

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043149.D
 Acq On : 04 Nov 2025 11:23
 Operator : SY/MD
 Sample : Q3530-13 0.45 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 06:29:31 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	113772	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	366332	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	320988	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 252206 10.109 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	9109	0.563	ppbv	93
3) Chlorodifluoromethane	1.476	51	9484	0.542	ppbv	97
4) Chloromethane	1.534	50	3151	0.492	ppbv	89
5) Vinyl Chloride	1.583	62	2929	0.466	ppbv	99
6) Bromomethane	1.670	94	1979	0.574	ppbv	94
7) Chloroethane	1.706	64	1126	0.438	ppbv #	77
8) Dichlorotetrafluoroethane	1.557	85	7307	0.559	ppbv	86
9) Propene	1.486	41	3454	0.445	ppbv	94
10) Heptane	4.978	43	8379m	0.375	ppbv	
11) Trichlorofluoromethane	1.878	101	10029m	0.634	ppbv	
12) 1,1,2-Trichlorotrifluo...	2.143	101	7733	0.607	ppbv	94
13) Ethanol	1.722	45	1877	0.654	ppbv	89
14) Bromoethene	1.784	108	2713	0.573	ppbv #	84
15) Acetone	1.835	43	10039	0.655	ppbv	91
16) 1,3-Butadiene	1.609	39	3268	0.447	ppbv	95
17) tert-Butyl alcohol	2.043	59	10879	0.517	ppbv	98
18) 1,1-Dichloroethene	2.033	96	3382	0.609	ppbv #	69
19) Isopropyl Alcohol	1.887	45	4946	0.518	ppbv #	63
20) Methylene Chloride	2.062	84	4098	0.676	ppbv	96
21) Allyl Chloride	2.098	41	5447	0.482	ppbv #	80
22) trans-1,2-Dichloroethene	2.344	96	3794m	0.572	ppbv	
23) Vinyl Acetate	2.460	43	15009	0.668	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	7012	0.547	ppbv #	94
25) Ethyl Acetate	2.839	43	17707	0.466	ppbv	97
26) Hexane	2.829	57	7799	0.445	ppbv	95
27) Carbon Disulfide	2.153	76	8466	0.527	ppbv #	25
28) Methyl tert-Butyl Ether	2.444	73	4899	0.615	ppbv	96
29) Chloroform	2.849	83	13710	0.540	ppbv	96
30) Cyclohexane	3.855	84	6462	0.423	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	9128m	0.546	ppbv	
32) 1,1,1-Trichloroethane	3.366	97	14366	0.543	ppbv	97
34) 2-Butanone	2.560	43	13293	0.540	ppbv	99
35) Carbon Tetrachloride	3.764	117	14547	0.552	ppbv	89
36) Benzene	3.658	78	17247	0.500	ppbv	95
37) 1,2-Dichloroethane	3.217	62	10584	0.532	ppbv #	95
38) Trichloroethene	4.545	130	7063	0.490	ppbv #	72
39) 1,2-Dichloropropane	4.308	63	5818m	0.461	ppbv	
40) 1,4-Dioxane	4.590	88	2684m	0.476	ppbv	
41) Tetrahydrofuran	3.062	42	5701	0.414	ppbv	93
42) Bromodichloromethane	4.486	83	14934m	0.543	ppbv	
43) Methyl Methacrylate	4.878	69	7220m	0.412	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	25438m	0.437	ppbv	
45) t-1,3-Dichloropropene	6.419	75	6924m	0.394	ppbv	

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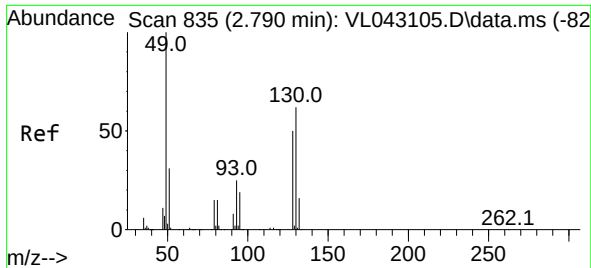
Quant Time: Nov 05 06:29:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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	5.593	75	9422m	0.449	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	6976	0.512	ppbv #	83
48) Dibromochloromethane	7.383	129	12122m	0.532	ppbv	
49) Bromoform	9.480	173	9807	0.530	ppbv	94
50) 4-Methyl-2-Pentanone	5.761	43	13176m	0.388	ppbv	
51) 2-Hexanone	7.445	43	8552	0.336	ppbv #	98
52) Tetrachloroethene	8.218	164	6652m	0.535	ppbv	
53) Toluene	6.927	91	16876m	0.412	ppbv	
54) 1,2-Dibromoethane	7.648	107	9797m	0.459	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.924	131	11549	0.571	ppbv #	1
57) Chlorobenzene	8.924	112	15887m	0.529	ppbv	
58) Ethyl Benzene	9.354	91	22797	0.414	ppbv	96
59) m/p-Xylene	9.548	91	37211m	0.847	ppbv	
60) o-Xylene	9.966	91	18836	0.434	ppbv	98
61) Styrene	9.869	104	6864	0.350	ppbv	95
62) Isopropylbenzene	10.536	105	37075	0.473	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	14232	0.490	ppbv	94
64) n-propylbenzene	10.989	120	8637	0.416	ppbv	91
65) tert-Butylbenzene	11.529	119	31429	0.454	ppbv	97
66) Benzyl Chloride	11.610	91	2293	0.298	ppbv #	96
67) sec-Butylbenzene	11.769	105	44081	0.449	ppbv	100
69) p-Isopropyltoluene	11.927	119	36564	0.438	ppbv	99
70) n-Butylbenzene	12.280	91	32351	0.393	ppbv	97
71) 2-Chlorotoluene	10.901	91	25858	0.432	ppbv	98
72) 4-Ethyltoluene	11.125	105	21430	0.402	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.202	105	17996	0.409	ppbv	92
74) 1,2,4-Trimethylbenzene	11.536	105	22944	0.466	ppbv	88
75) 1,3-Dichlorobenzene	11.607	146	15713	0.550	ppbv	97
76) 1,4-Dichlorobenzene	11.672	146	14161	0.492	ppbv	95
77) 1,2-Dichlorobenzene	11.947	146	15157	0.549	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	12697	0.593	ppbv	97
79) Naphthalene	13.516	128	15195	0.295	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	1964	0.146	ppbv	86
81) 1,2,4-Trichlorobenzene	13.442	180	7012	0.328	ppbv	98

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



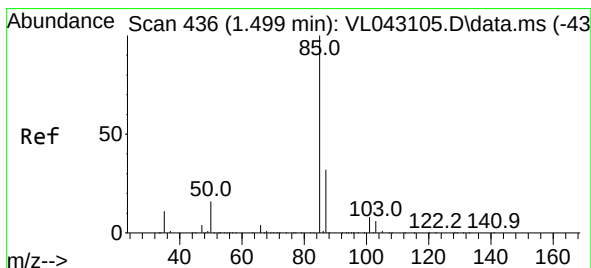
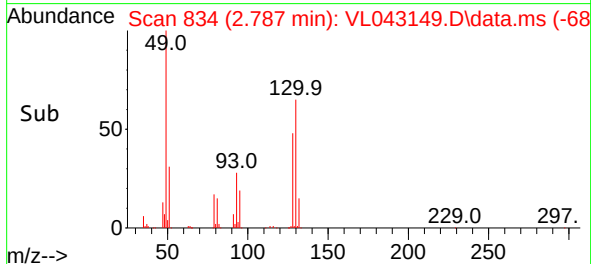
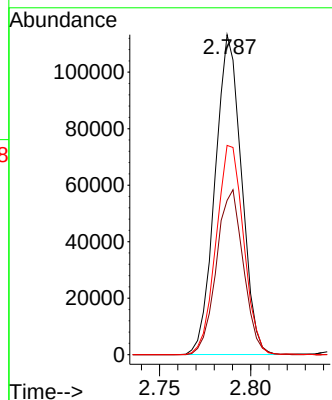
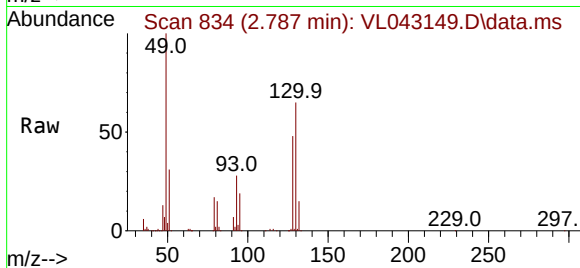
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 49 Resp: 113772
Ion Ratio Lower Upper
49 100
128 52.8 24.4 73.4
130 68.2 31.0 93.0

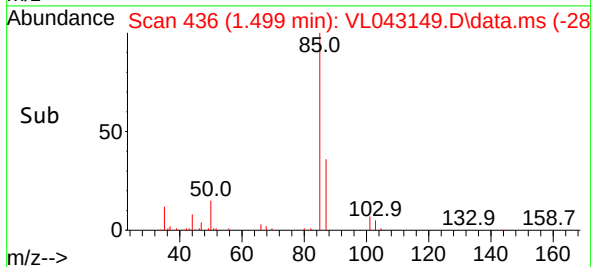
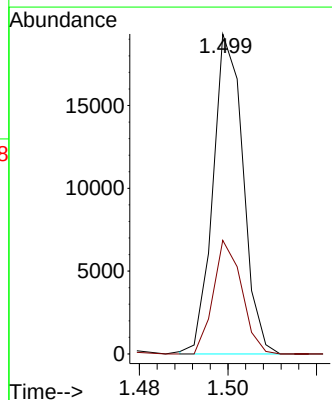
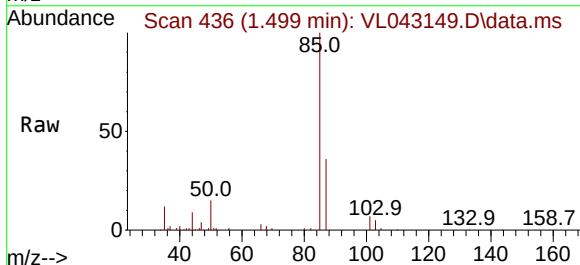
Manual Integrations
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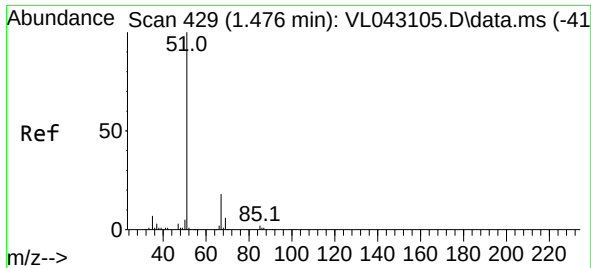
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#2
Dichlorodifluoromethane
Concen: 0.563 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 85 Resp: 9109
Ion Ratio Lower Upper
85 100
87 35.5 25.3 37.9





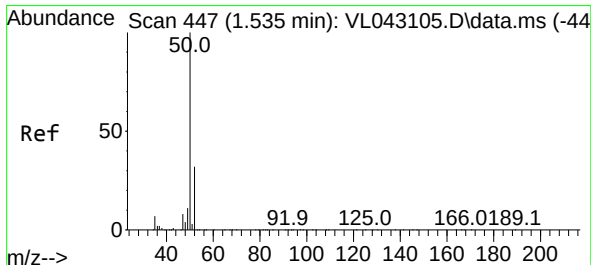
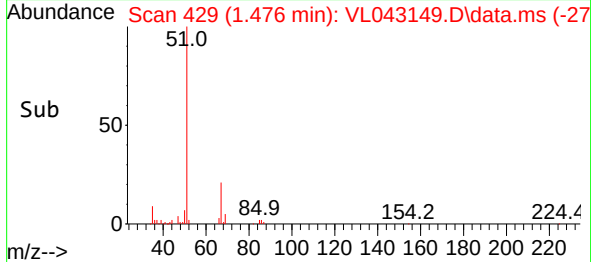
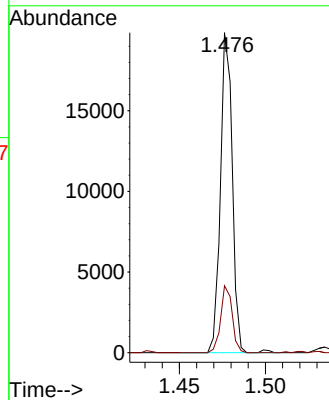
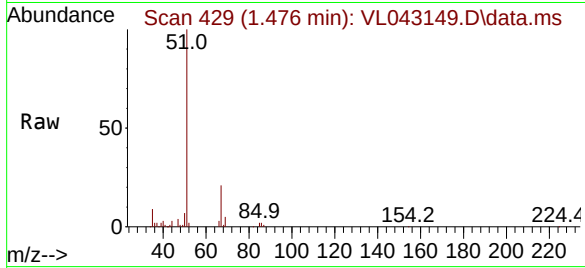
#3
Chlorodifluoromethane
Concen: 0.542 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 51 Resp: 948
Ion Ratio Lower Upper
51 100
67 20.4 15.1 22.7

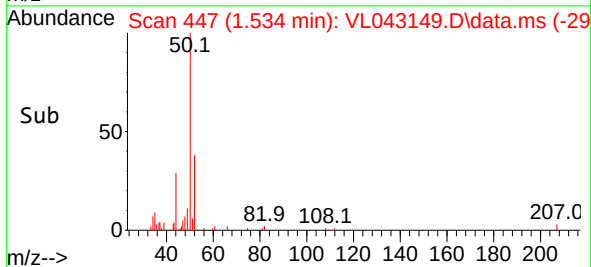
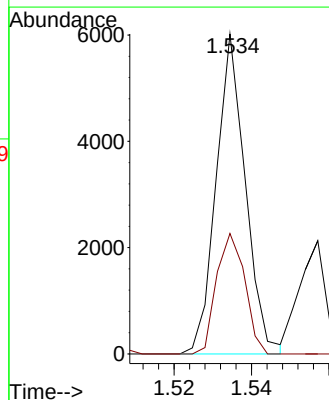
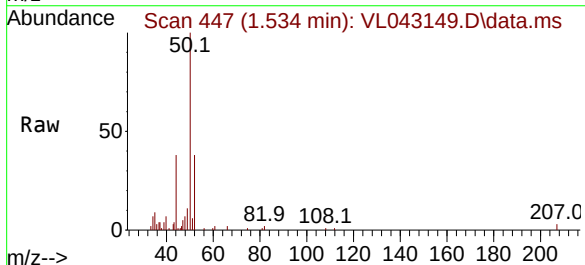
Manual Integrations
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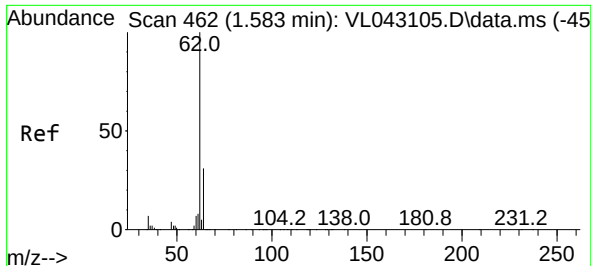
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#4
Chloromethane
Concen: 0.492 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

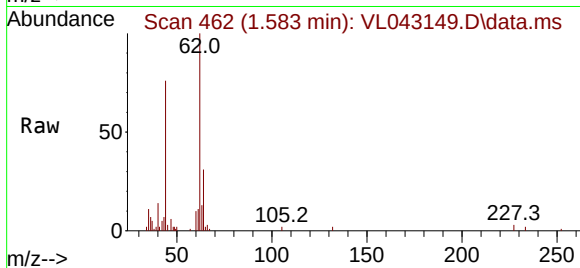
Tgt Ion: 50 Resp: 3151
Ion Ratio Lower Upper
50 100
52 37.6 25.2 37.8





#5
 Vinyl Chloride
 Concen: 0.466 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

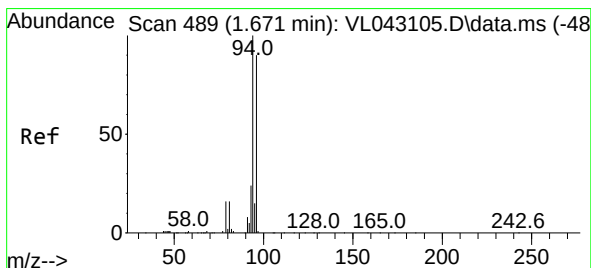
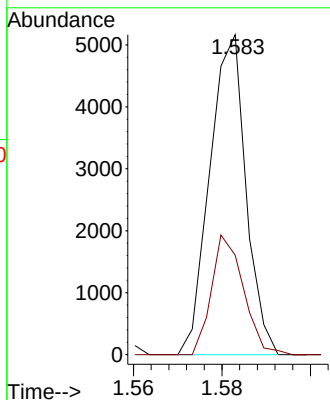
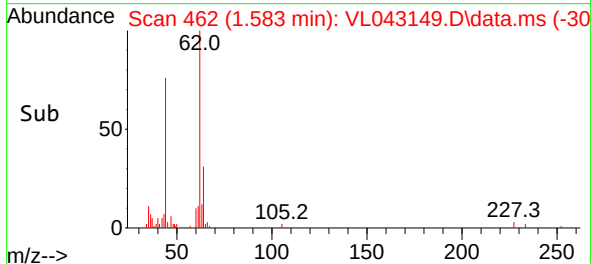
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025



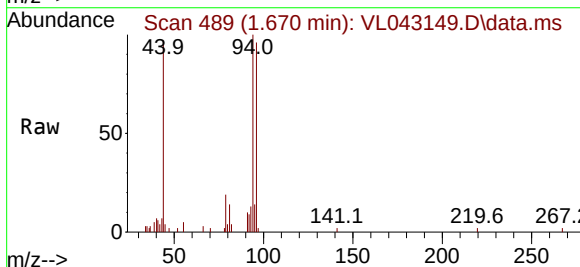
Tgt Ion: 62 Resp: 2929
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.6 36.8

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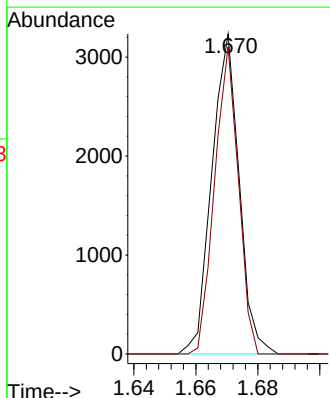
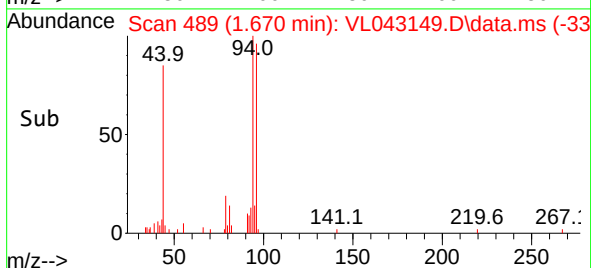
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025

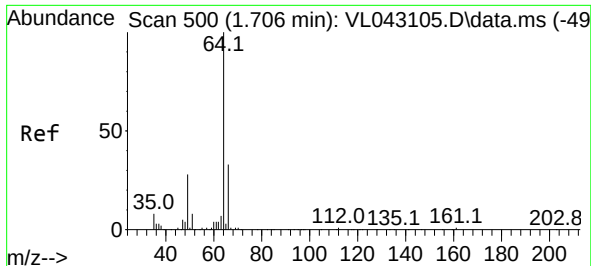


#6
 Bromomethane
 Concen: 0.574 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23



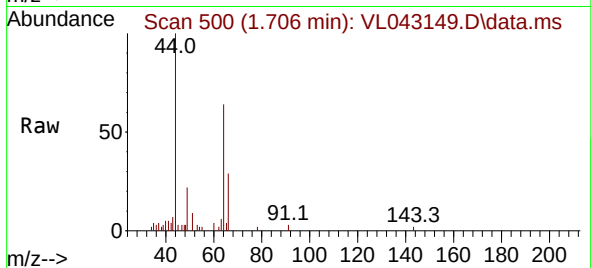
Tgt Ion: 94 Resp: 1979
 Ion Ratio Lower Upper
 94 100
 96 96.1 72.2 108.4





#7
Chloroethane
Concen: 0.438 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

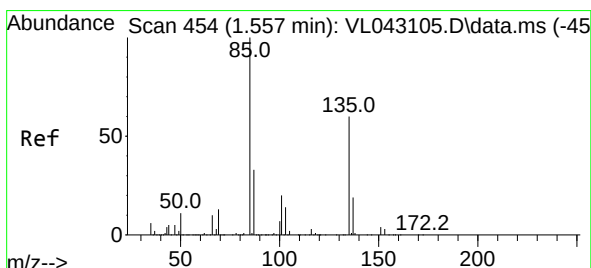
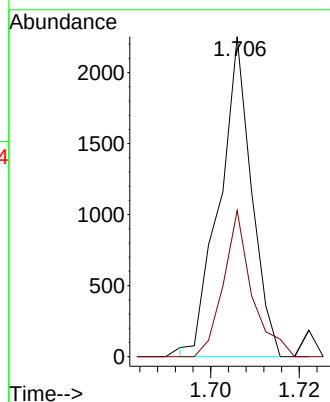
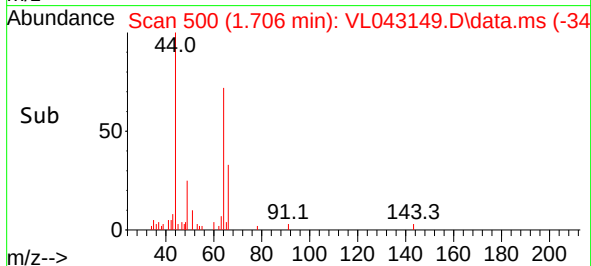
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 64 Resp: 1120
Ion Ratio Lower Upper
64 100
66 45.7 26.0 39.0

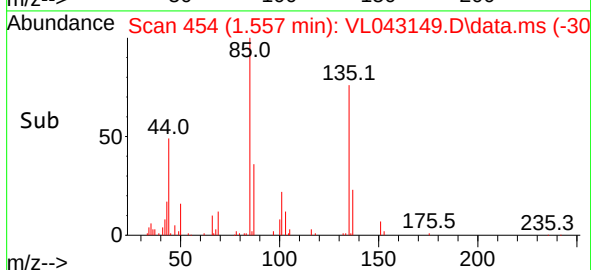
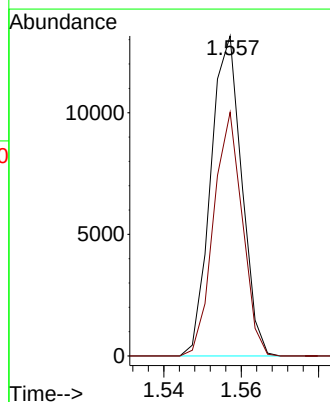
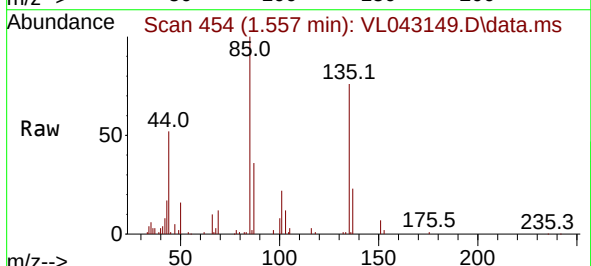
Manual Integrations
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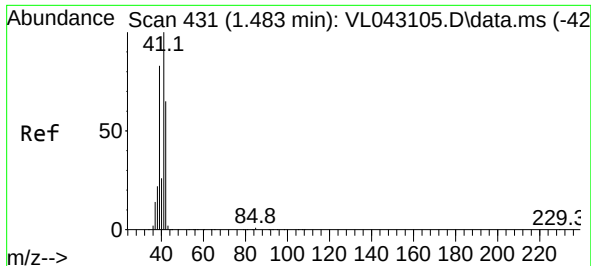
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#8
Dichlorotetrafluoroethane
Concen: 0.559 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 85 Resp: 7307
Ion Ratio Lower Upper
85 100
135 70.7 48.2 72.4





#9

Propene

Concen: 0.445 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

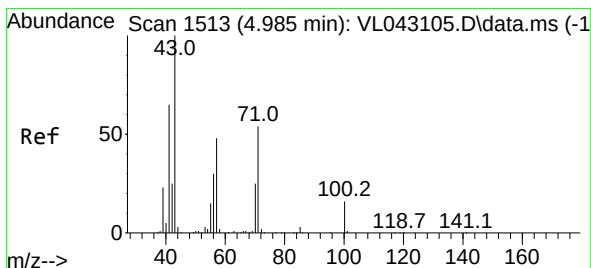
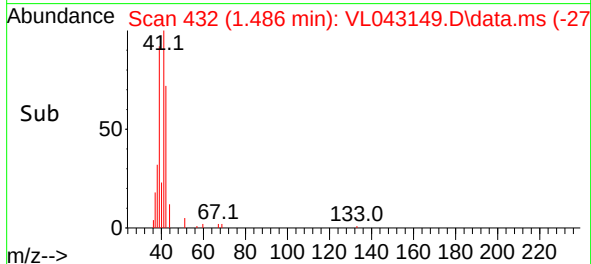
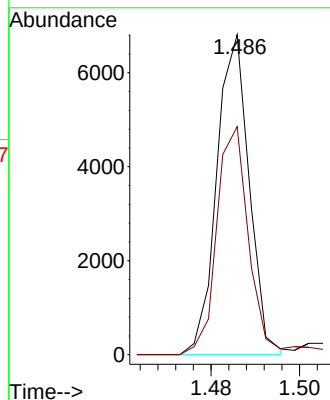
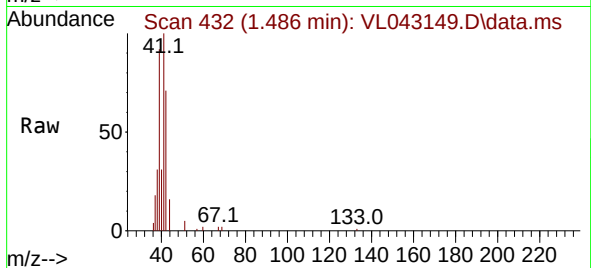
ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 41 Resp: 3454
Ion Ratio Lower Upper
41 100
42 73.8 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: 0.375 ppbv m

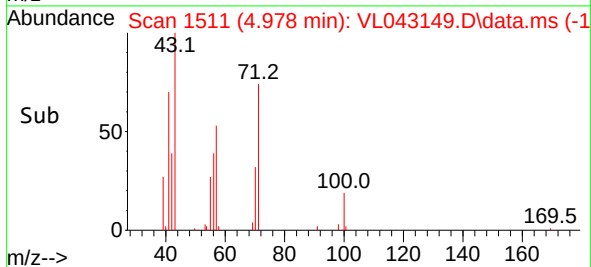
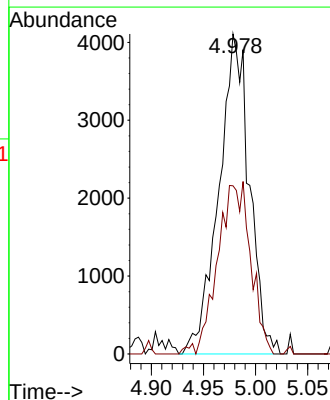
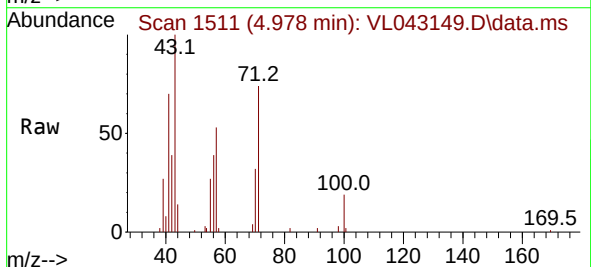
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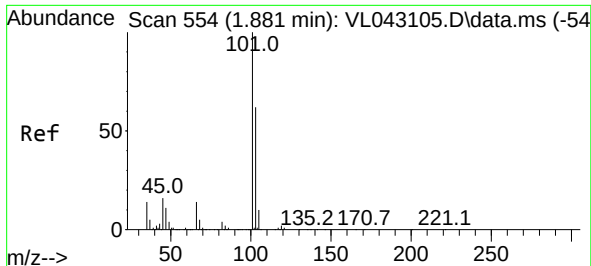
Delta R.T. -0.007 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

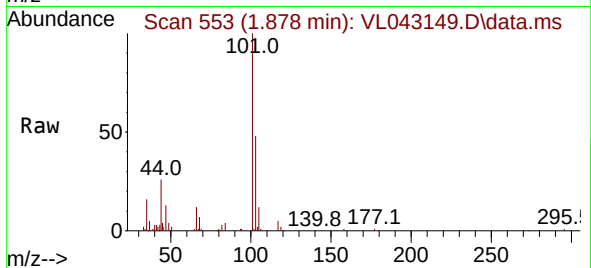
Tgt Ion: 43 Resp: 8379
Ion Ratio Lower Upper
43 100
57 0.0 40.8 61.2#





#11
 Trichlorofluoromethane
 Concen: 0.634 ppbv m
 RT: 1.878 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

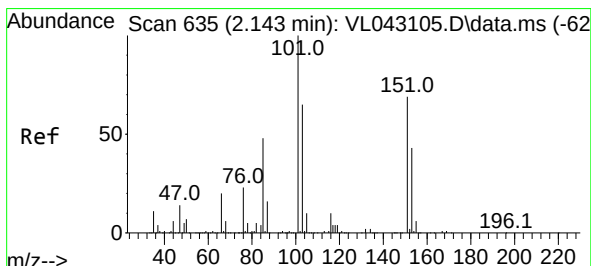
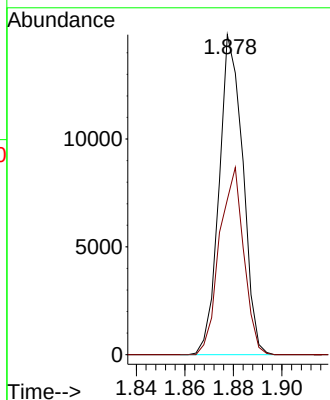
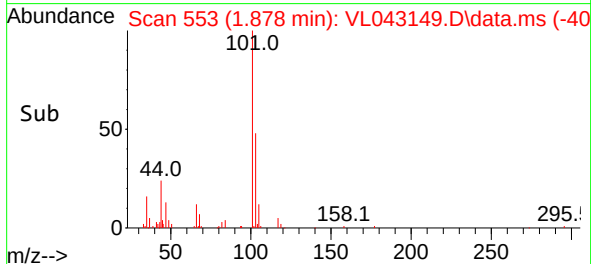
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025



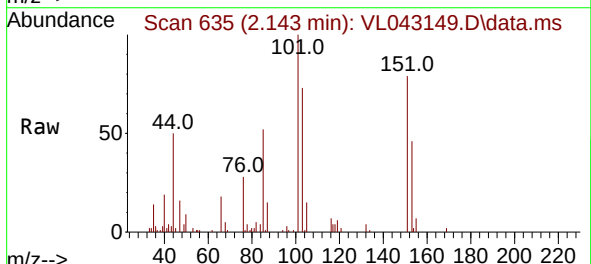
Tgt Ion:101 Resp: 10029
 Ion Ratio Lower Upper
 101 100
 103 48.5 49.3 73.9

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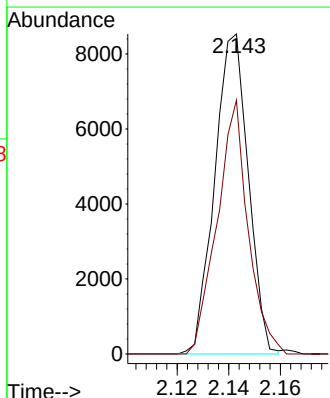
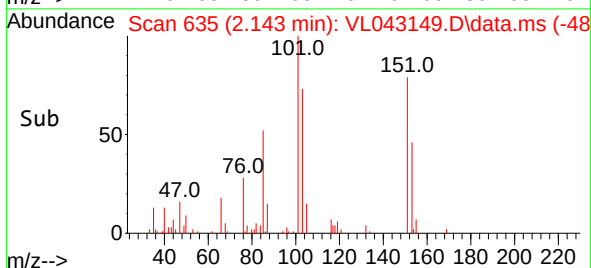
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025

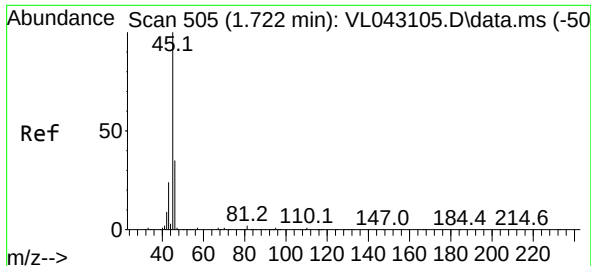


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.607 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23



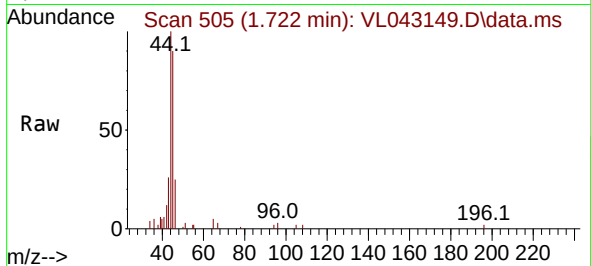
Tgt Ion:101 Resp: 7733
 Ion Ratio Lower Upper
 101 100
 151 73.0 54.7 82.1





#13
Ethanol
Concen: 0.654 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

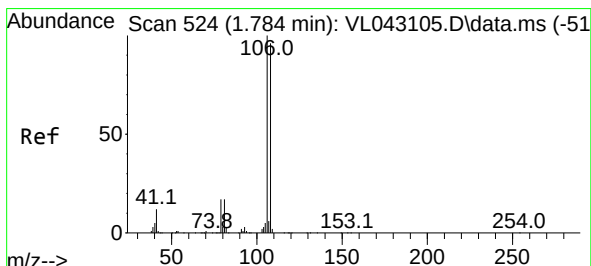
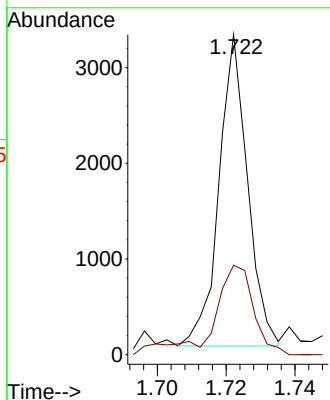
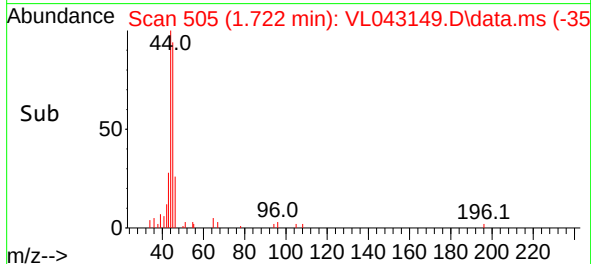
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



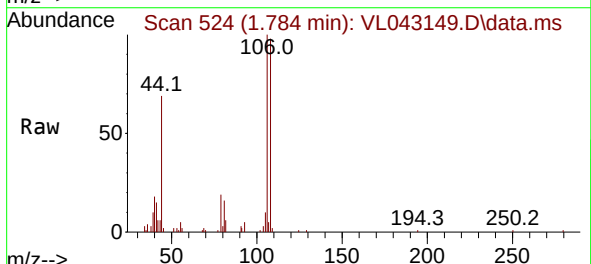
Tgt Ion: 45 Resp: 187
Ion Ratio Lower Upper
45 100
46 43.3 14.7 58.9

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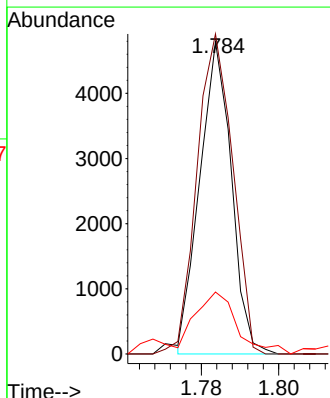
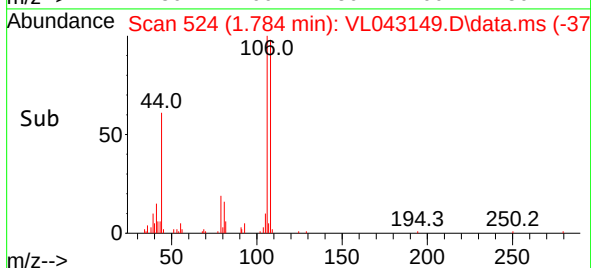
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

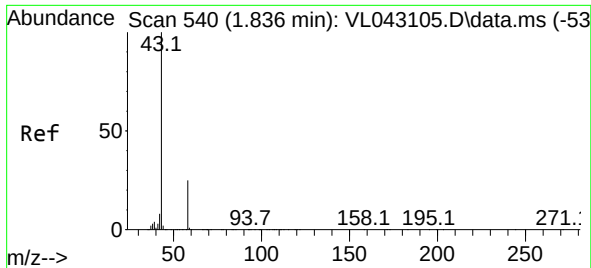


#14
Bromoethene
Concen: 0.573 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23



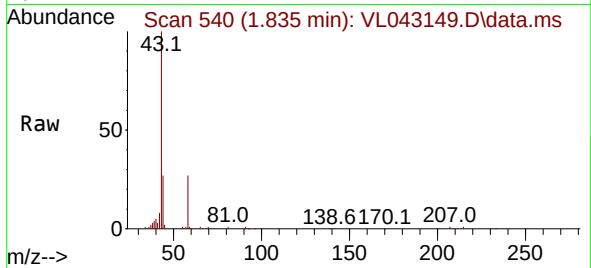
Tgt Ion:108 Resp: 2713
Ion Ratio Lower Upper
108 100
106 116.2 84.4 126.6
79 39.7 15.3 22.9





#15
Acetone
Concen: 0.655 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

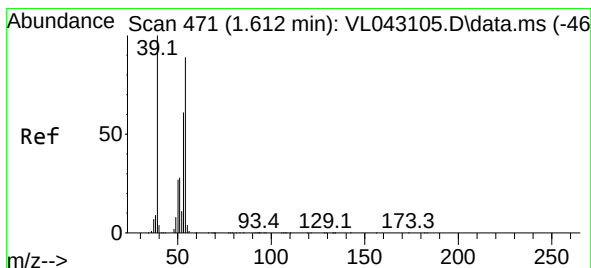
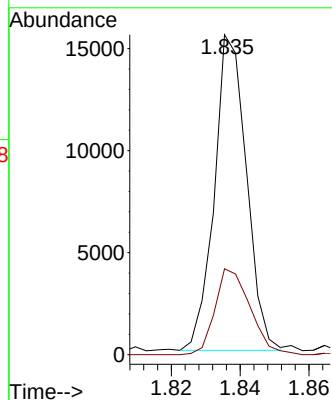
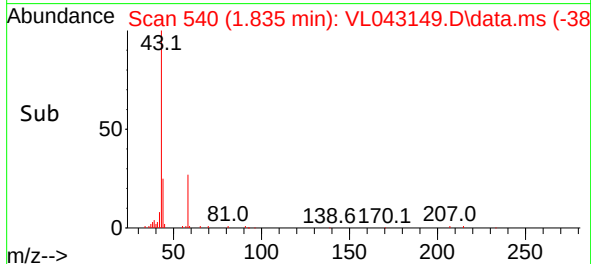
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 43 Resp: 10039
Ion Ratio Lower Upper
43 100
58 30.7 20.8 31.2

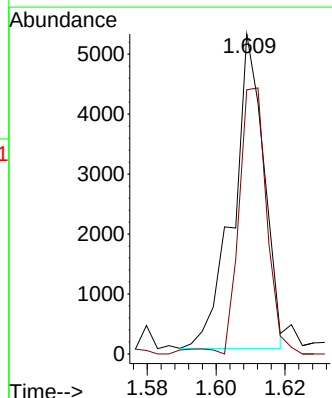
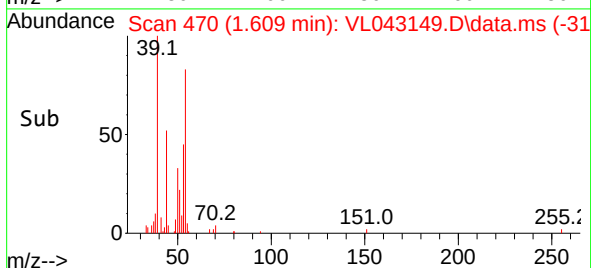
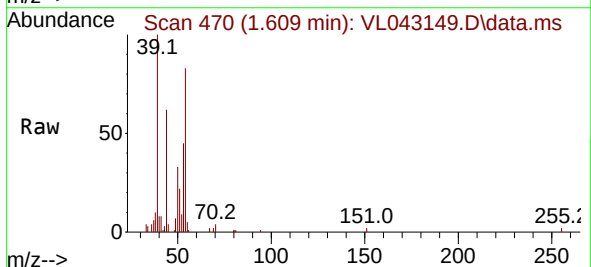
Manual Integrations
APPROVED

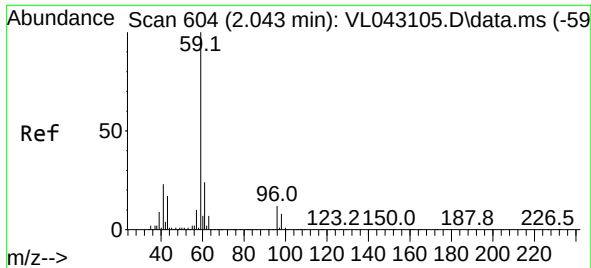
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#16
1,3-Butadiene
Concen: 0.447 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 39 Resp: 3268
Ion Ratio Lower Upper
39 100
54 77.8 59.0 88.4





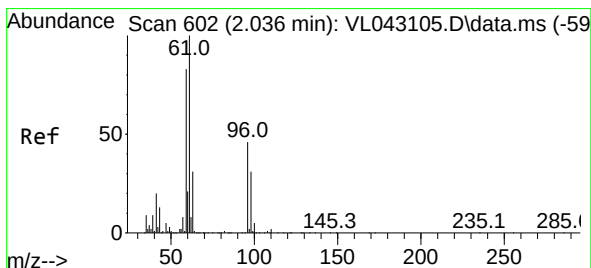
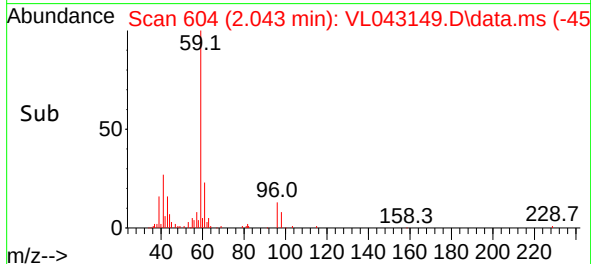
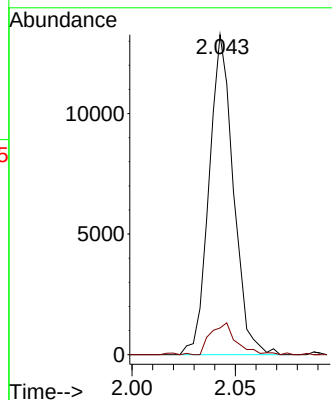
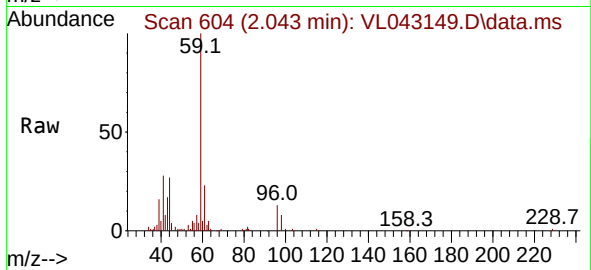
#17
tert-Butyl alcohol
Concen: 0.517 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 59 Resp: 10879
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.4

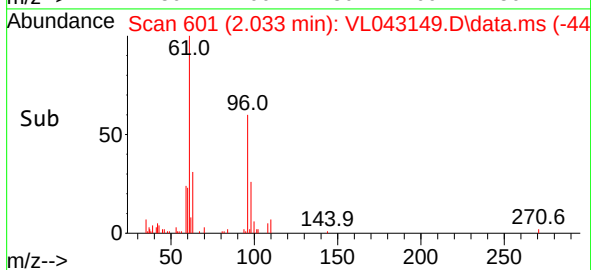
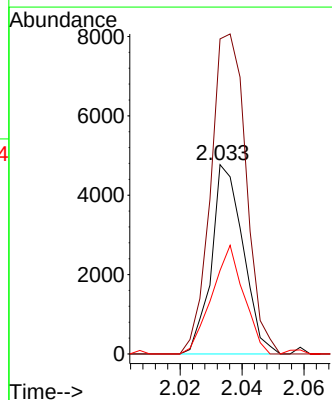
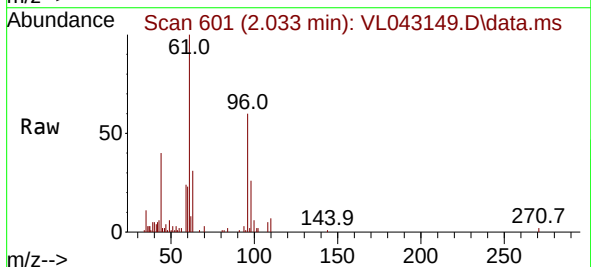
Manual Integrations
APPROVED

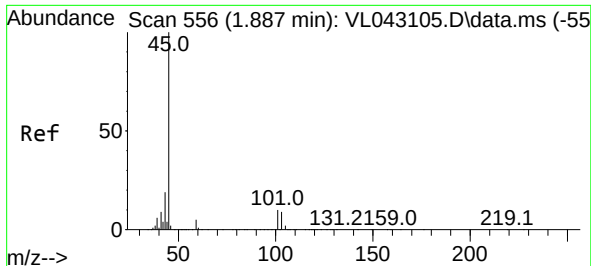
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#18
1,1-Dichloroethene
Concen: 0.609 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 96 Resp: 3382
Ion Ratio Lower Upper
96 100
61 166.5 173.4 260.0#
98 44.1 53.2 79.8#





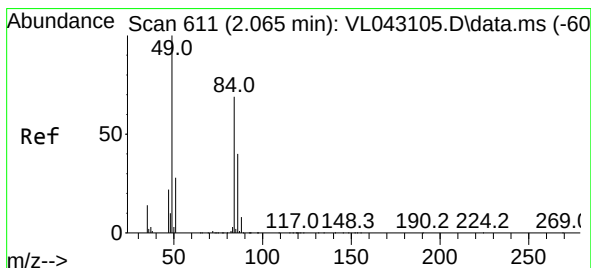
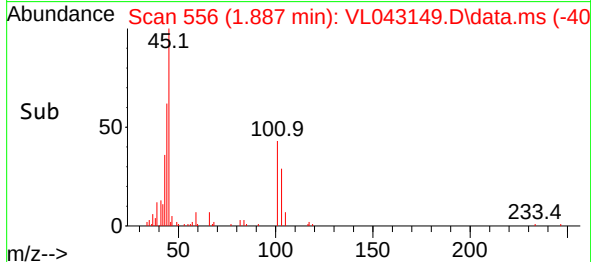
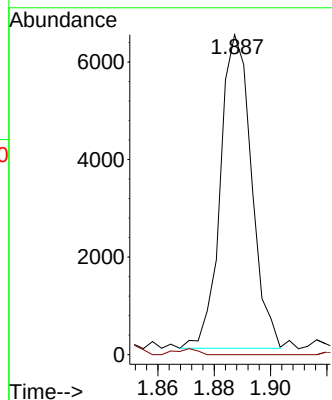
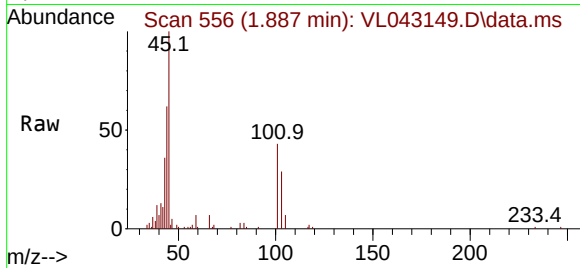
#19
Isopropyl Alcohol
Concen: 0.518 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 45 Resp: 4940
Ion Ratio Lower Upper
45 100
58 61.8 31.3 46.9

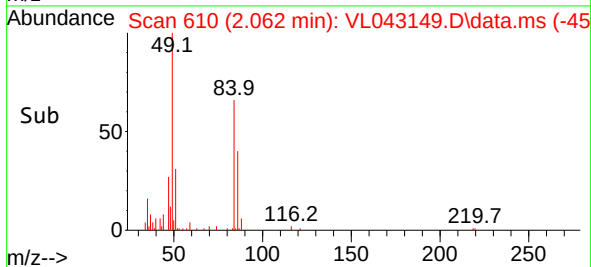
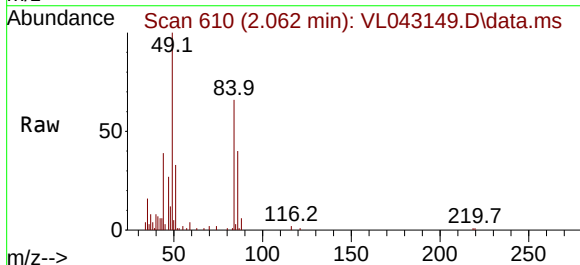
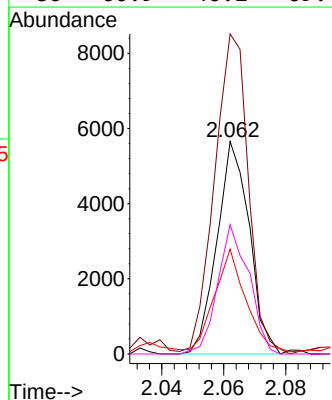
Manual Integrations
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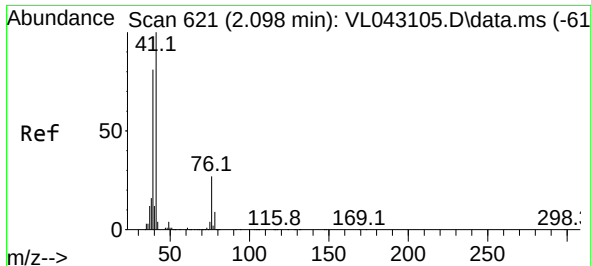
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#20
Methylene Chloride
Concen: 0.676 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 84 Resp: 4098
Ion Ratio Lower Upper
84 100
49 149.3 116.6 175.0
51 47.3 34.8 52.2
86 60.9 46.2 69.4





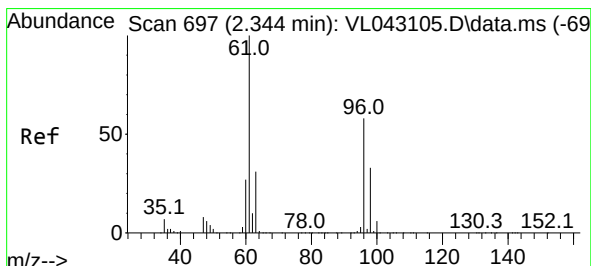
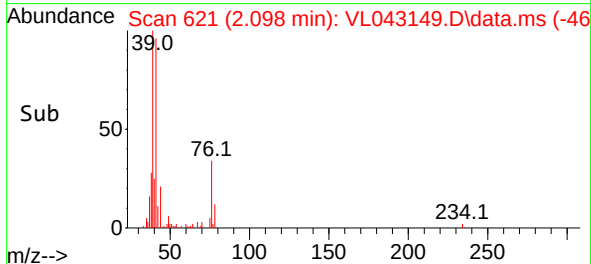
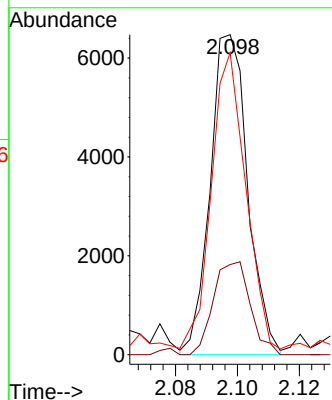
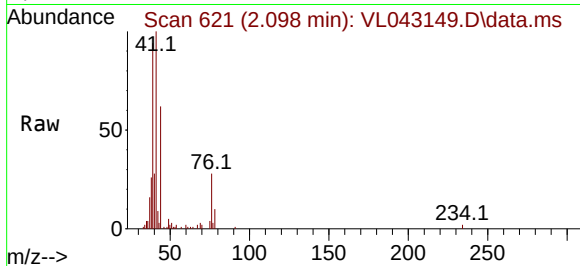
#21
 Allyl Chloride
 Concen: 0.482 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

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

Tgt Ion: 41 Resp: 544
 Ion Ratio Lower Upper
 41 100
 76 29.2 21.5 32.3
 39 98.3 60.8 91.2

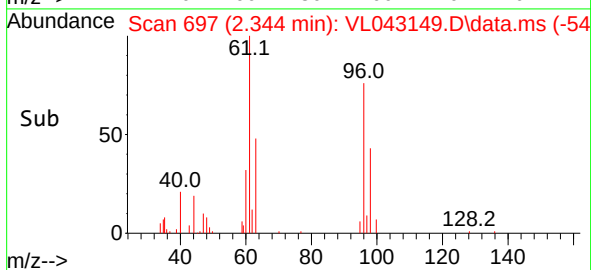
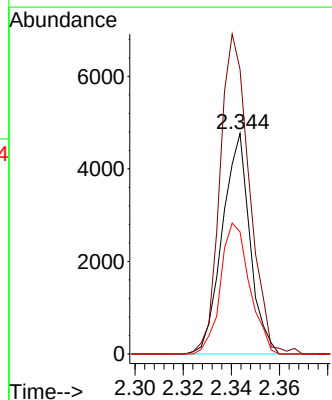
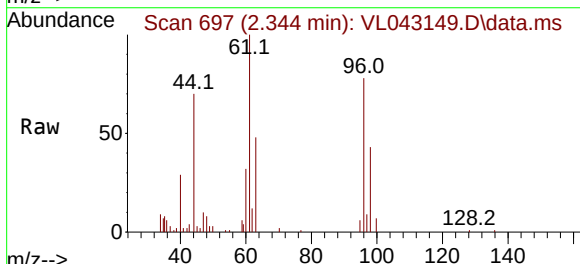
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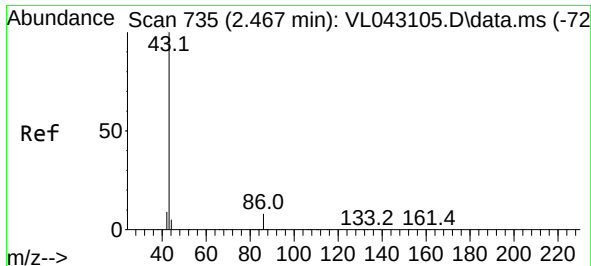
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.572 ppbv m
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

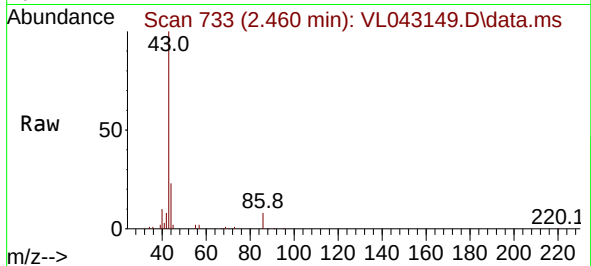
Tgt Ion: 96 Resp: 3794
 Ion Ratio Lower Upper
 96 100
 61 129.0 137.0 205.6#
 98 55.4 45.5 68.3





#23
 Vinyl Acetate
 Concen: 0.668 ppbv
 RT: 2.460 min Scan# 718
 Delta R.T. -0.007 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

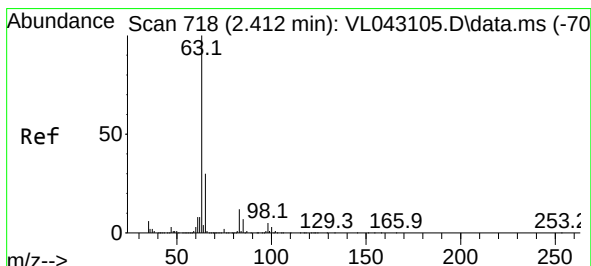
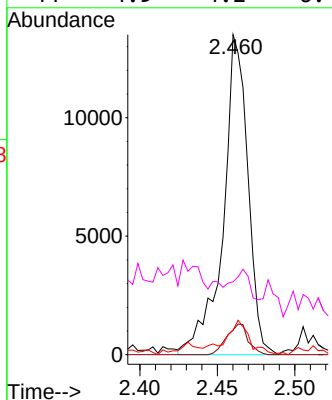
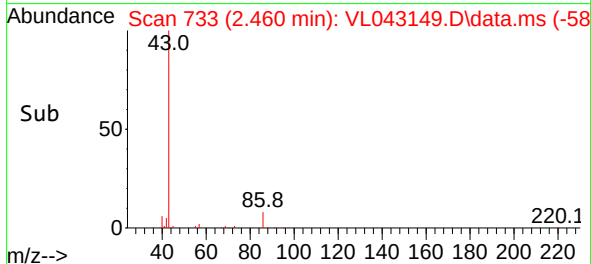
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 43 Resp: 15009
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.2 9.2
 42 7.2 7.6 11.4
 44 4.9 4.2 6.4

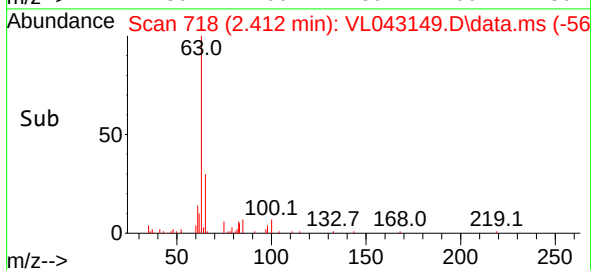
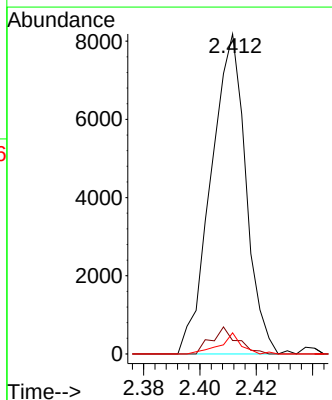
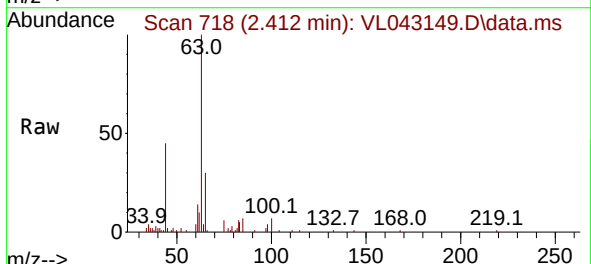
Manual Integrations
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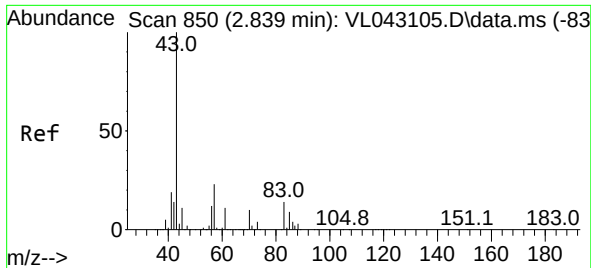
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#24
 1,1-Dichloroethane
 Concen: 0.547 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

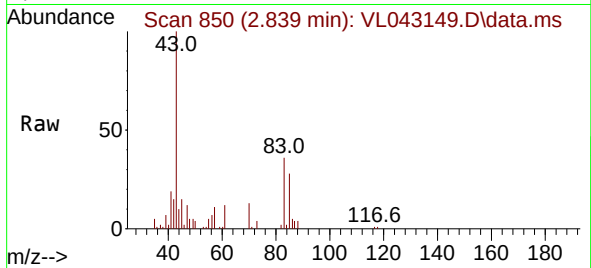
Tgt Ion: 63 Resp: 7012
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.6 7.8
 100 6.6 1.5 4.4





#25
Ethyl Acetate
Concen: 0.466 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

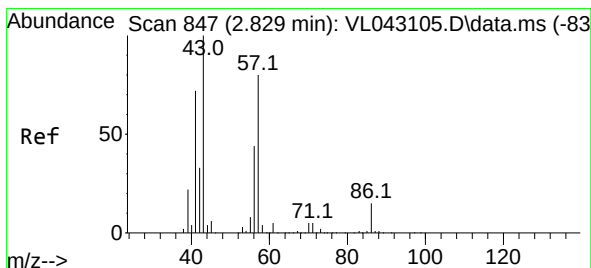
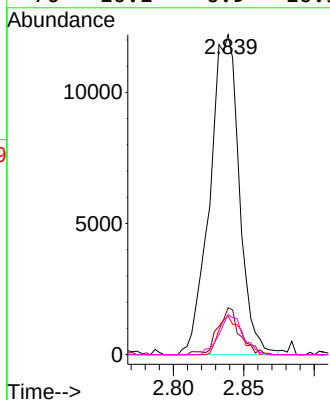
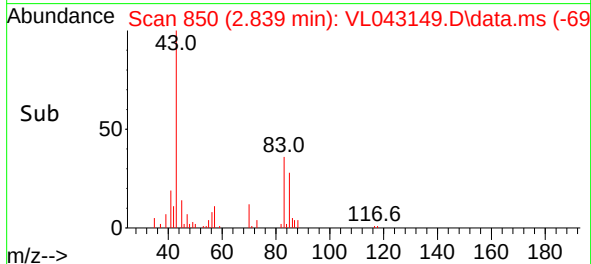
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion:	43	Resp:	1770
Ion Ratio	100	Lower	Upper
43	100		
45	11.0	7.8	11.8
61	9.4	7.0	10.6
70	10.1	6.9	10.3

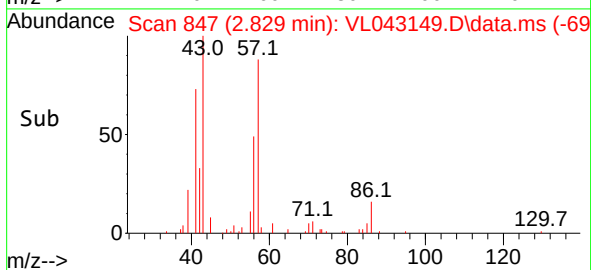
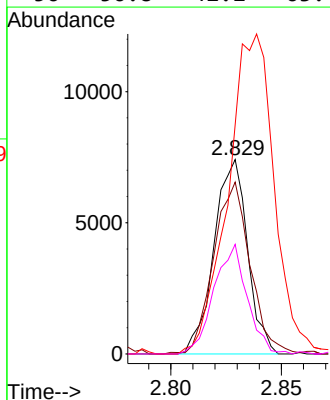
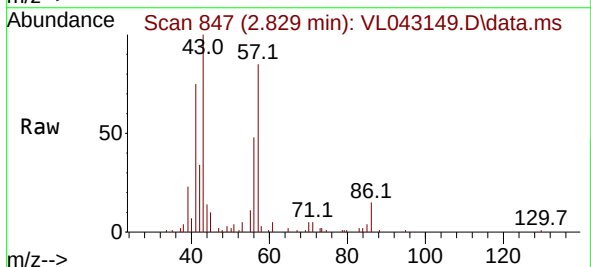
Manual Integrations
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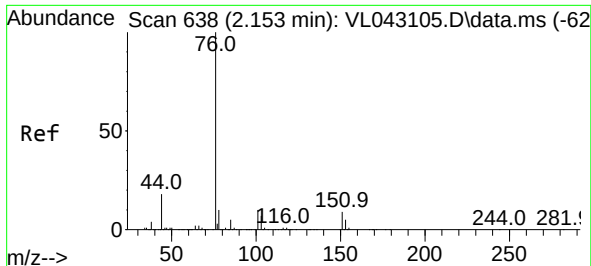
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#26
Hexane
Concen: 0.445 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

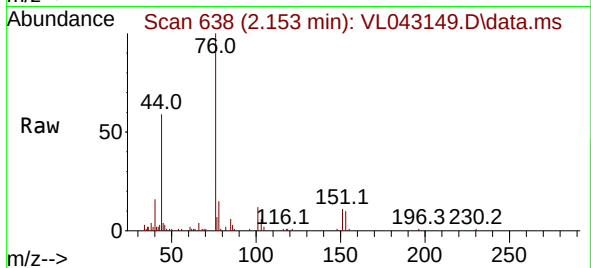
Tgt Ion:	57	Resp:	7799
Ion Ratio	100	Lower	Upper
57	100		
41	98.0	71.4	107.0
43	229.2	178.5	267.7
56	56.8	42.2	63.4





#27
Carbon Disulfide
Concen: 0.527 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

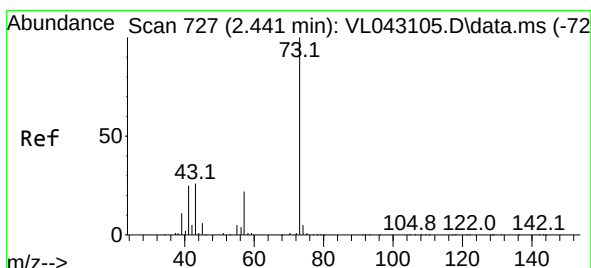
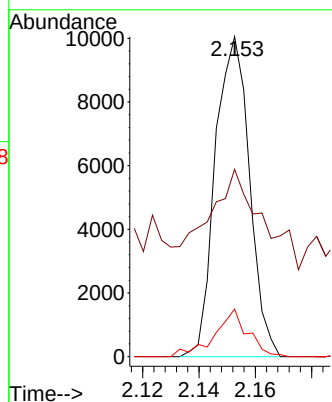
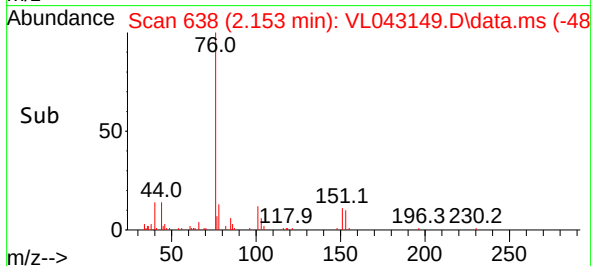
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



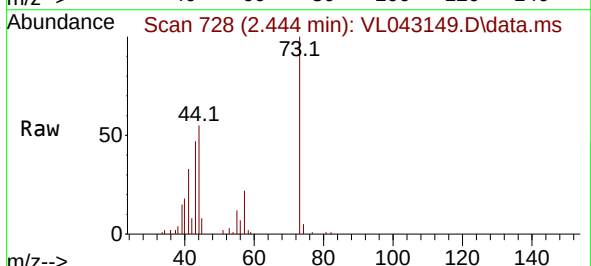
Tgt Ion: 76 Resp: 8460
Ion Ratio Lower Upper
76 100
44 73.7 16.7 25.1
78 14.4 9.3 13.9

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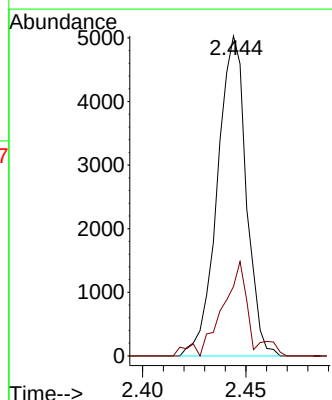
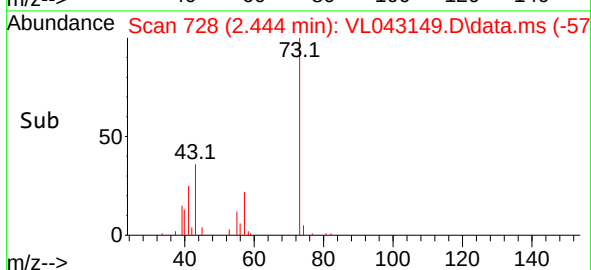
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

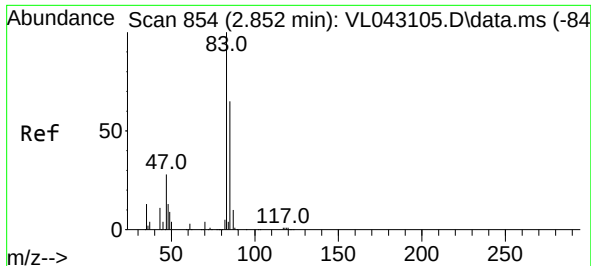


#28
Methyl tert-Butyl Ether
Concen: 0.615 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23



Tgt Ion: 73 Resp: 4899
Ion Ratio Lower Upper
73 100
57 27.8 20.5 30.7





#29

Chloroform

Concen: 0.540 ppbv

RT: 2.849 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 83 Resp: 13710

Ion Ratio Lower Upper

83 100

85 61.4 51.8 77.6

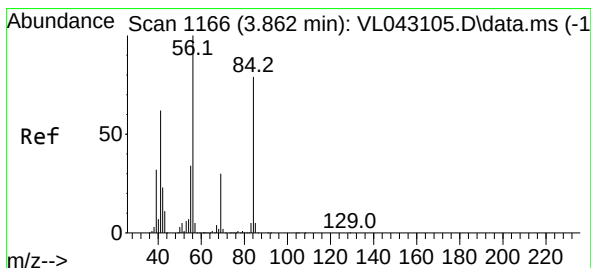
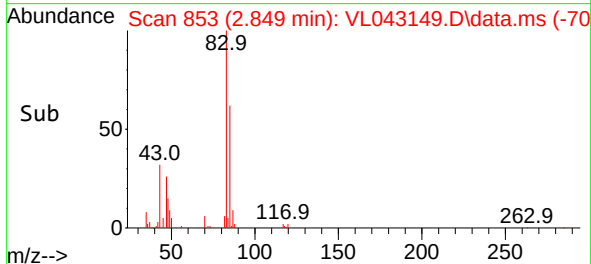
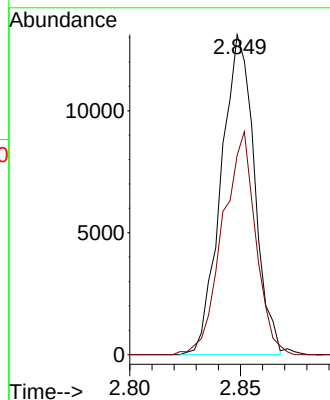
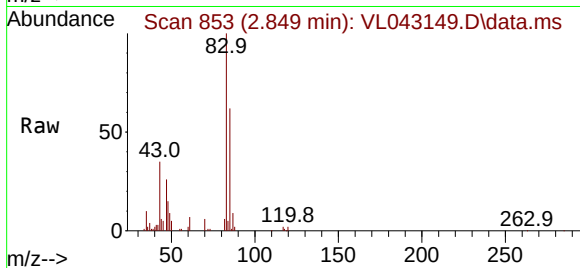
Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda

11/07/2025



#30

Cyclohexane

Concen: 0.423 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.007 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

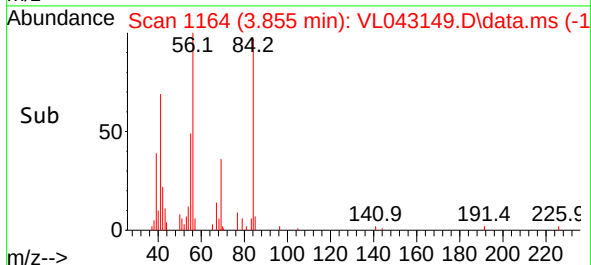
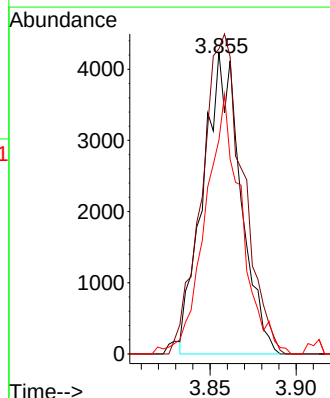
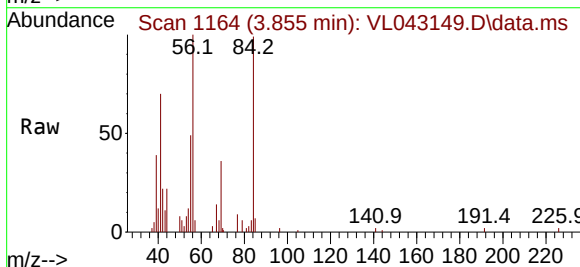
Tgt Ion: 84 Resp: 6462

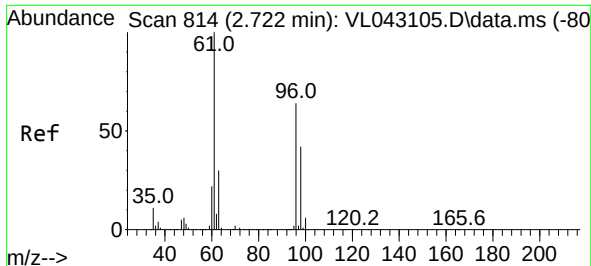
Ion Ratio Lower Upper

84 100

56 115.9 100.9 151.3

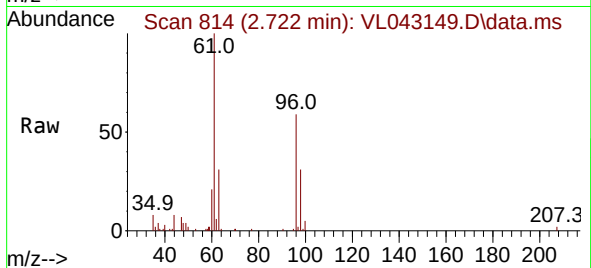
41 82.4 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.546 ppbv m
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

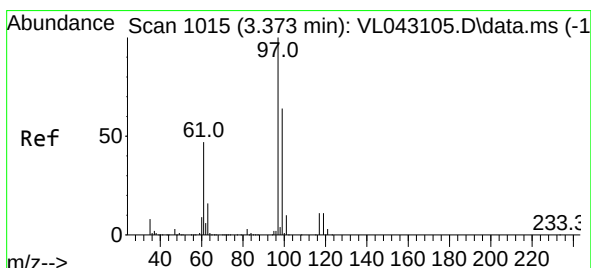
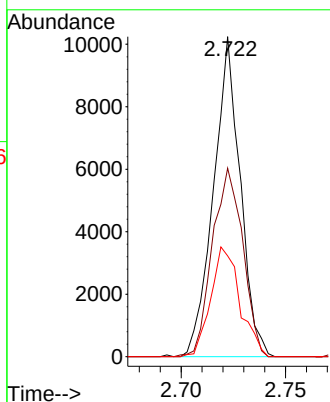
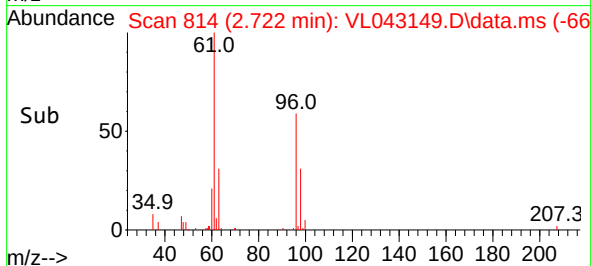
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025



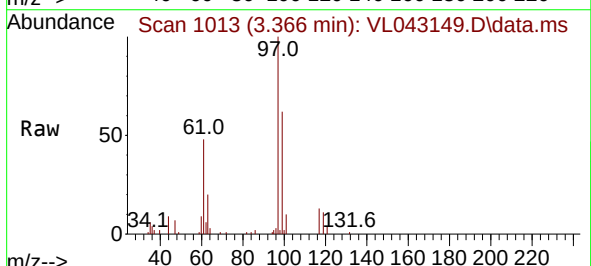
Tgt Ion: 61 Resp: 9128
 Ion Ratio Lower Upper
 61 100
 96 58.9 51.0 76.6
 98 31.5 33.5 50.3

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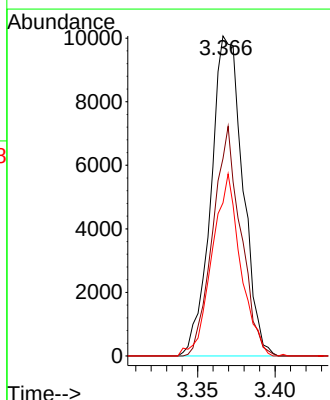
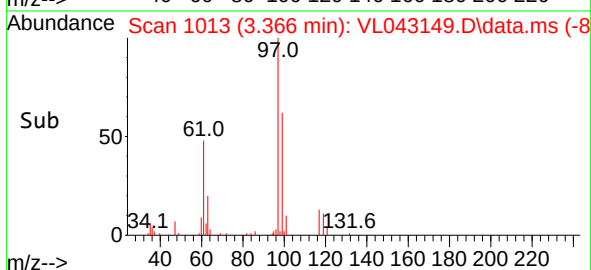
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025

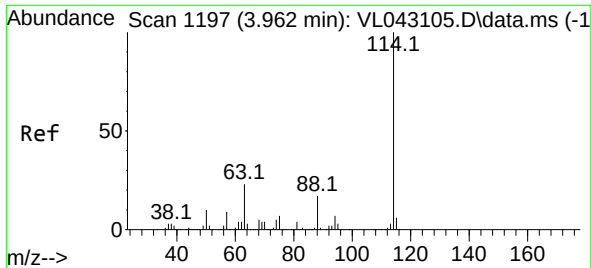


#32
 1,1,1-Trichloroethane
 Concen: 0.543 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.007 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23



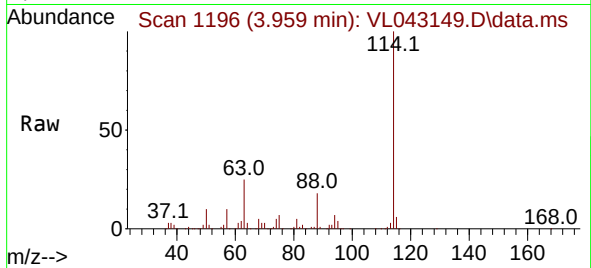
Tgt Ion: 97 Resp: 14366
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.3 76.9
 61 51.3 38.4 57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

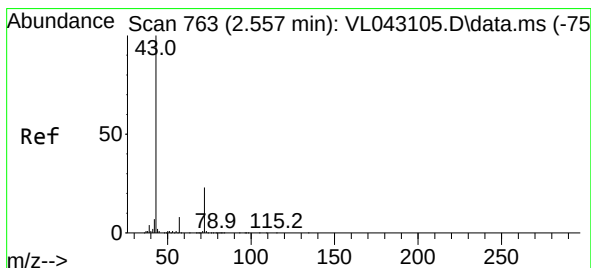
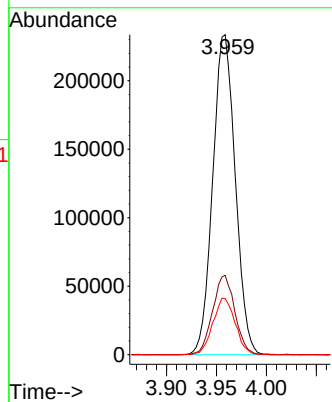
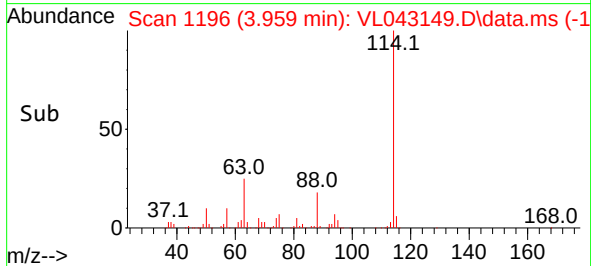
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion:114 Resp: 366332
Ion Ratio Lower Upper
114 100
63 24.5 19.3 28.9
88 17.5 13.9 20.9

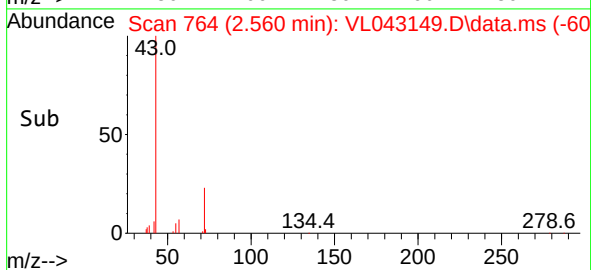
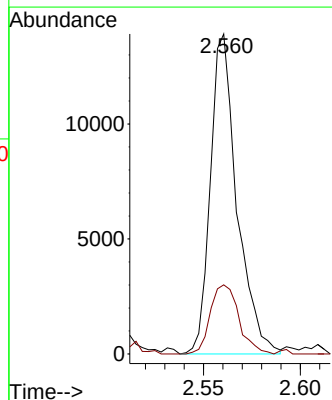
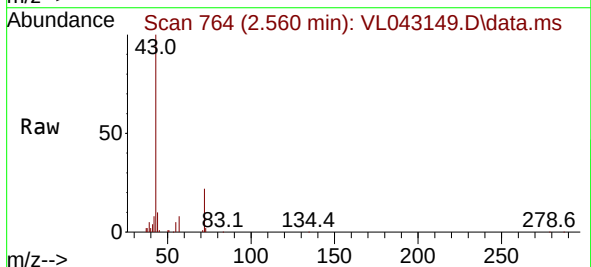
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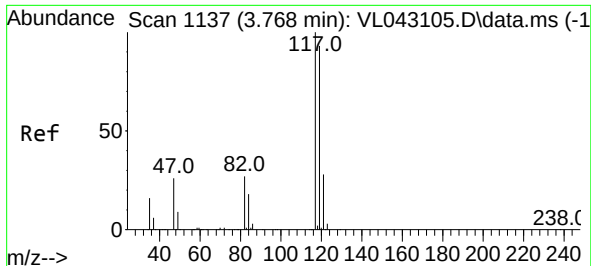
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#34
2-Butanone
Concen: 0.540 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

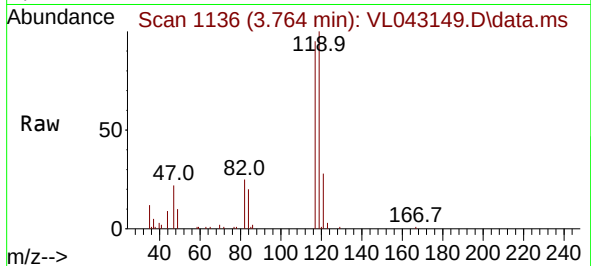
Tgt Ion: 43 Resp: 13293
Ion Ratio Lower Upper
43 100
72 23.6 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.552 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

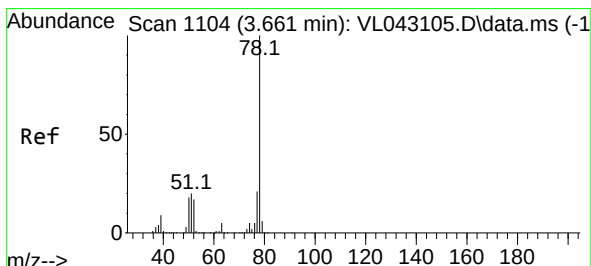
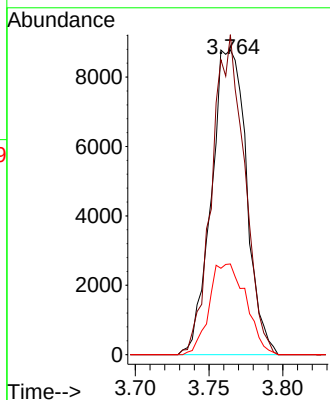
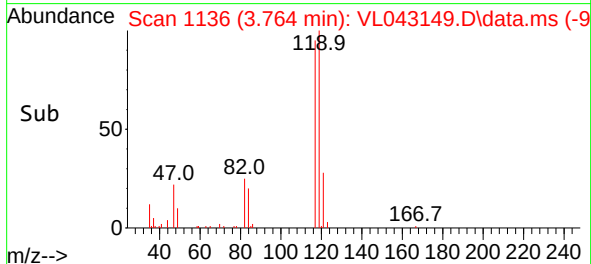
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 117 Resp: 1454
Ion Ratio Lower Upper
117 100
119 105.0 74.1 111.1
121 29.8 22.2 33.2

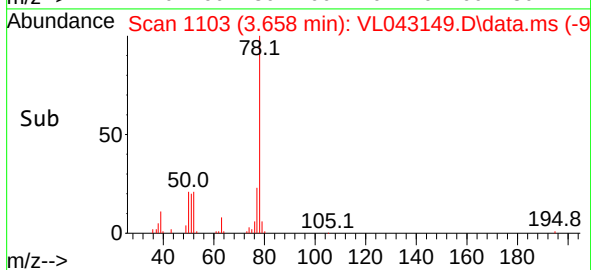
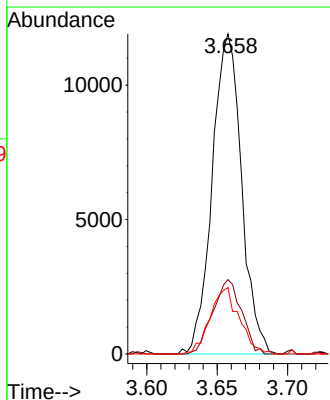
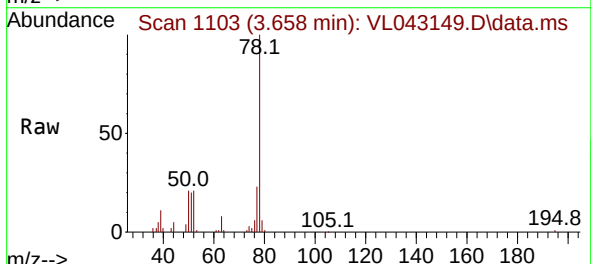
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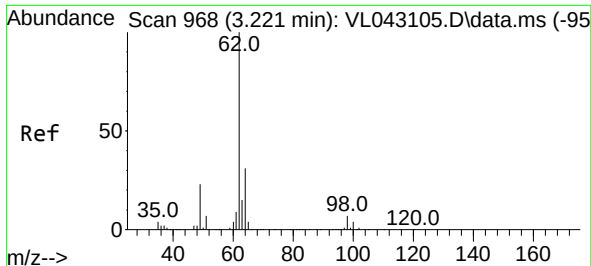
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#36
Benzene
Concen: 0.500 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 78 Resp: 17247
Ion Ratio Lower Upper
78 100
77 23.2 17.0 25.6
50 20.7 14.6 22.0





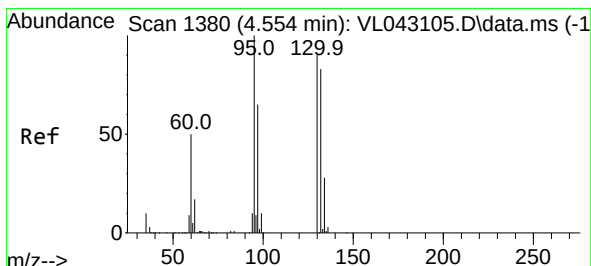
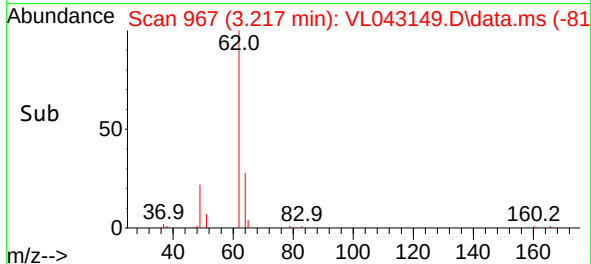
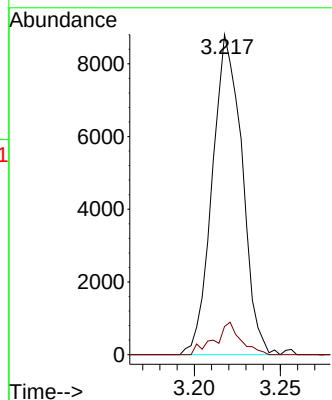
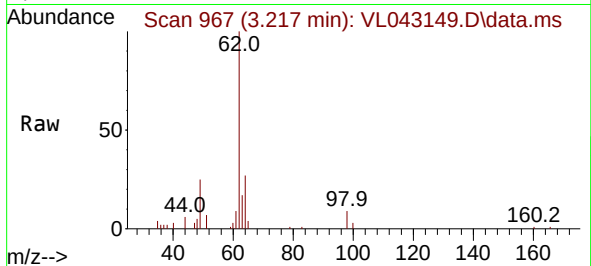
#37
1,2-Dichloroethane
Concen: 0.532 ppbv
RT: 3.217 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 62 Resp: 10584
Ion Ratio Lower Upper
62 100
98 8.8 5.8 8.6

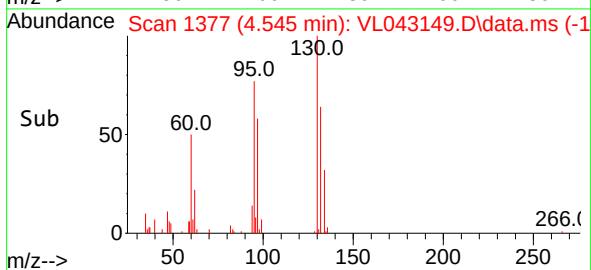
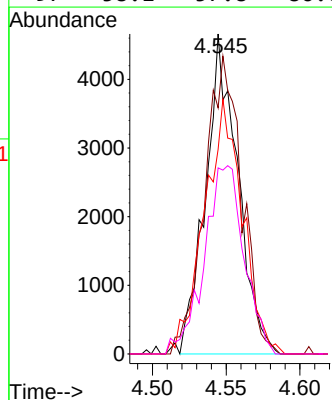
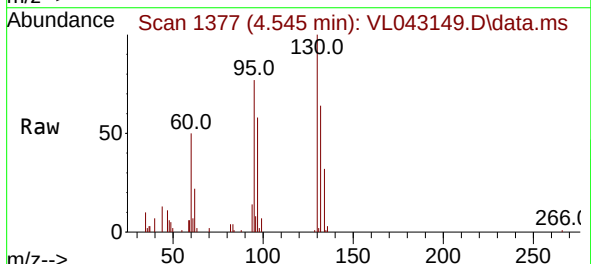
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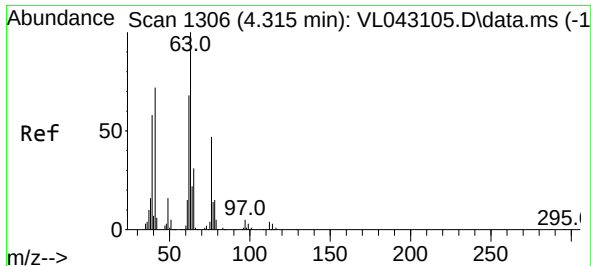
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#38
Trichloroethene
Concen: 0.490 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion:130 Resp: 7063
Ion Ratio Lower Upper
130 100
95 76.9 88.6 133.0#
132 62.4 73.4 110.0#
97 58.1 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.461 ppbv m

RT: 4.308 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

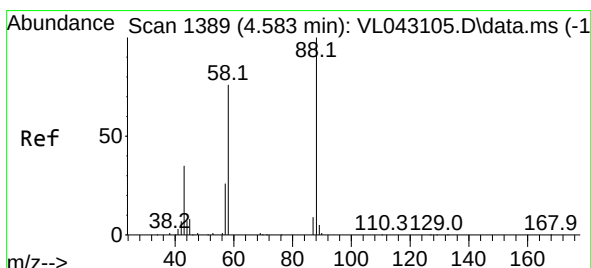
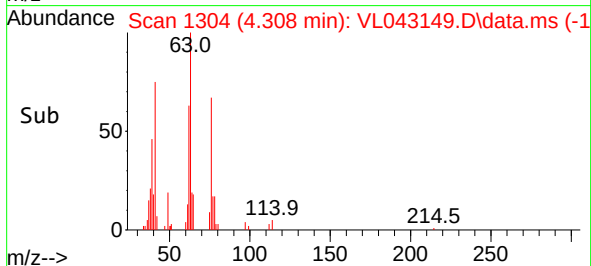
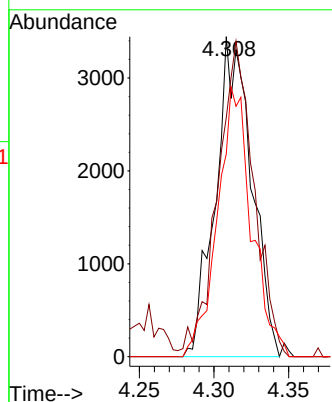
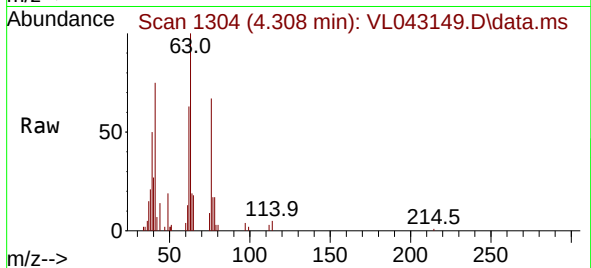
LOD-MDL-AIR-01-QT4-2025

Tgt Ion: 63	Resp: 5818
Ion Ratio	Lower Upper
63	100
41	74.7 58.0 87.0
62	63.4 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: 0.476 ppbv m

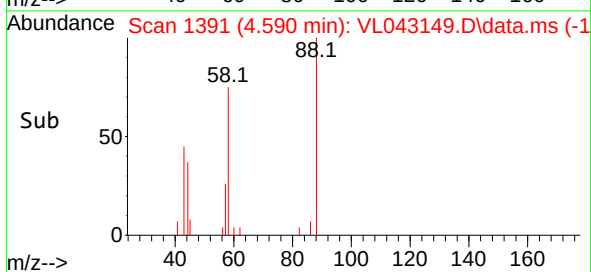
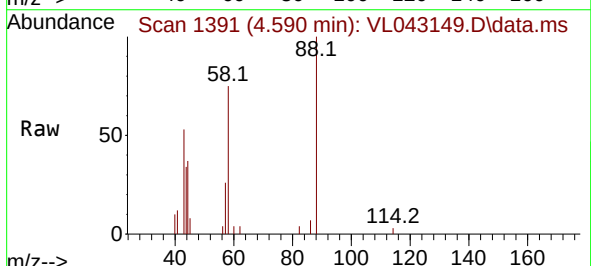
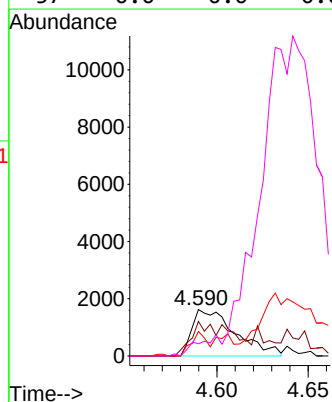
RT: 4.590 min Scan# 1391

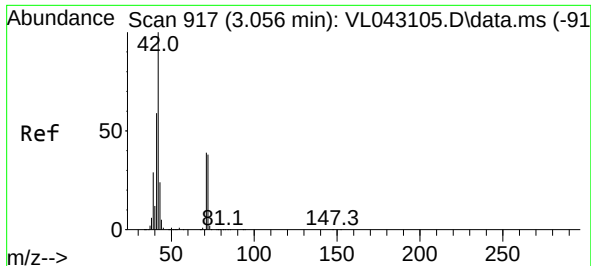
Delta R.T. 0.006 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Tgt Ion: 88	Resp: 2684
Ion Ratio	Lower Upper
88	100
58	121.8 61.1 91.7#
43	0.0 24.0 36.0#
57	0.0 0.0 0.0





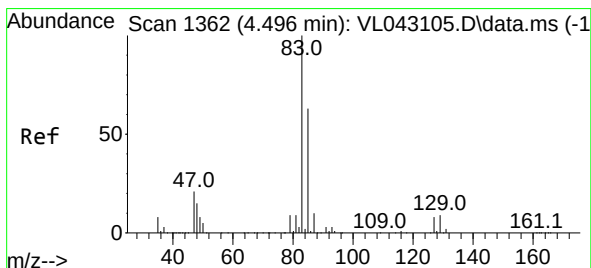
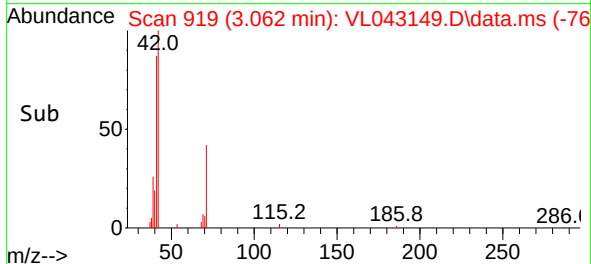
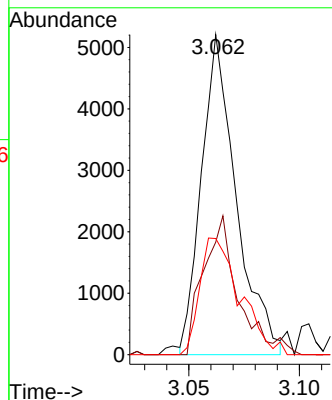
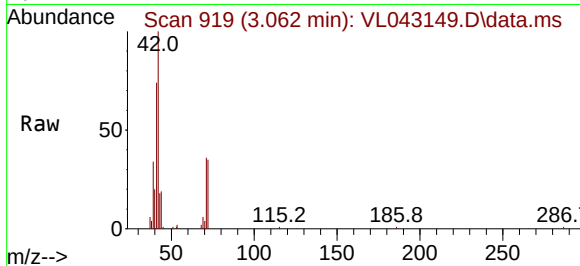
#41
Tetrahydrofuran
Concen: 0.414 ppbv
RT: 3.062 min Scan# 917
Delta R.T. 0.006 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 42 Resp: 570
Ion Ratio Lower Upper
42 100
72 43.6 31.3 46.9
71 42.2 30.4 45.6

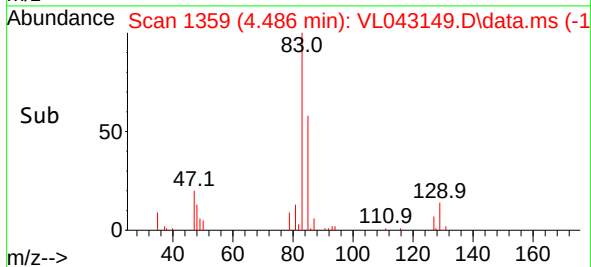
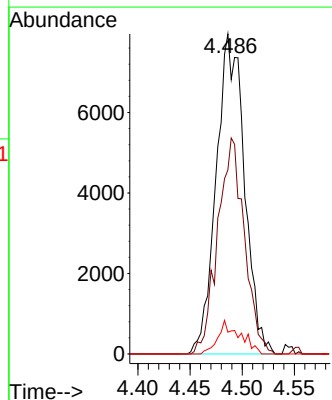
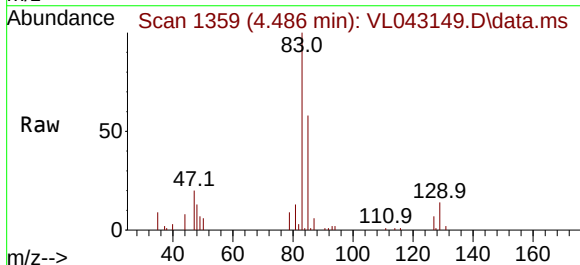
Manual Integrations
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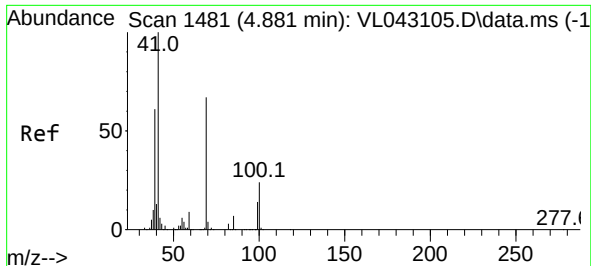
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#42
Bromodichloromethane
Concen: 0.543 ppbv m
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 83 Resp: 14934
Ion Ratio Lower Upper
83 100
85 57.5 50.6 75.8
127 6.8 6.3 9.5





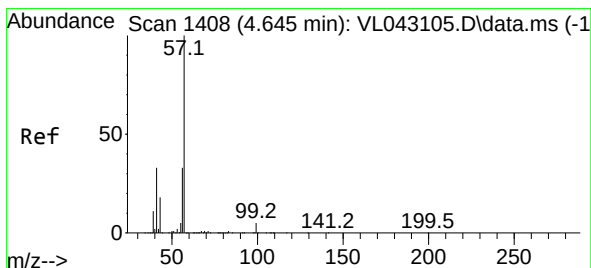
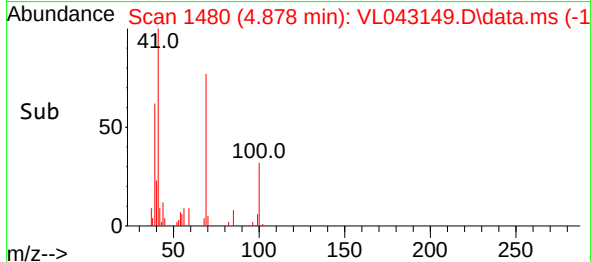
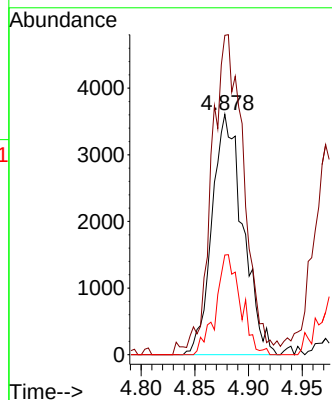
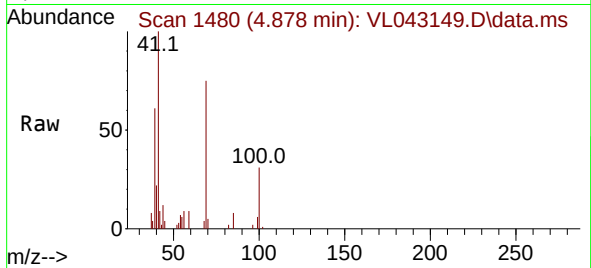
#43
Methyl Methacrylate
Concen: 0.412 ppbv m
RT: 4.878 min Scan# 1481
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 69 Resp: 7220
Ion Ratio Lower Upper
69 100
41 139.3 120.5 180.7
100 33.6 29.0 43.4

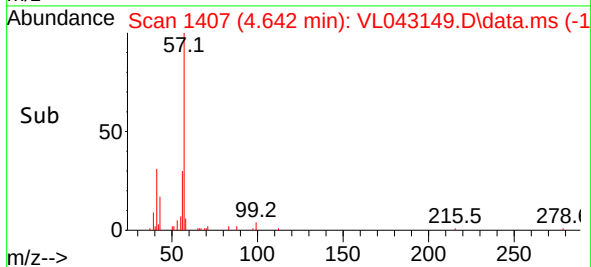
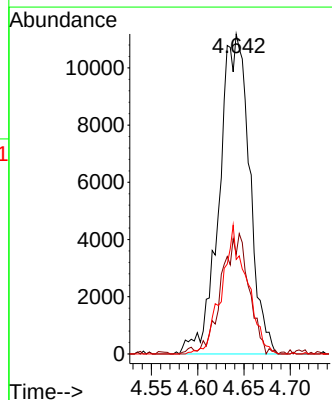
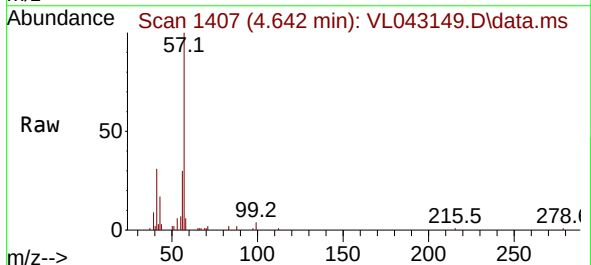
Manual Integrations
APPROVED

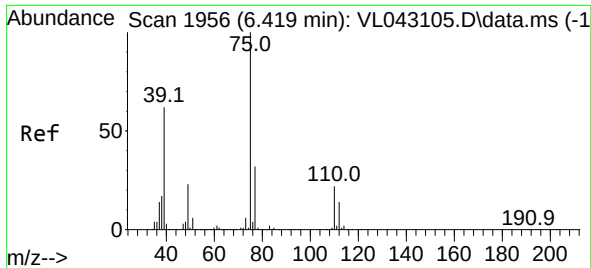
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#44
2,2,4-Trimethylpentane
Concen: 0.437 ppbv m
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

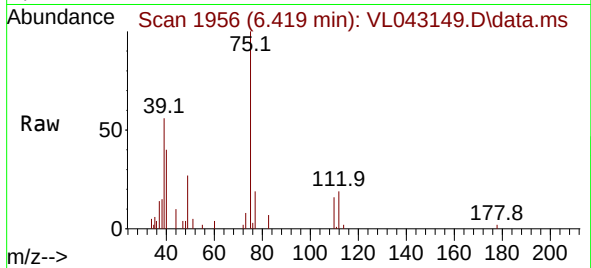
Tgt Ion: 57 Resp: 25438
Ion Ratio Lower Upper
57 100
41 34.9 26.3 39.5
56 33.8 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 0.394 ppbv m
 RT: 6.419 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

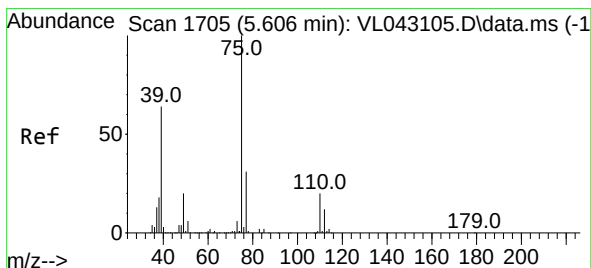
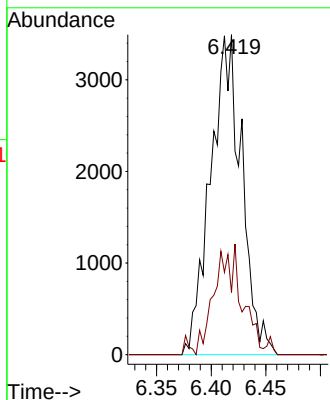
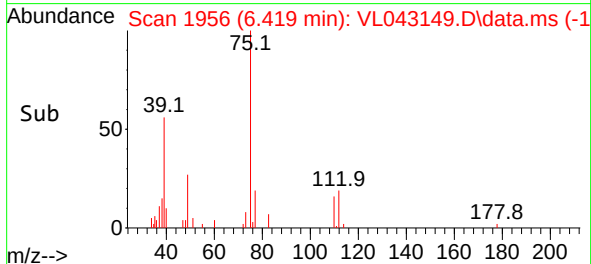
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 75 Resp: 6924
 Ion Ratio Lower Upper
 75 100
 77 19.5 25.4 38.2

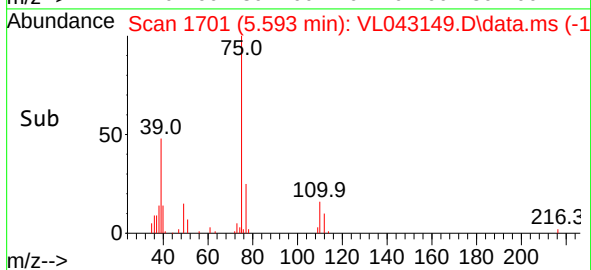
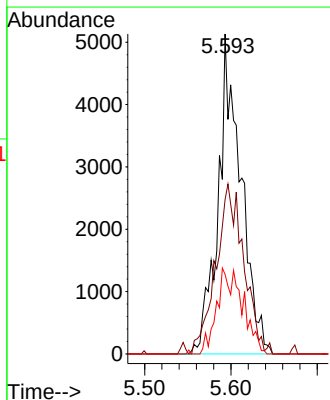
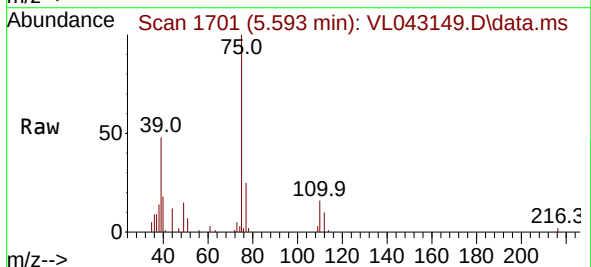
Manual Integrations
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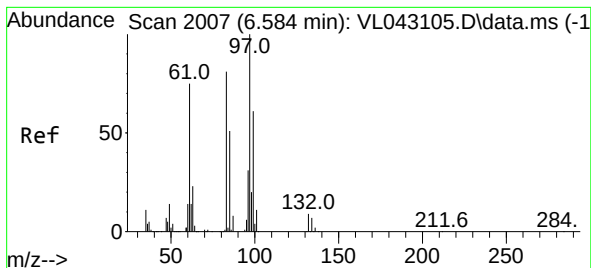
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.449 ppbv m
 RT: 5.593 min Scan# 1701
 Delta R.T. -0.013 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

Tgt Ion: 75 Resp: 9422
 Ion Ratio Lower Upper
 75 100
 39 48.2 51.0 76.6#
 77 24.8 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.512 ppbv

RT: 6.587 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

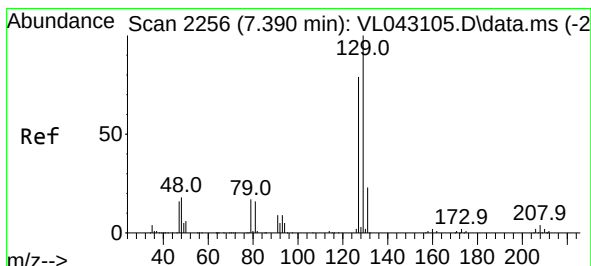
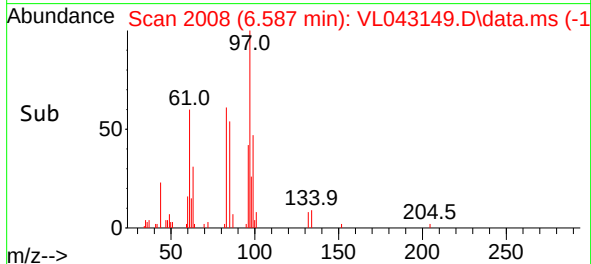
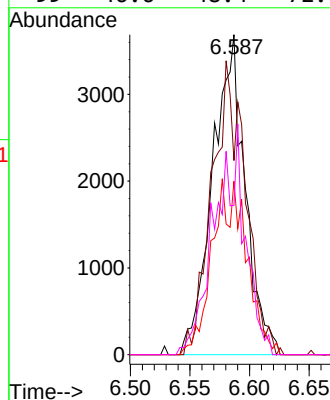
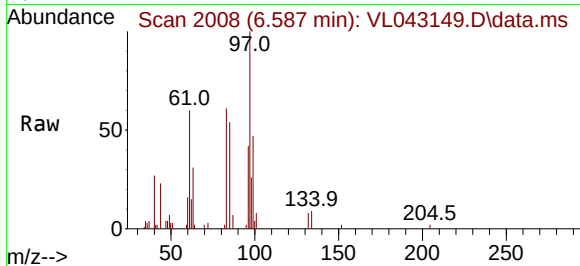
Tgt Ion: 97	Resp: 6970
Ion Ratio	Lower Upper
97 100	
83 60.7	64.6 96.8
85 54.2	40.6 60.8
99 46.6	48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#48

Dibromochloromethane

Concen: 0.532 ppbv m

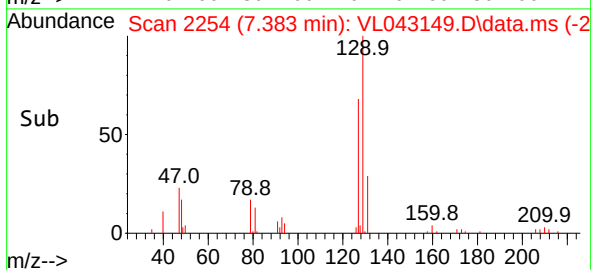
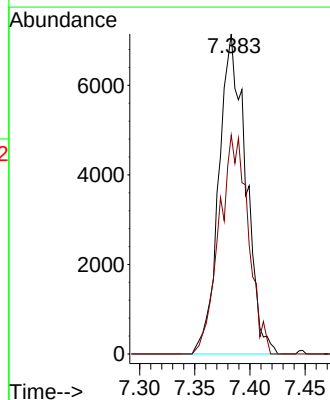
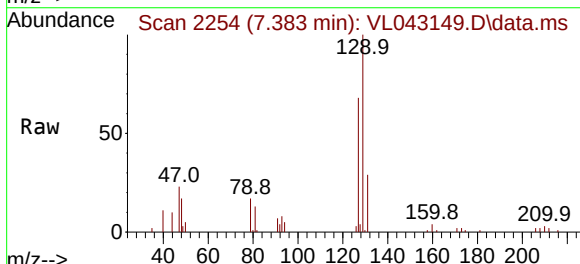
RT: 7.383 min Scan# 2254

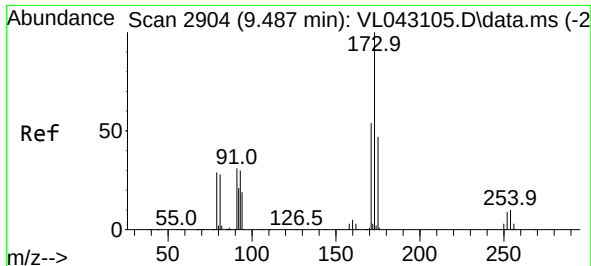
Delta R.T. -0.007 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Tgt Ion:129	Resp: 12122
Ion Ratio	Lower Upper
129 100	
127 74.0	39.3 117.9





#49

Bromoform

Concen: 0.530 ppbv

RT: 9.480 min Scan# 2904

Delta R.T. -0.007 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

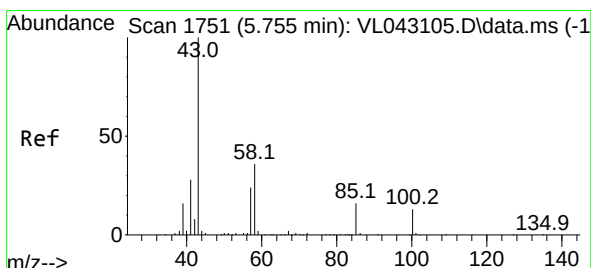
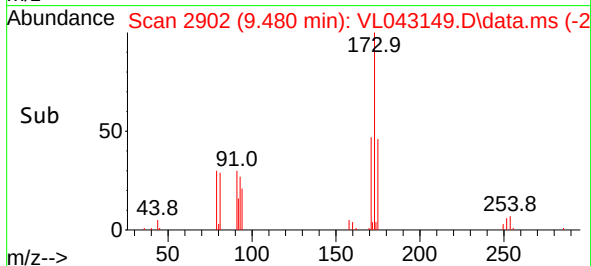
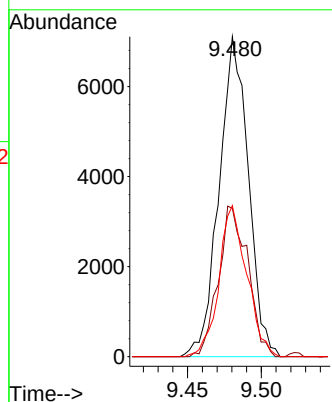
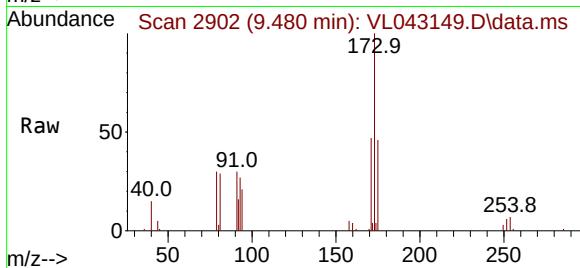
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:	173	Resp:	980
Ion Ratio	Lower	Upper	
173	100		
175	47.8	38.8	58.2
171	45.0	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: 0.388 ppbv m

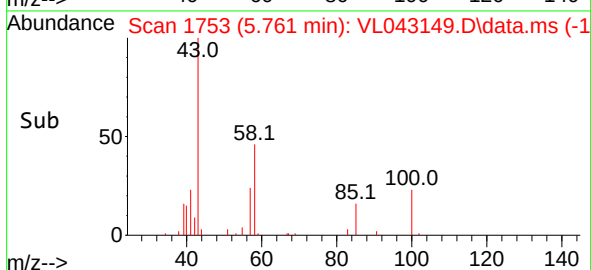
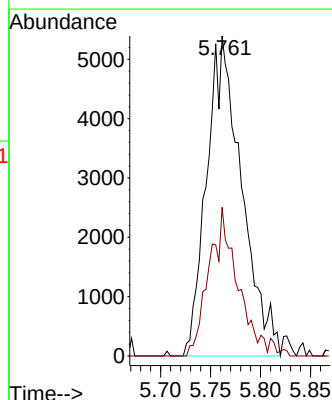
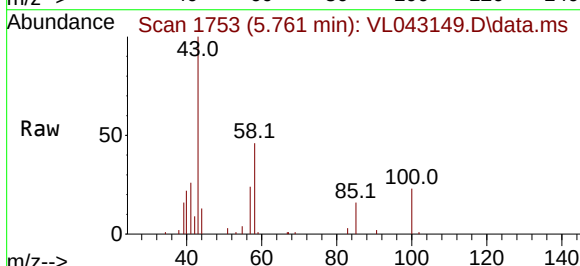
RT: 5.761 min Scan# 1753

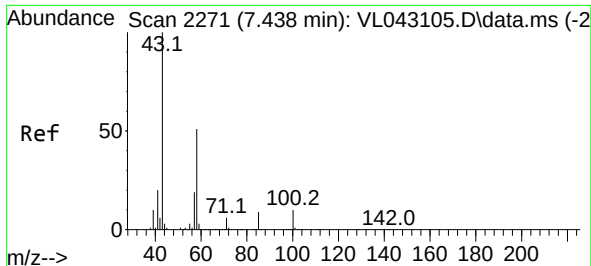
Delta R.T. 0.006 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

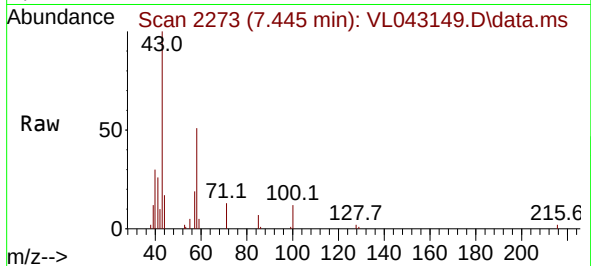
Tgt Ion:	43	Resp:	13176
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.1	43.7#





#51
2-Hexanone
Concen: 0.336 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

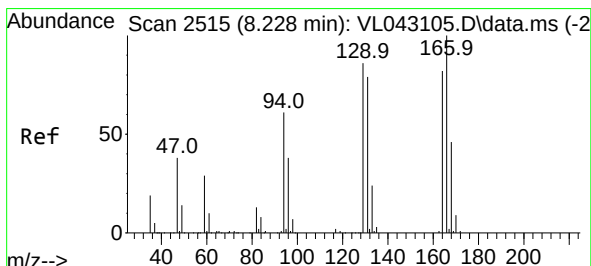
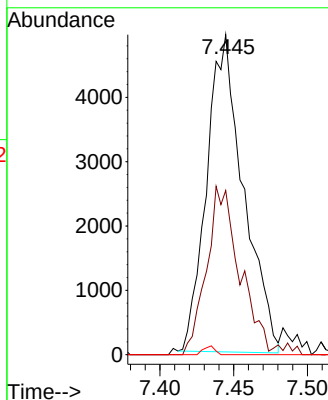
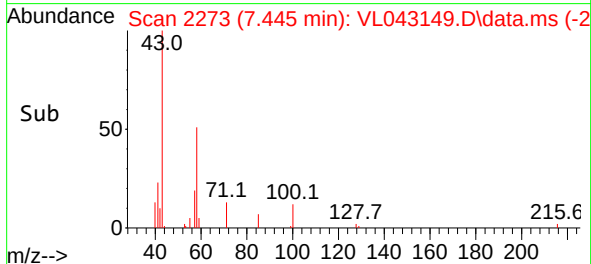
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 43 Resp: 8552
Ion Ratio Lower Upper
43 100
58 49.2 40.4 60.6
98 0.9 0.1 0.1

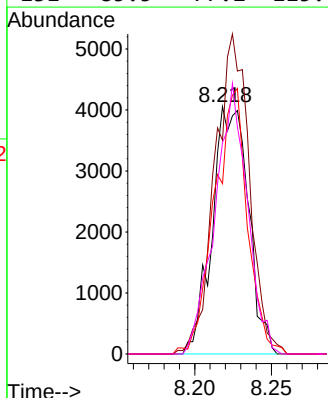
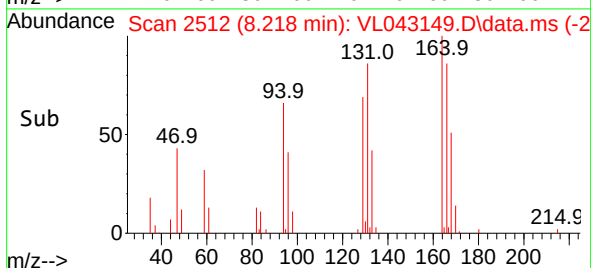
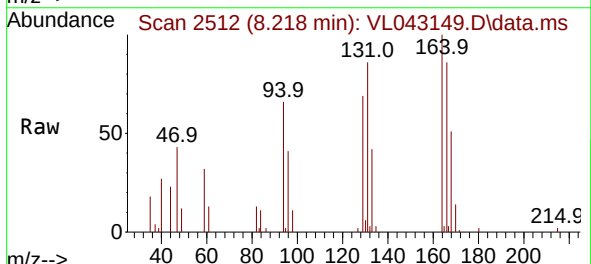
Manual Integrations
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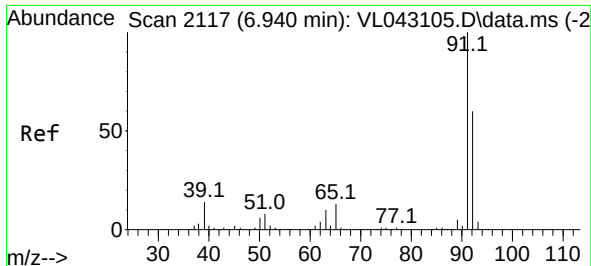
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#52
Tetrachloroethene
Concen: 0.535 ppbv m
RT: 8.218 min Scan# 2512
Delta R.T. -0.010 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

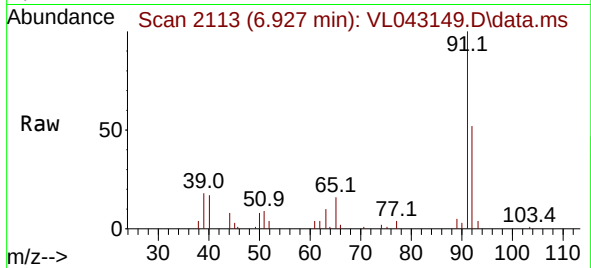
Tgt Ion:164 Resp: 6652
Ion Ratio Lower Upper
164 100
166 86.3 97.6 146.4#
129 68.8 84.5 126.7#
131 85.5 77.2 115.8





#53
Toluene
Concen: 0.412 ppbv m
RT: 6.927 min Scan# 2113
Delta R.T. -0.013 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

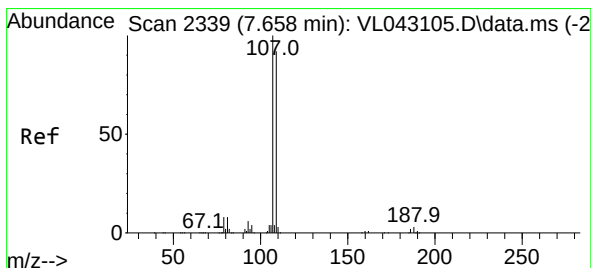
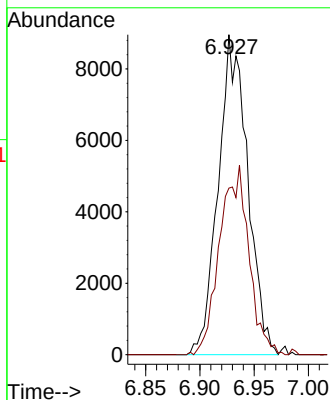
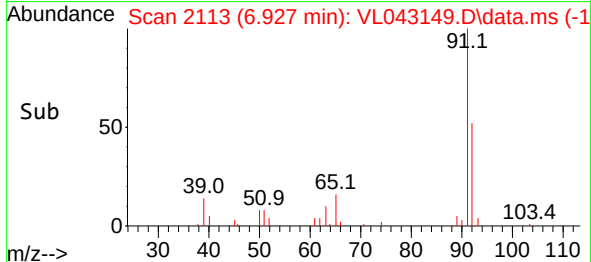
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 91 Resp: 16870
Ion Ratio Lower Upper
91 100
92 59.0 48.8 73.2

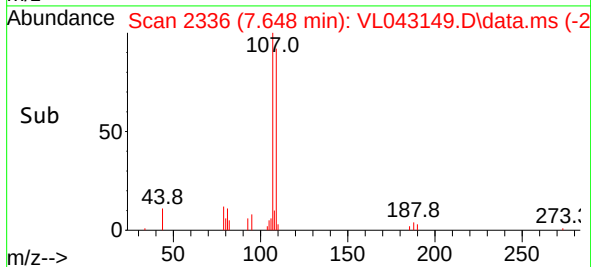
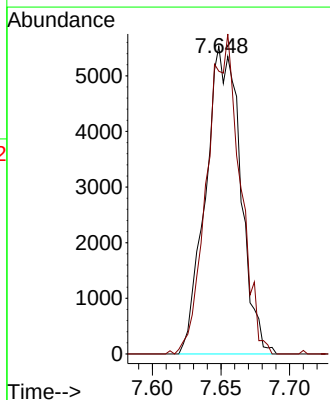
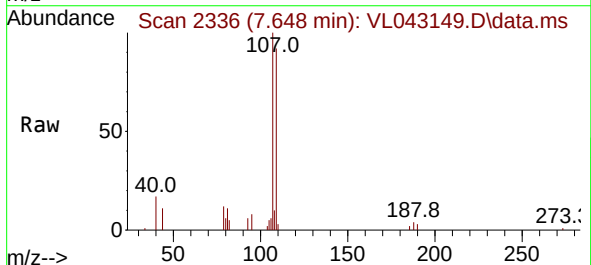
Manual Integrations
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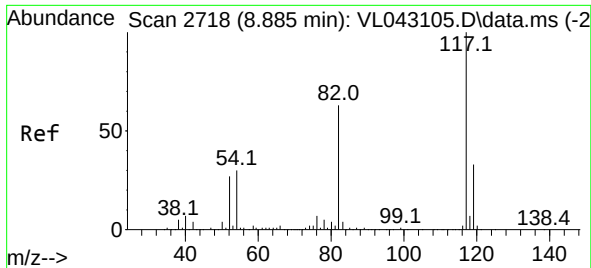
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#54
1,2-Dibromoethane
Concen: 0.459 ppbv m
RT: 7.648 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

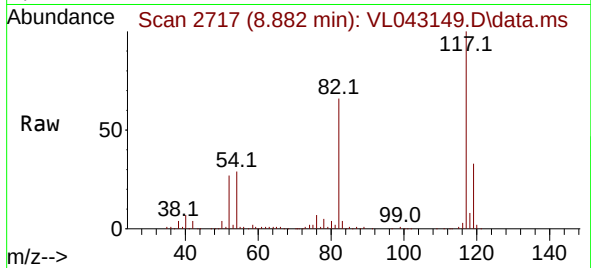
Tgt Ion:107 Resp: 9797
Ion Ratio Lower Upper
107 100
109 91.9 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

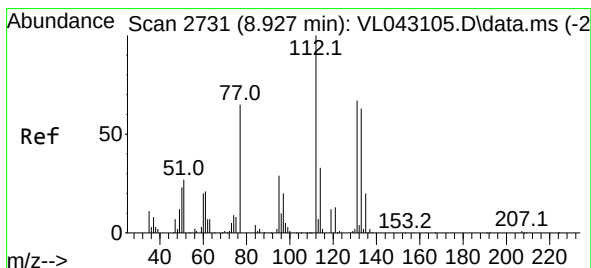
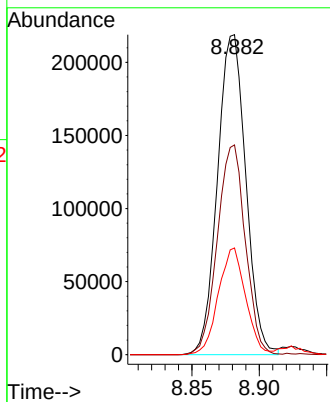
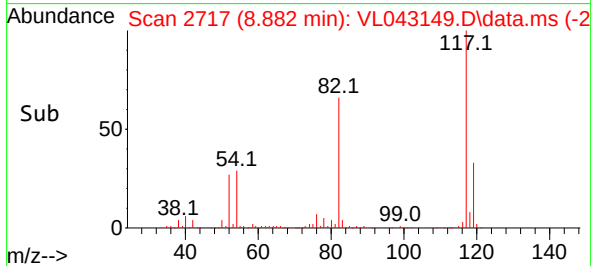
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion:117 Resp: 32098
Ion Ratio Lower Upper
117 100
82 64.7 53.8 80.8
119 34.2 25.4 38.0

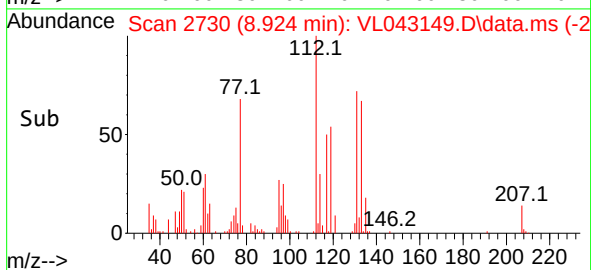
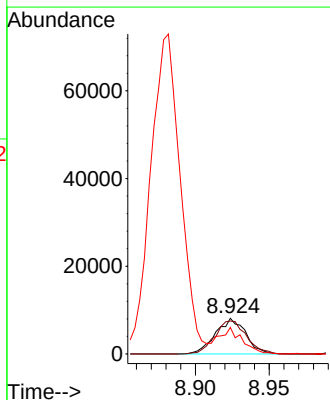
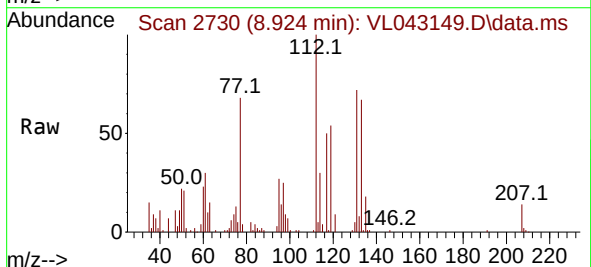
Manual Integrations
APPROVED

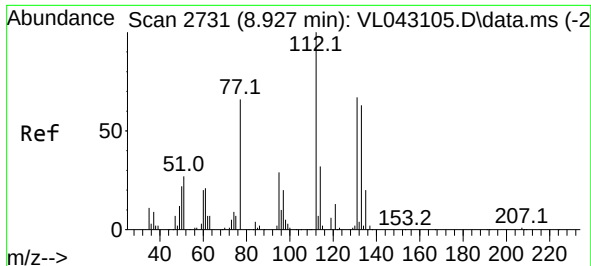
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.571 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion:131 Resp: 11549
Ion Ratio Lower Upper
131 100
133 97.4 75.7 113.5
119 949.9 50.6 76.0#





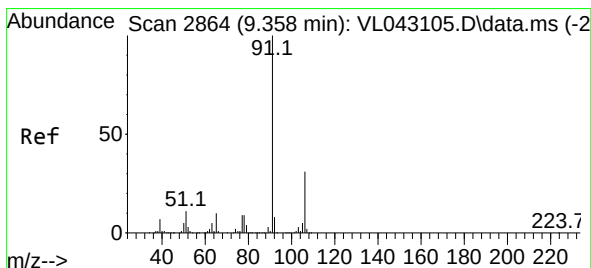
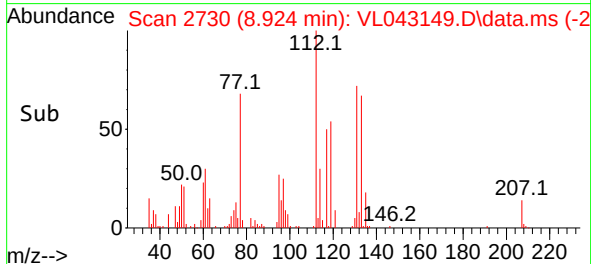
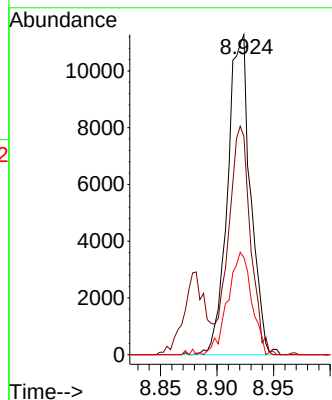
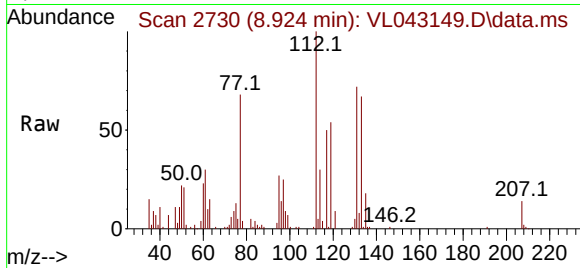
#57
Chlorobenzene
Concen: 0.529 ppbv m
RT: 8.924 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion:112 Resp: 1588
Ion Ratio Lower Upper
112 100
77 68.3 53.3 79.9
114 30.4 29.3 35.8

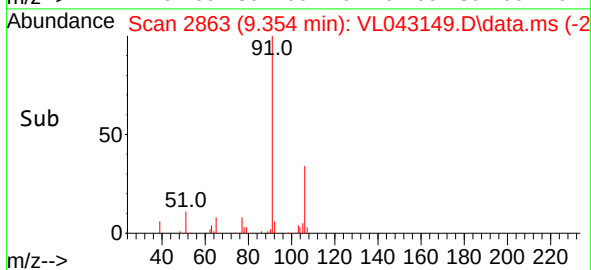
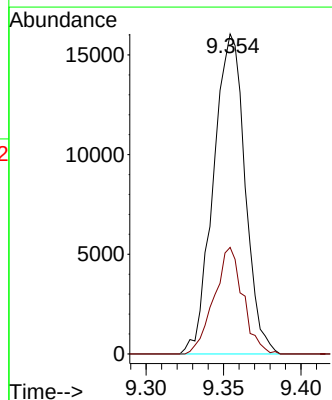
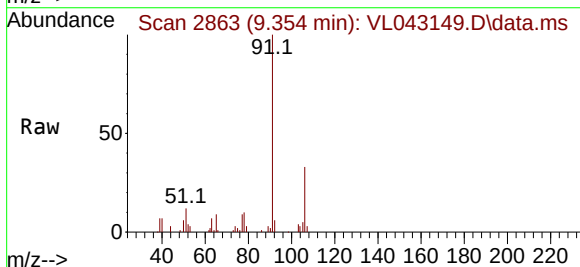
Manual Integrations
APPROVED

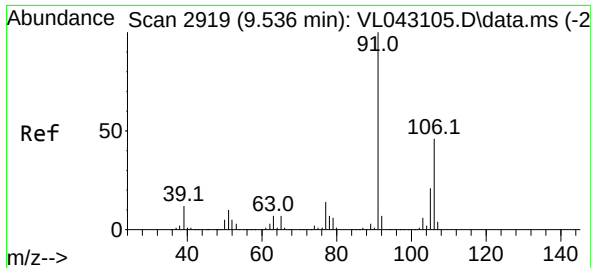
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#58
Ethyl Benzene
Concen: 0.414 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

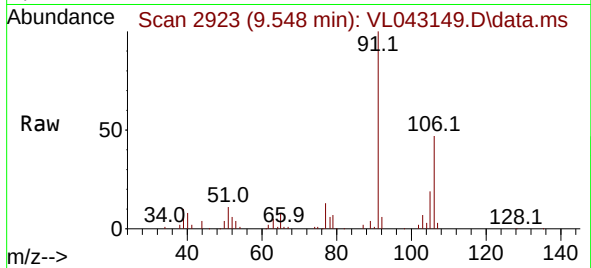
Tgt Ion: 91 Resp: 22797
Ion Ratio Lower Upper
91 100
106 33.3 24.8 37.2





#59
m/p-Xylene
Concen: 0.847 ppbv m
RT: 9.548 min Scan# 2919
Delta R.T. 0.013 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

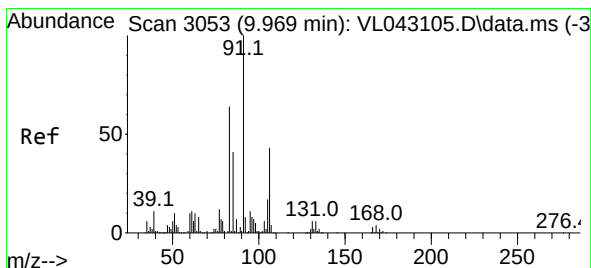
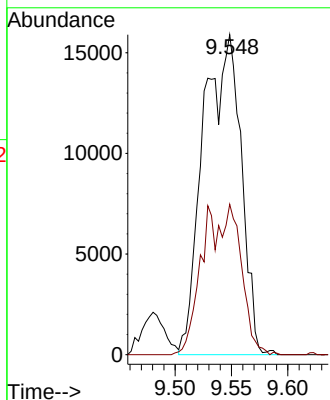
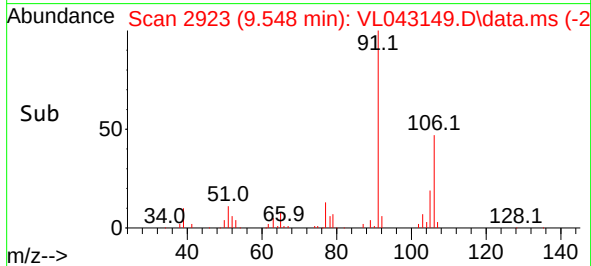
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



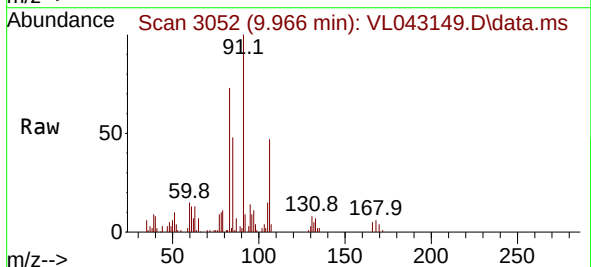
Tgt Ion: 91 Resp: 3721
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

Manual Integrations
APPROVED

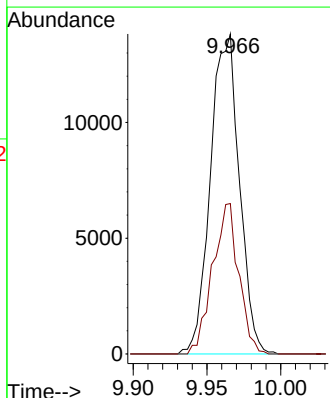
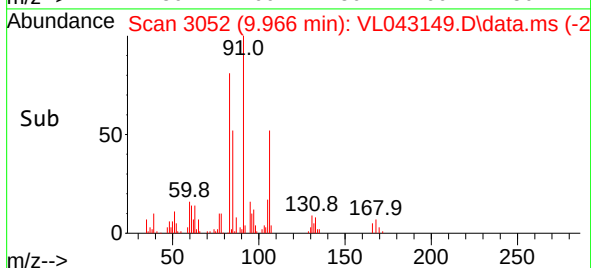
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025

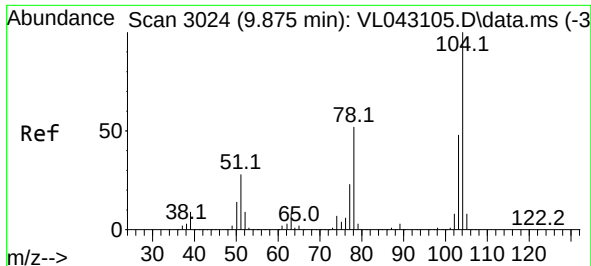


#60
o-Xylene
Concen: 0.434 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23



Tgt Ion: 91 Resp: 18836
Ion Ratio Lower Upper
91 100
106 42.4 21.9 65.8





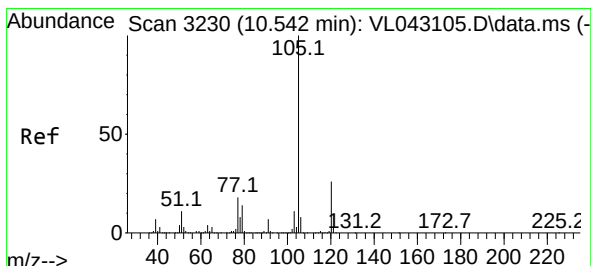
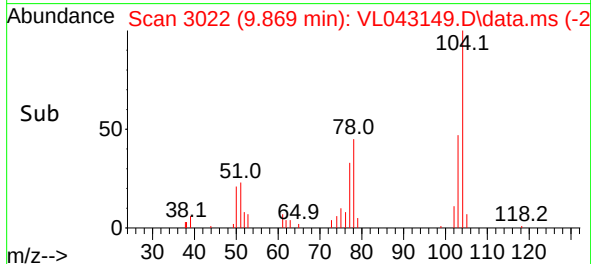
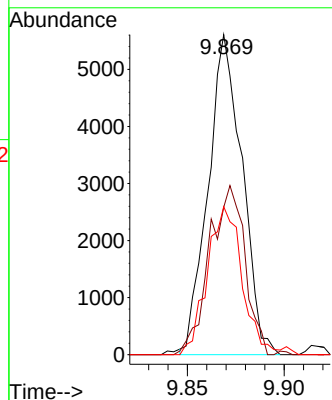
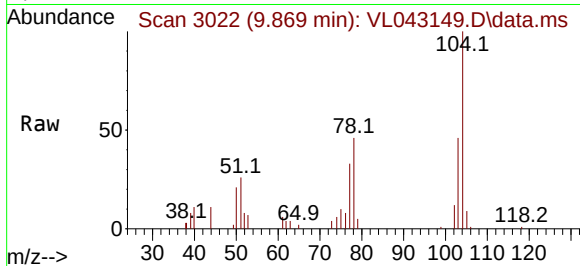
#61
Styrene
Concen: 0.350 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.007 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion:104 Resp: 6864
Ion Ratio Lower Upper
104 100
78 55.4 40.2 60.2
103 47.9 36.9 55.3

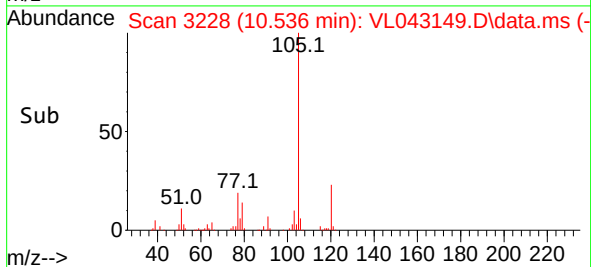
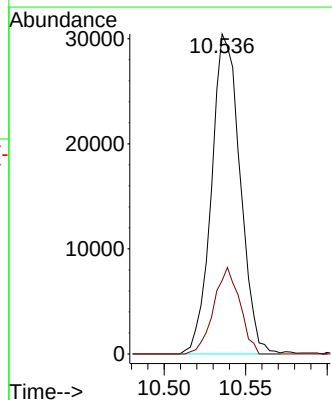
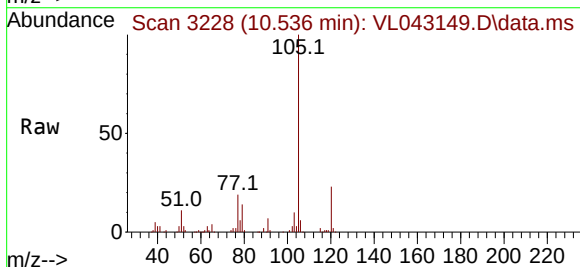
Manual Integrations
APPROVED

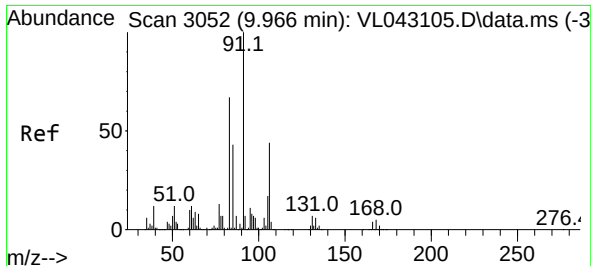
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#62
Isopropylbenzene
Concen: 0.473 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.007 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion:105 Resp: 37075
Ion Ratio Lower Upper
105 100
120 24.7 20.2 30.4





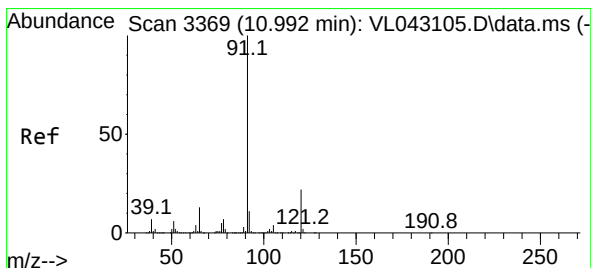
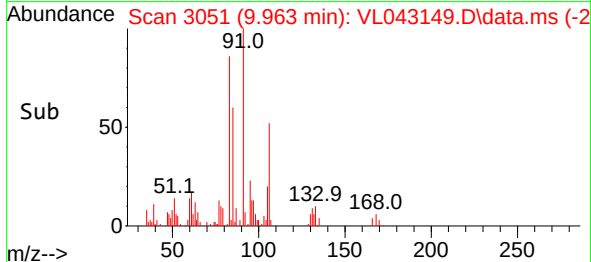
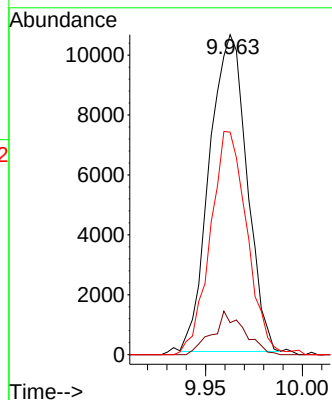
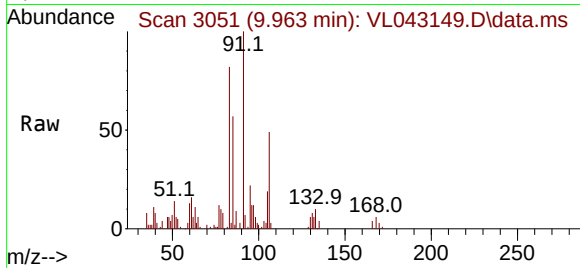
#63
1,1,2,2-Tetrachloroethane
Concen: 0.490 ppbv
RT: 9.963 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 83 Resp: 1423
Ion Ratio Lower Upper
83 100
131 11.6 4.8 14.3
85 69.1 32.0 96.0

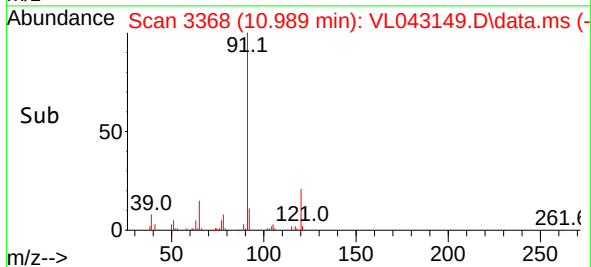
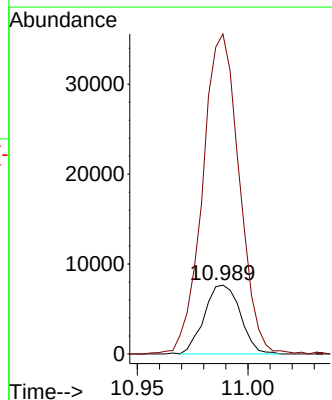
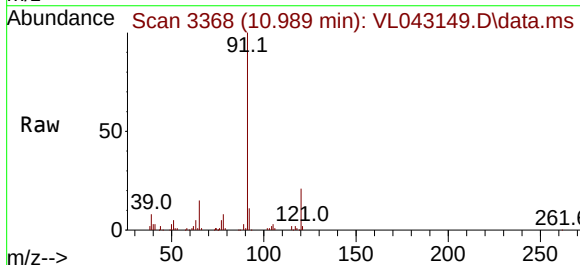
Manual Integrations
APPROVED

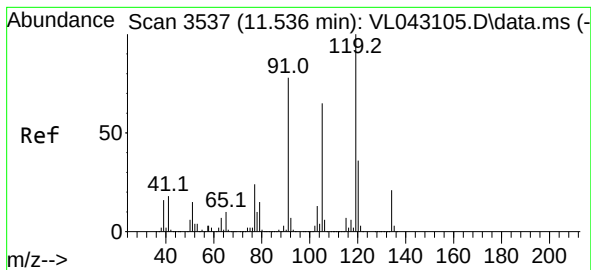
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#64
n-propylbenzene
Concen: 0.416 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion:120 Resp: 8637
Ion Ratio Lower Upper
120 100
91 476.0 361.6 542.4





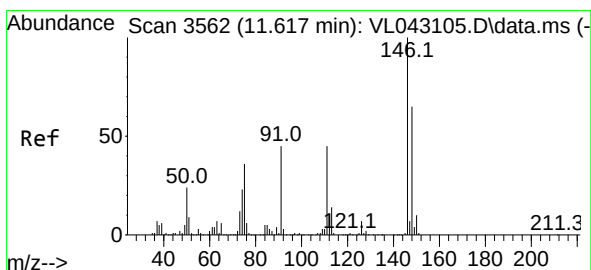
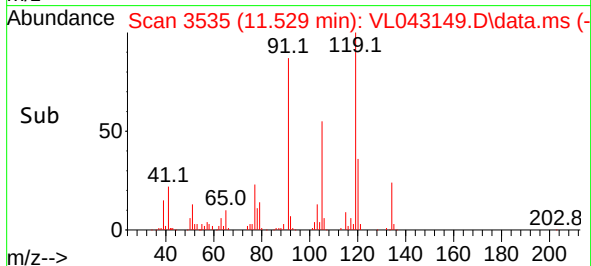
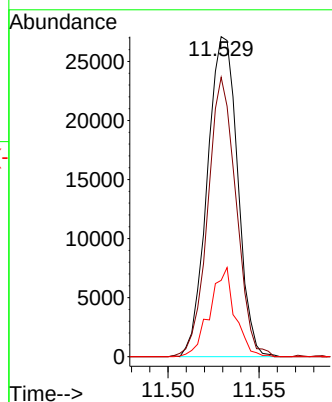
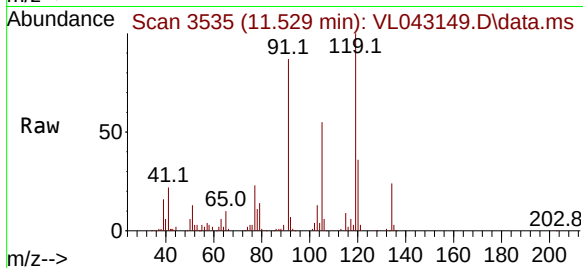
#65
tert-Butylbenzene
Concen: 0.454 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.007 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion:119 Resp: 31429
Ion Ratio Lower Upper
119 100
91 81.5 63.4 95.0
134 23.1 17.3 25.9

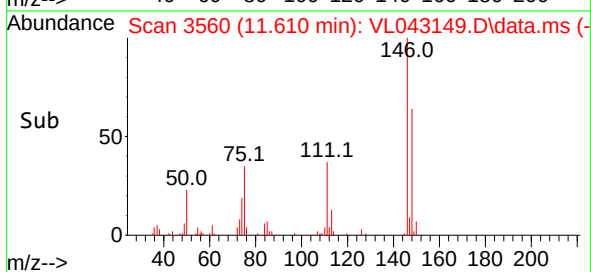
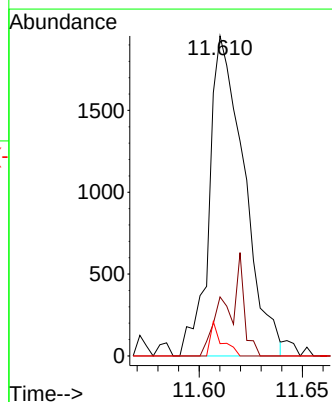
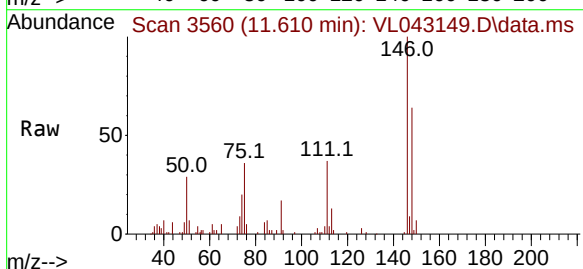
Manual Integrations
APPROVED

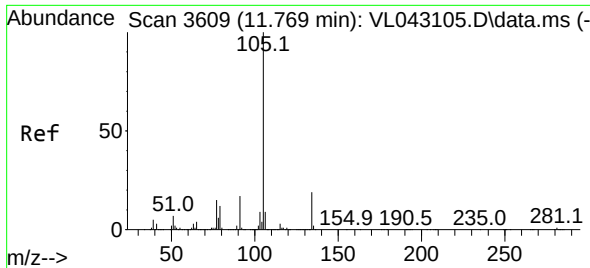
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#66
Benzyl Chloride
Concen: 0.298 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 91 Resp: 2293
Ion Ratio Lower Upper
91 100
126 16.6 14.6 22.0
128 3.5 4.6 6.8#





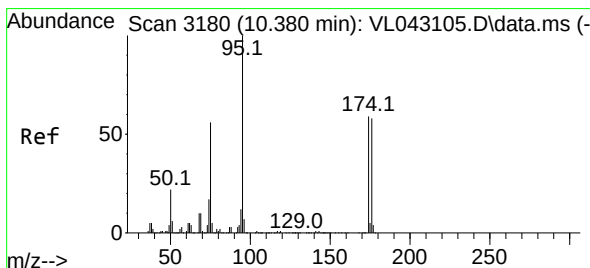
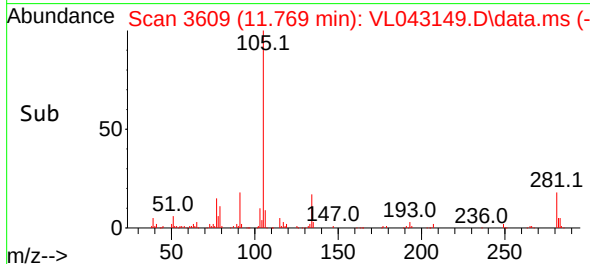
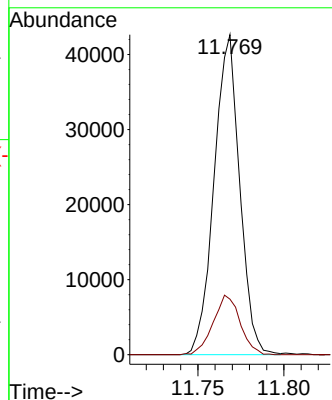
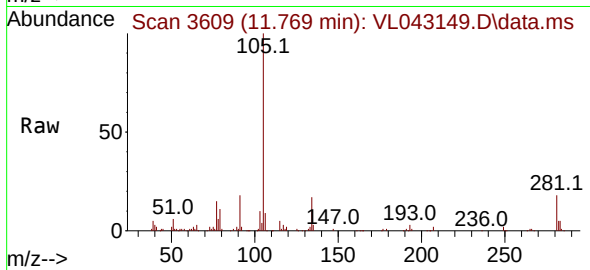
#67
 sec-Butylbenzene
 Concen: 0.449 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

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

Tgt Ion:105 Resp: 4408
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.5 23.3

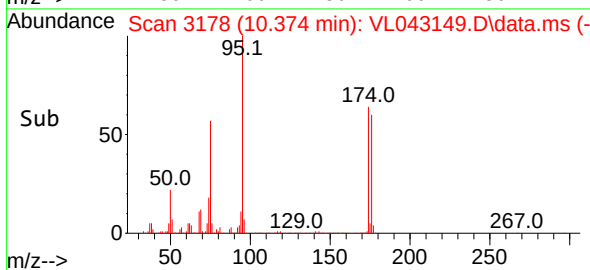
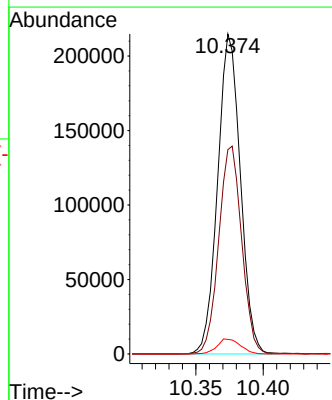
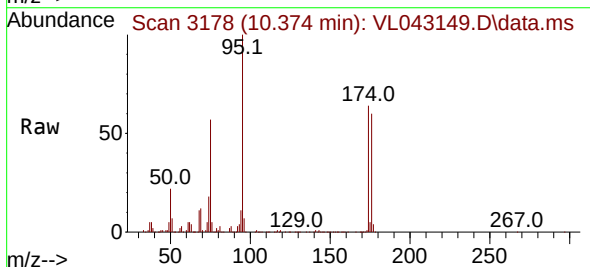
Manual Integrations
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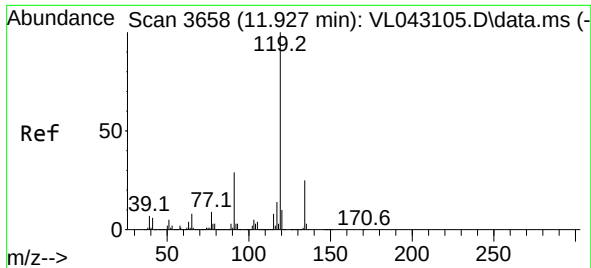
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.109 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.007 min
 Lab File: VL043149.D
 Acq: 04 Nov 2025 11:23

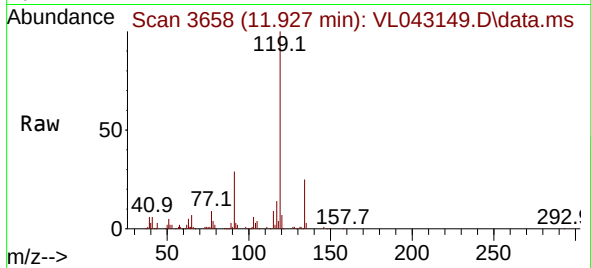
Tgt Ion: 95 Resp: 252206
 Ion Ratio Lower Upper
 95 100
 174 65.4 48.3 72.5
 175 4.8 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.438 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

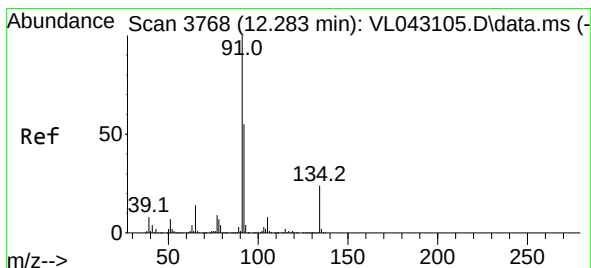
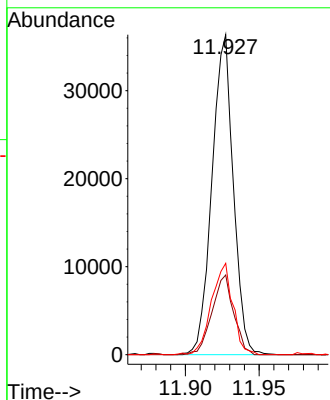
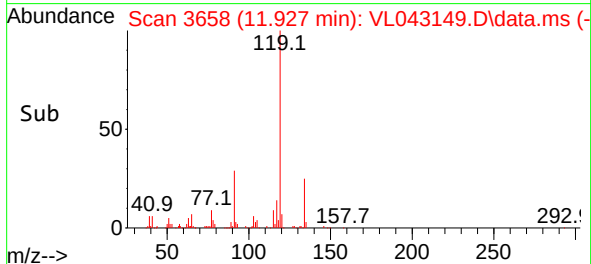
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 119 Resp: 36564
Ion Ratio Lower Upper
119 100
134 25.2 20.3 30.5
91 28.9 22.6 33.8

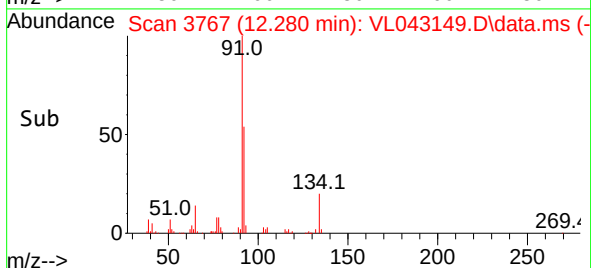
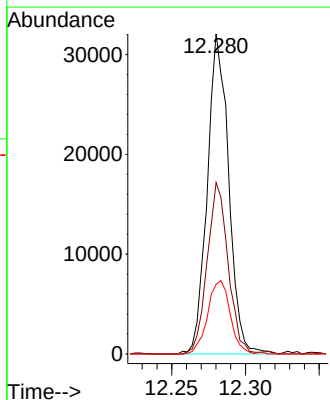
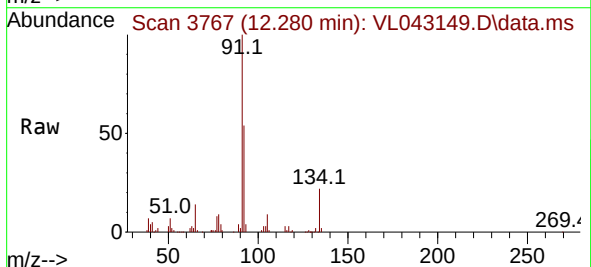
Manual Integrations
APPROVED

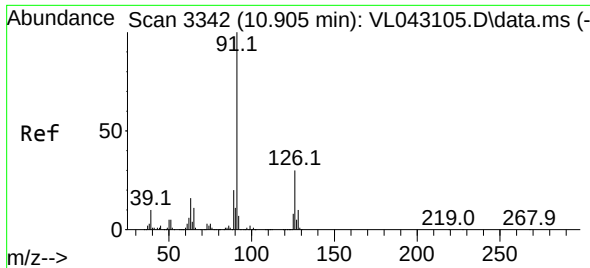
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#70
n-Butylbenzene
Concen: 0.393 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion: 91 Resp: 32351
Ion Ratio Lower Upper
91 100
92 52.7 44.5 66.7
134 24.3 19.3 28.9





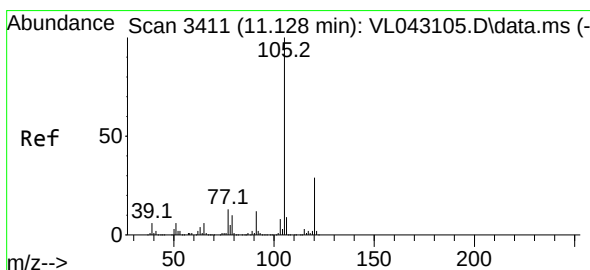
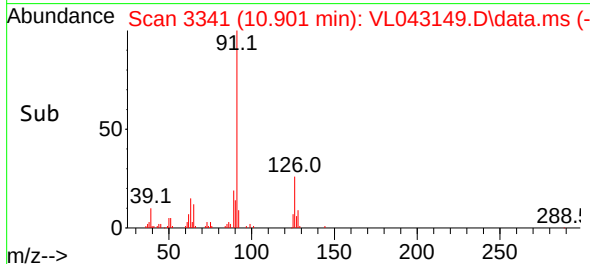
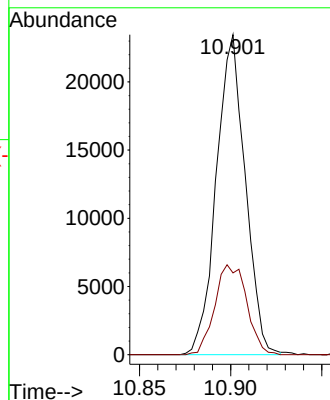
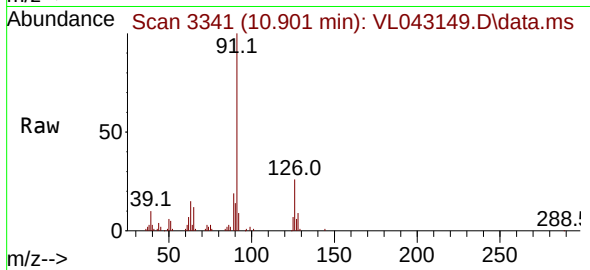
#71
2-Chlorotoluene
Concen: 0.432 ppbv
RT: 10.901 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

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

Tgt Ion: 91 Resp: 2585
Ion Ratio Lower Upper
91 100
126 31.1 12.0 48.0

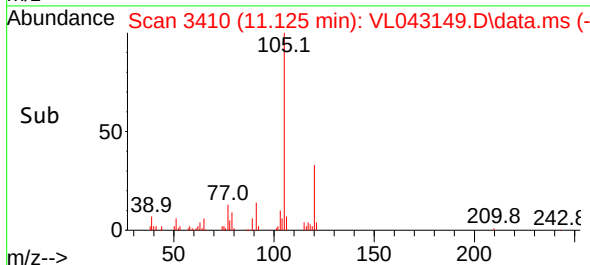
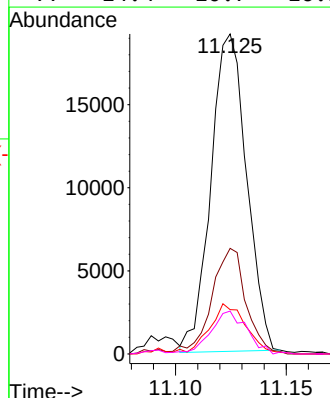
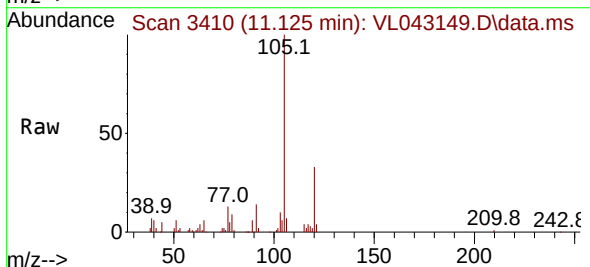
Manual Integrations
APPROVED

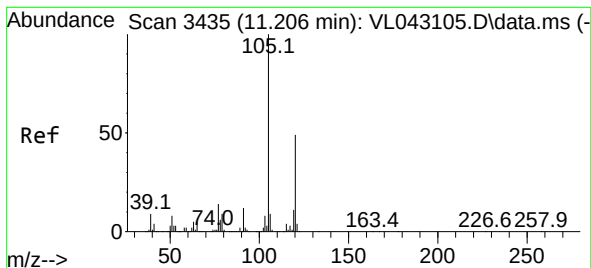
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#72
4-Ethyltoluene
Concen: 0.402 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion:105 Resp: 21430
Ion Ratio Lower Upper
105 100
120 32.8 24.2 36.4
91 17.1 10.0 15.0#
77 14.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.409 ppbv

RT: 11.202 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

Tgt Ion:105 Resp: 17990

Ion Ratio Lower Upper

105 100

120 43.1 39.0 58.6

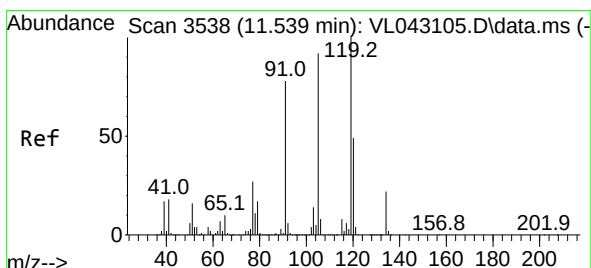
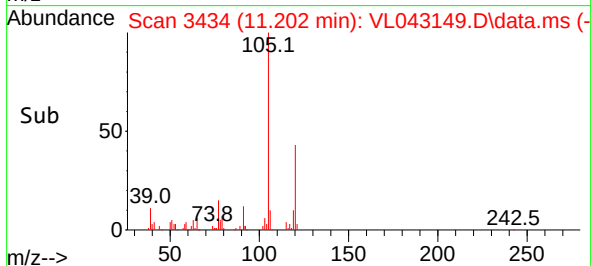
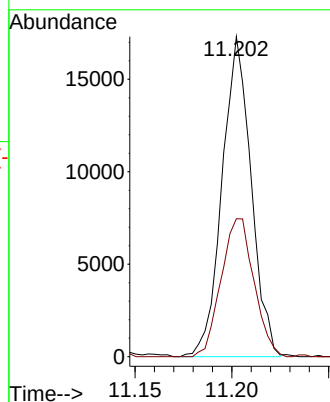
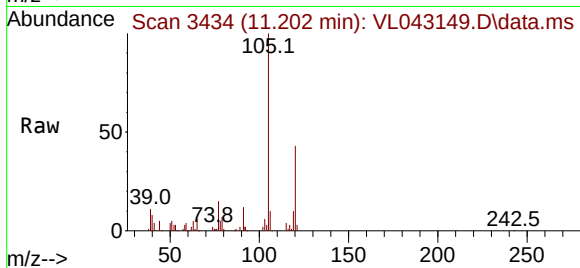
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda

11/07/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.466 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Tgt Ion:105 Resp: 22944

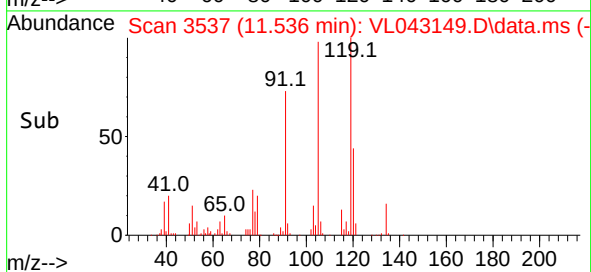
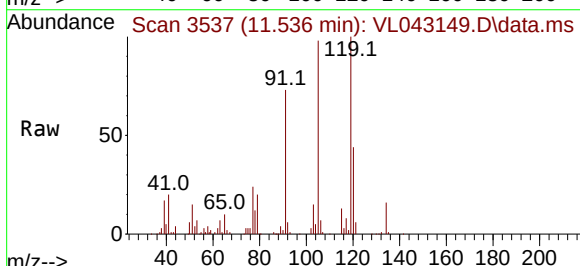
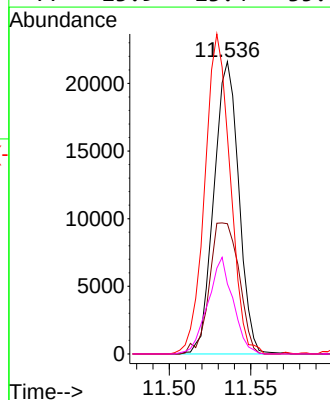
Ion Ratio Lower Upper

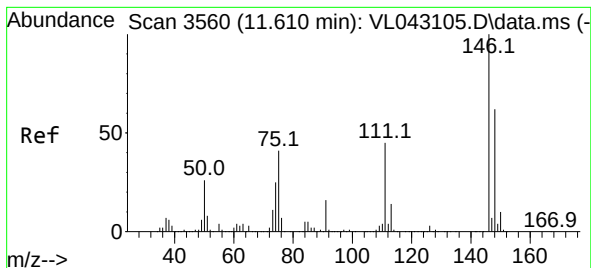
105 100

120 44.5 42.8 64.2

91 74.6 68.3 102.5

77 23.9 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 0.550 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

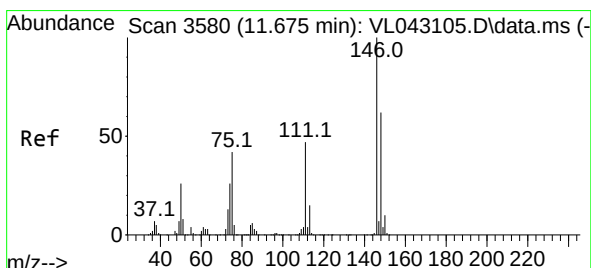
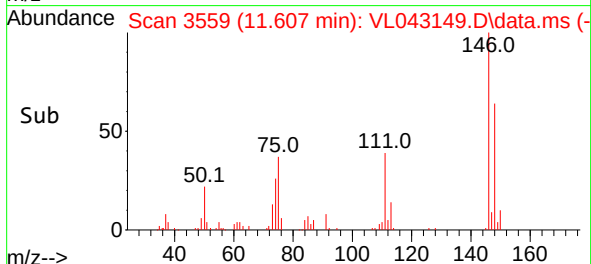
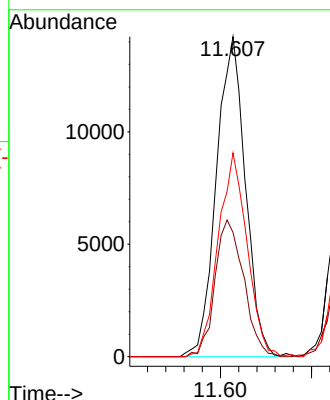
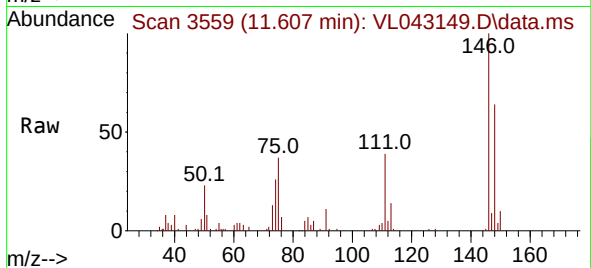
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:146	Resp:	1571
Ion Ratio	Lower	Upper
146	100	
111	42.3	23.3 69.9
148	63.4	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: 0.492 ppbv

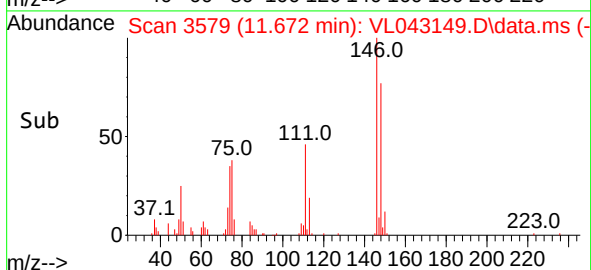
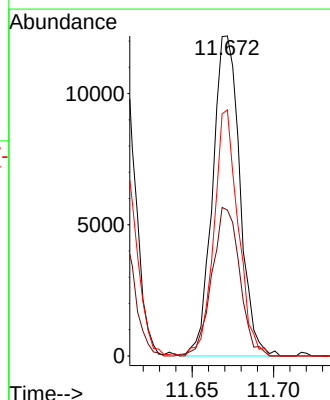
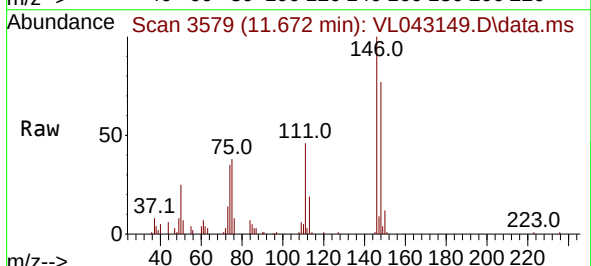
RT: 11.672 min Scan# 3579

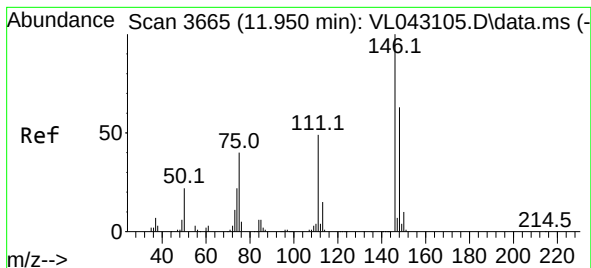
Delta R.T. -0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Tgt Ion:146	Resp:	14161
Ion Ratio	Lower	Upper
146	100	
111	47.2	22.4 67.0
148	68.3	31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 0.549 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

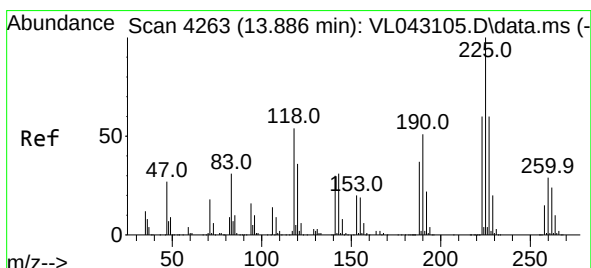
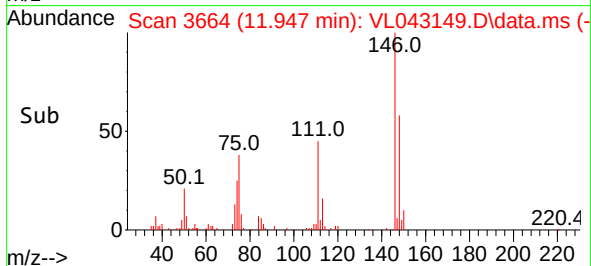
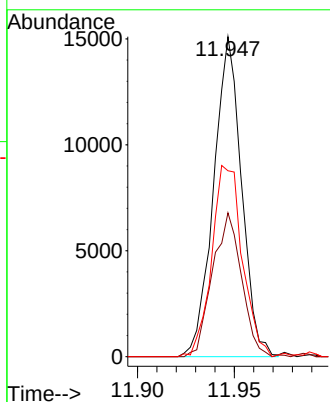
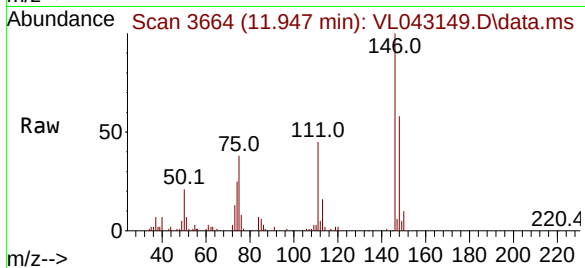
LOD-MDL-AIR-01-QT4-2025

Tgt Ion:	146	Resp:	1515
Ion Ratio	Lower	Upper	
146	100		
111	46.8	24.0	72.0
148	65.7	31.1	93.3

Manual Integrations

APPROVED

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.593 ppbv

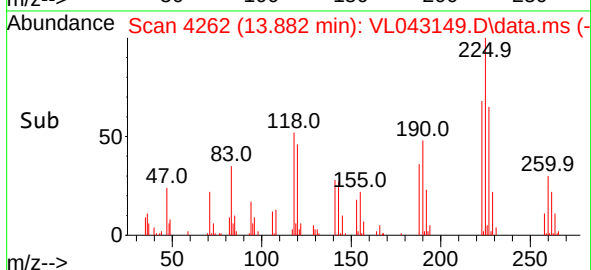
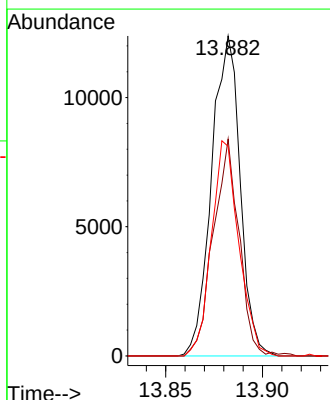
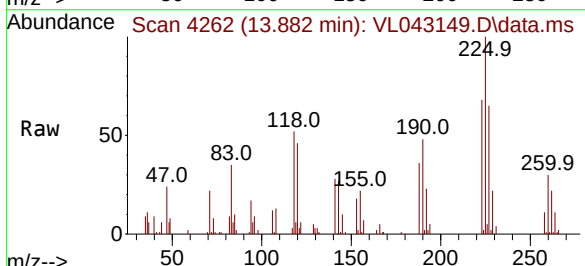
RT: 13.882 min Scan# 4262

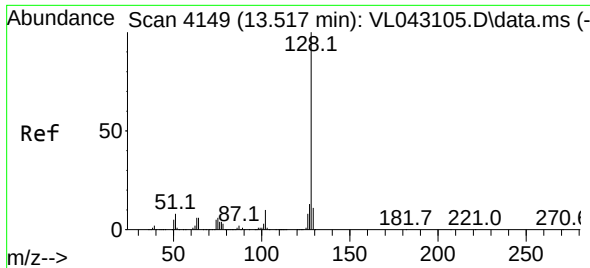
Delta R.T. -0.003 min

Lab File: VL043149.D

Acq: 04 Nov 2025 11:23

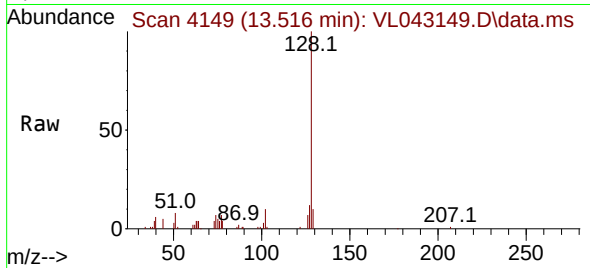
Tgt Ion:	225	Resp:	12697
Ion Ratio	Lower	Upper	
225	100		
223	61.4	50.2	75.4
227	64.7	49.6	74.4





#79
Naphthalene
Concen: 0.295 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

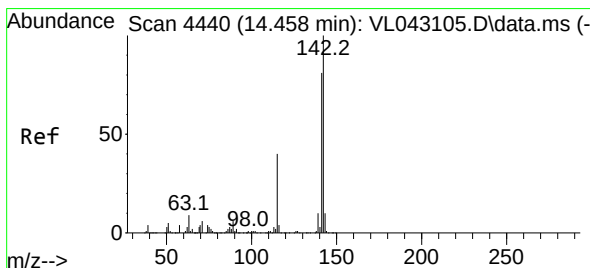
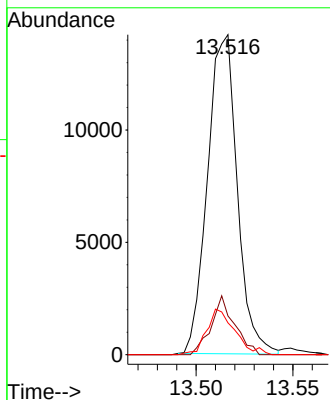
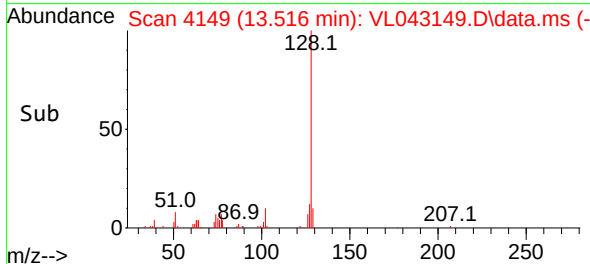
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion:128 Resp: 1519
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 10.0 9.1 13.7

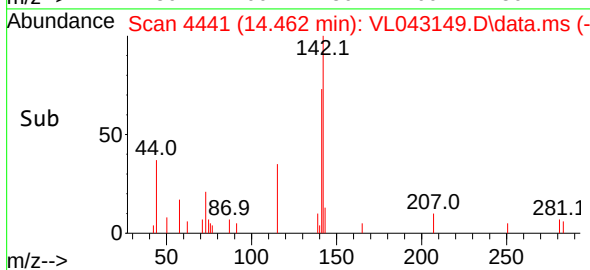
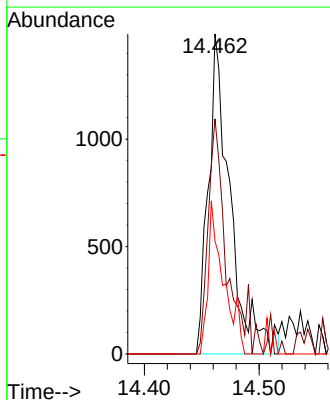
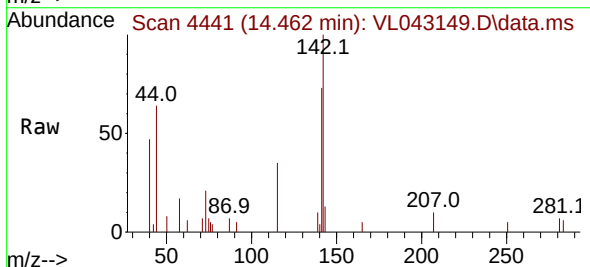
Manual Integrations
APPROVED

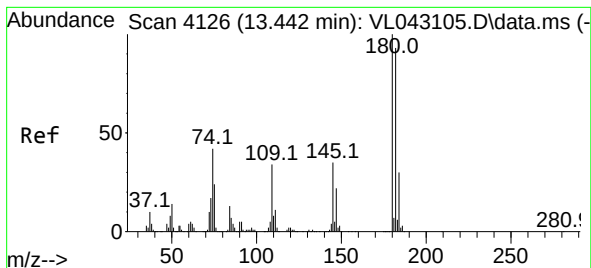
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#80
Naphthalene,2-methyl-
Concen: 0.146 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043149.D
Acq: 04 Nov 2025 11:23

Tgt Ion:142 Resp: 1964
Ion Ratio Lower Upper
142 100
141 65.4 64.6 97.0
115 34.2 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 0.328 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043149.D

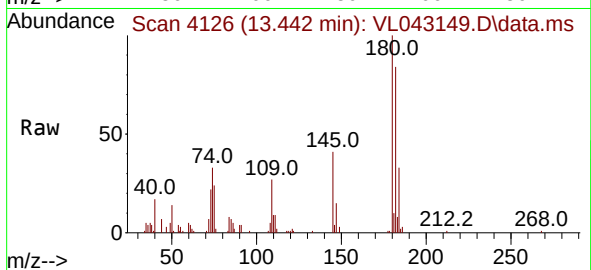
Acq: 04 Nov 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025



Tgt Ion:	180	Resp:	701
Ion Ratio	Lower	Upper	
180	100		
182	96.2	75.5	113.3
184	30.7	23.9	35.9

Manual Integrations

APPROVED

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

