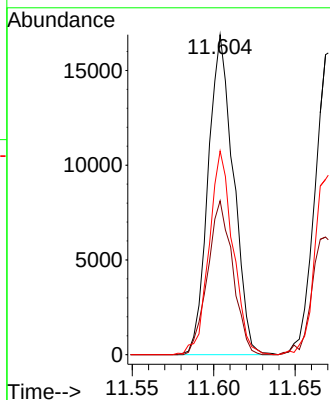
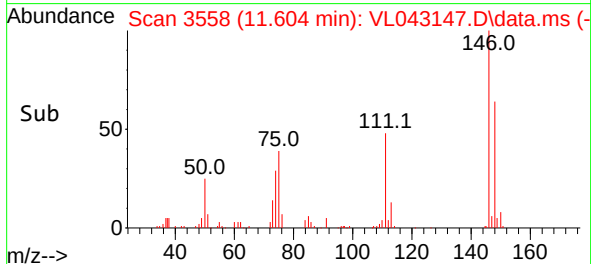
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion:146 Resp: 18180
Ion Ratio Lower Upper
146 100
111 47.7 23.3 69.9
148 60.3 31.6 95.0

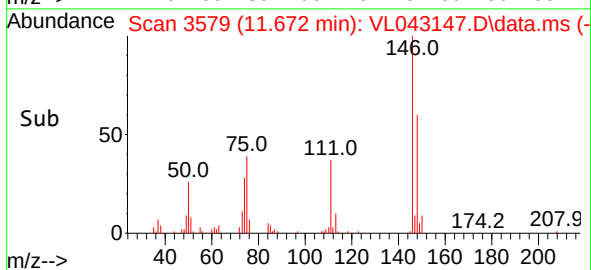
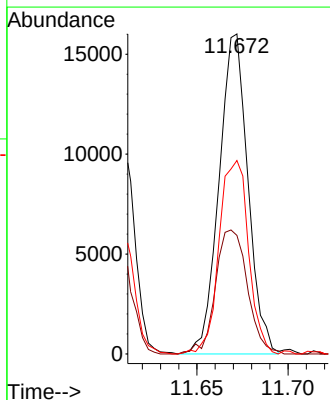
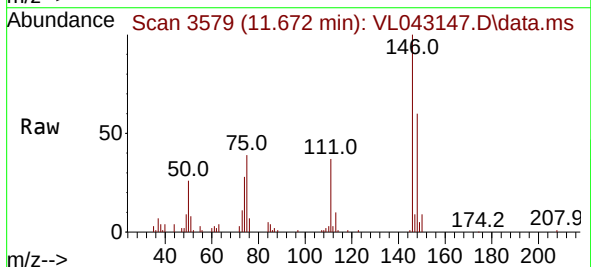
Manual Integrations
APPROVED

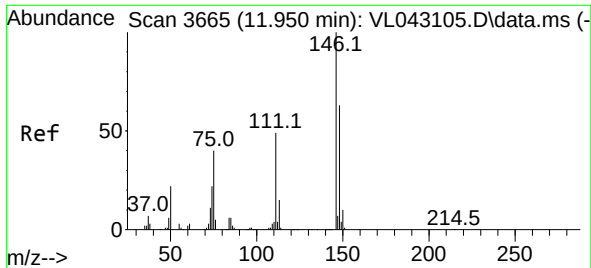
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#76
1,4-Dichlorobenzene
Concen: 0.591 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Tgt Ion:146 Resp: 17692
Ion Ratio Lower Upper
146 100
111 42.7 22.4 67.0
148 62.2 31.6 94.7





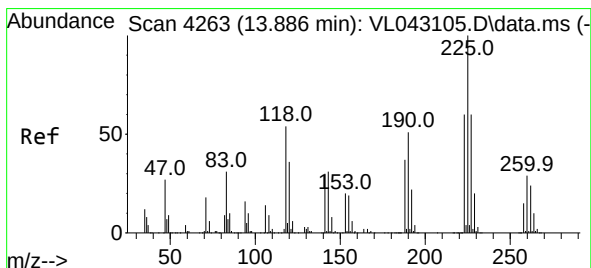
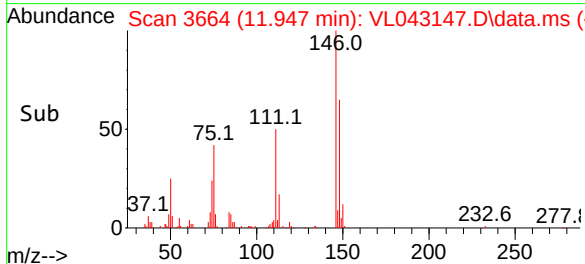
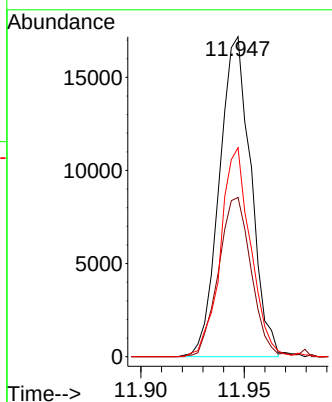
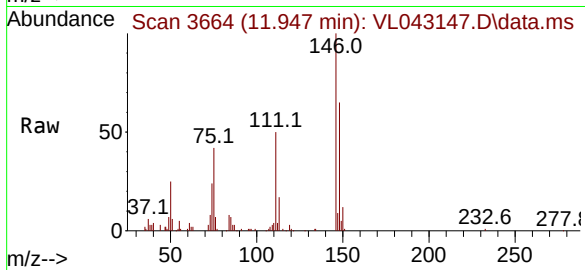
#77
1,2-Dichlorobenzene
Concen: 0.636 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Tgt Ion:146 Resp: 18270
Ion Ratio Lower Upper
146 100
111 51.9 24.0 72.0
148 62.7 31.1 93.3

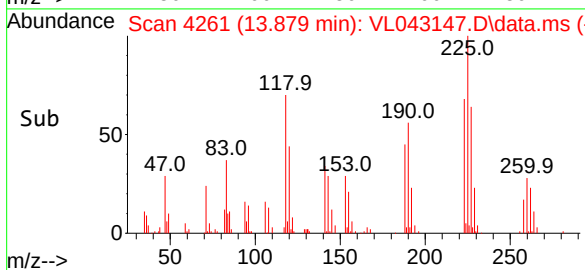
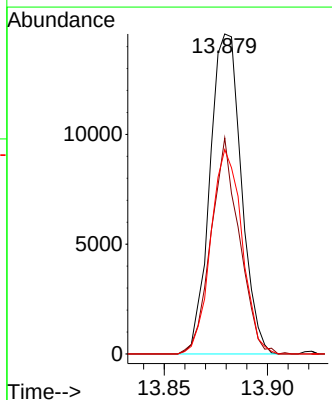
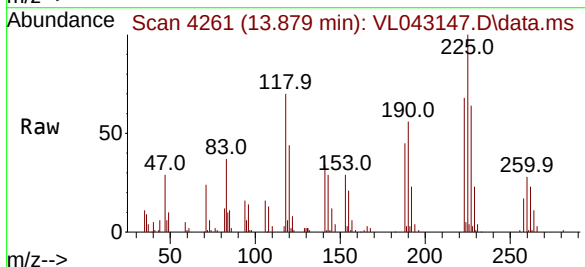
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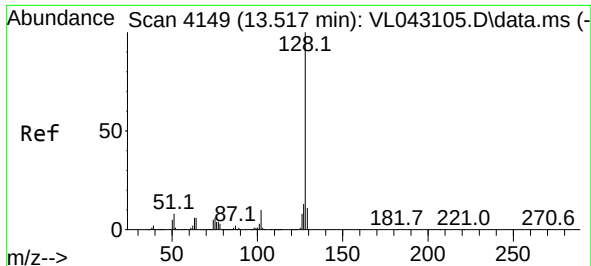
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.694 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.006 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

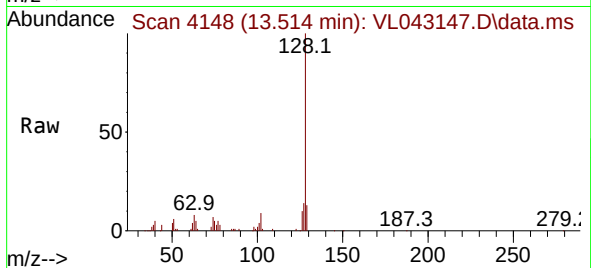
Tgt Ion:225 Resp: 15428
Ion Ratio Lower Upper
225 100
223 60.7 50.2 75.4
227 63.3 49.6 74.4





#79
Naphthalene
Concen: 0.418 ppbv
RT: 13.514 min Scan# 4149
Delta R.T. -0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

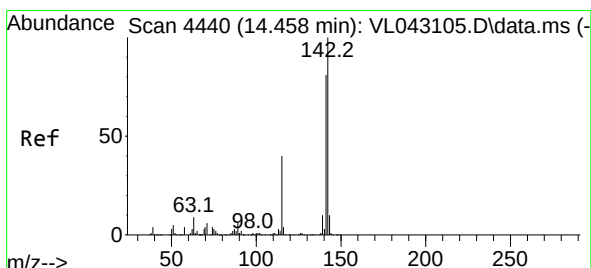
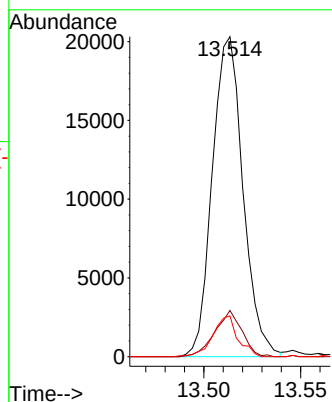
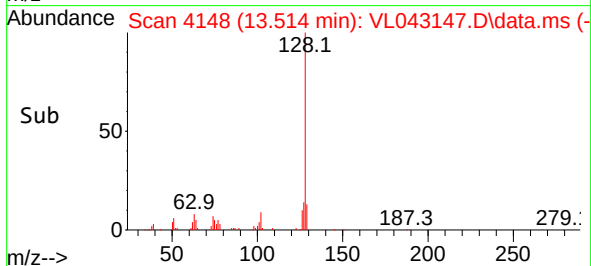
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion:128 Resp: 22379
Ion Ratio Lower Upper
128 100
127 14.5 10.5 15.7
129 12.8 9.1 13.7

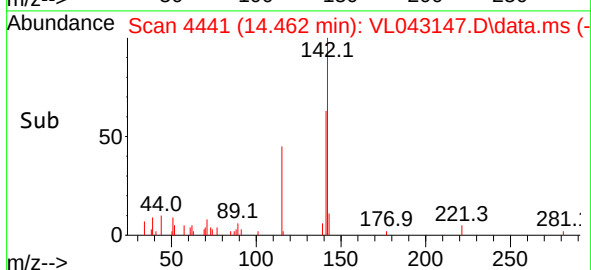
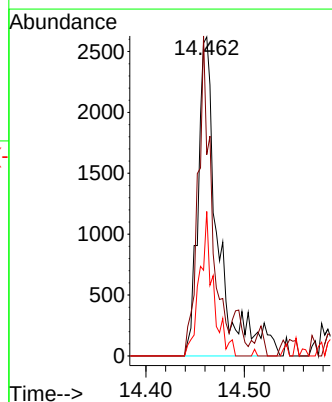
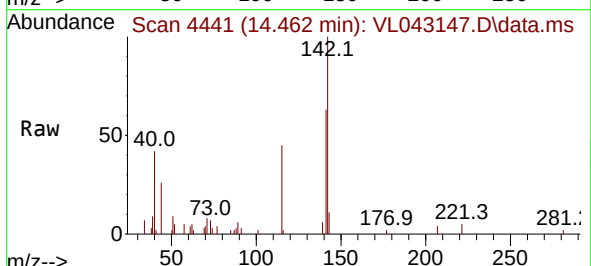
Manual Integrations
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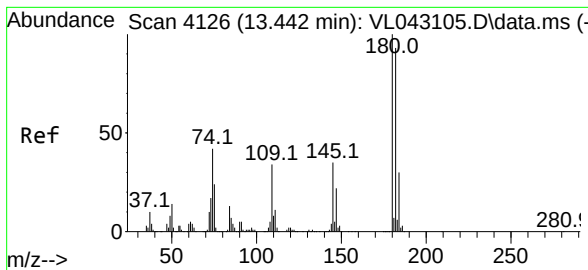
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#80
Naphthalene,2-methyl-
Concen: 0.267 ppbv m
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043147.D
Acq: 04 Nov 2025 10:19

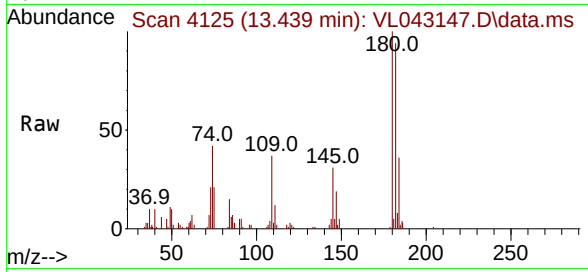
Tgt Ion:142 Resp: 3714
Ion Ratio Lower Upper
142 100
141 79.7 64.6 97.0
115 30.7 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.414 ppbv
 RT: 13.439 min Scan# 4125
 Delta R.T. -0.003 min
 Lab File: VL043147.D
 Acq: 04 Nov 2025 10:19

Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025



Tgt Ion:180	Resp:	918
Ion Ratio	Lower	Upper
180	100	
182	98.0	75.5 113.3
184	32.2	23.9 35.9

Manual Integrations
 APPROVED

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

